



Pharmacy Information System (PhIS) and Clinic Pharmacy System (CPS)

Pharmacy Based User Manual Outpatient Pharmacy

Version : 12 th Edition Document ID : PB_U. MANUAL_OUTPATIENT PHARMACY
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Reference ID : PB_U. MANUAL_OP-12th E

Application reference: PhIS & CPS v2.5.1



Table of Contents

1.0	Introduction	1
1.1	Overview of PhIS	1
1.2	Purpose and Objectives	1
1.3	Organised Sections	1
2.0	Application Standard Features	2
2.1	PhIS Legend	2
3.0	Outpatient Pharmacy	4
	Overview	4
	User Group	4
	Functional Diagram	4
	Functional Description	5
3.1	Outpatient : Record Prescription	7
3.1.1	Search Registered Patient	7
3.1.2	New Patient Registration	10
3.1.3	Record Prescription	14
3.1.3.1	Tapering	21
3.1.3.2	Re-Order Rx	23
3.1.3.3	Re-Order Rx with Different Duration	25
3.1.3.4	Change	28
3.1.3.5	Stop	31
3.1.4	Manage Prescription	33
3.2	Verification	41
3.2.1	Hold and Resume Drug	44
3.2.2	Intervention	49
3.2.3	Alternate Drug	53
3.2.4	Alternate & Combination Drug	56
3.2.5	POMs Drug	58
3.3	Preparation	69
3.3.1	Allocate Quantity	74
3.3.2	Drug Label and Balance Medication Sheet(BMS)	76
3.3.3	Extemporaneous: By Pharmacist	80
3.3.4	Extemporaneous: By Patient	85
3.4	Dispensing	91
3.4.1	Next Collection Record for Partial Supply	100
3.4.2	Hold and Resume	102
3.5	Partially Supply Record	107
3.5.1	Acknowledgement	107
3.5.2	Screening and Verification	113
3.6	SPUB	116
3.6.1	SPUB Out	116
3.6.1.1	Before Dispensing	116
3.6.1.2	After Dispensing	122
3.6.2	SPUB In	127
3.6.2.1	SPUB In Online	127
3.6.2.2	SPUB In Offline	132
3.7	Release / Discard Batch	140
3.7.1	Before Patient Called	140
3.7.2	After Patient Called	143



3.7.3	Release/Discard Batch (Menu).....	145
3.8	Medication Return.....	148
3.9	Re-Dispensing.....	155
4.0	Acronyms.....	160
5.0	Links to Clinical Modules.....	160

1.0 Introduction

1.1 Overview of PhIS

Pharmacy Information System or better known as PhIS is a complete and comprehensive system that integrates pharmacy related services that geared toward pharmacy excellence. This implementation would transform most of the current manual process to electronic system would benefit facility end user in the health care sector.

There are 12 modules to assist service delivery by the health care sector which comprises of:

1. Order Management
2. Inpatient Pharmacy
3. Outpatient Pharmacy
4. Medication Counselling
5. Ward Pharmacy
6. Pharmacy Inventory
7. Manufacturing of Cytotoxic Drug Reconstitution (CDR), Parenteral Nutrition (PN), IV Admixture & Eye Drop, Radiopharmaceuticals and Extemporaneous
8. Adverse Drug Reaction & Drug Allergic Card (ADR & DAC)
9. Clinical Pharmacokinetics Services (TDM)
10. Drug Information & Consumer Education (DICE)
11. Medication Therapy Adherence Clinic (MTAC)
12. Data Mining (PhARM)

1.2 Purpose and Objectives

This user manual outlines the Outpatient - Record Prescription module and its key features and functionalities. The primary objective is to guide users through the process of completing PhIS application process.

User will understand the following activities in details:

- Record Prescription
- Dispensing Process

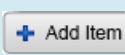
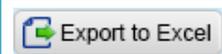
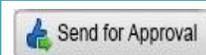
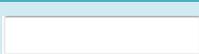
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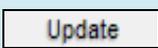
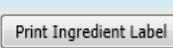
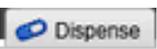
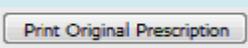
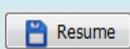
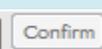
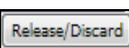
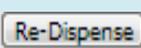
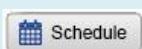
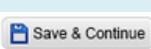
These are the sections within this document:

- Section 1 : Introduction
- Section 2 : Application Standard Features
- Section 3 : Outpatient Pharmacy
- Section 4 : Acronyms

2.0 Application Standard Features

2.1 PhIS Legend

Standard Legend			
	Login to PhIS		Logout from PhIS
	Reset Login Screen		Expand Menu
	Display Home Tab		Expand Module
	Close All Open Tabs		Refresh Screen
	Add/Create New Record		Show Help
*	Mandatory Field		Calendar Icon
	Close Window		Radio Button
	Edit Record		Cancel
	Save		Add Item to the list
	Export and Open Report in Excel Format		Automatically Display/Retrieve Box
	Request for Approval		Cancel the Request
	Send for Approval		Approve Transaction
	Change Login Password		Collapse Menu
	Collapse Module		Search Record
	Print		Search Icon
<input type="checkbox"/>	Checkbox		Delete Record
	Delete Item from the list		Empty Text Box
	Dropdown Box		Reject Transaction

Outpatient Pharmacy Module Legend			
	Update Patient's Height and Weight		Print Ingredient Label
	Acknowledge Prescription		Dispense
	Preparation		Print Original Prescription
	Edit Label		Verification
	Resume		Confirm
	Hold		Release/Discard
	Print		Re-Dispense
	Calendar		Delete
	Schedule		Save and Continue
	Add/Update Drug		Intervention
	Resume		

Note

- To learn more about Login Information, kindly click [Login Information](#) module for descriptive steps.

3.0 Outpatient Pharmacy

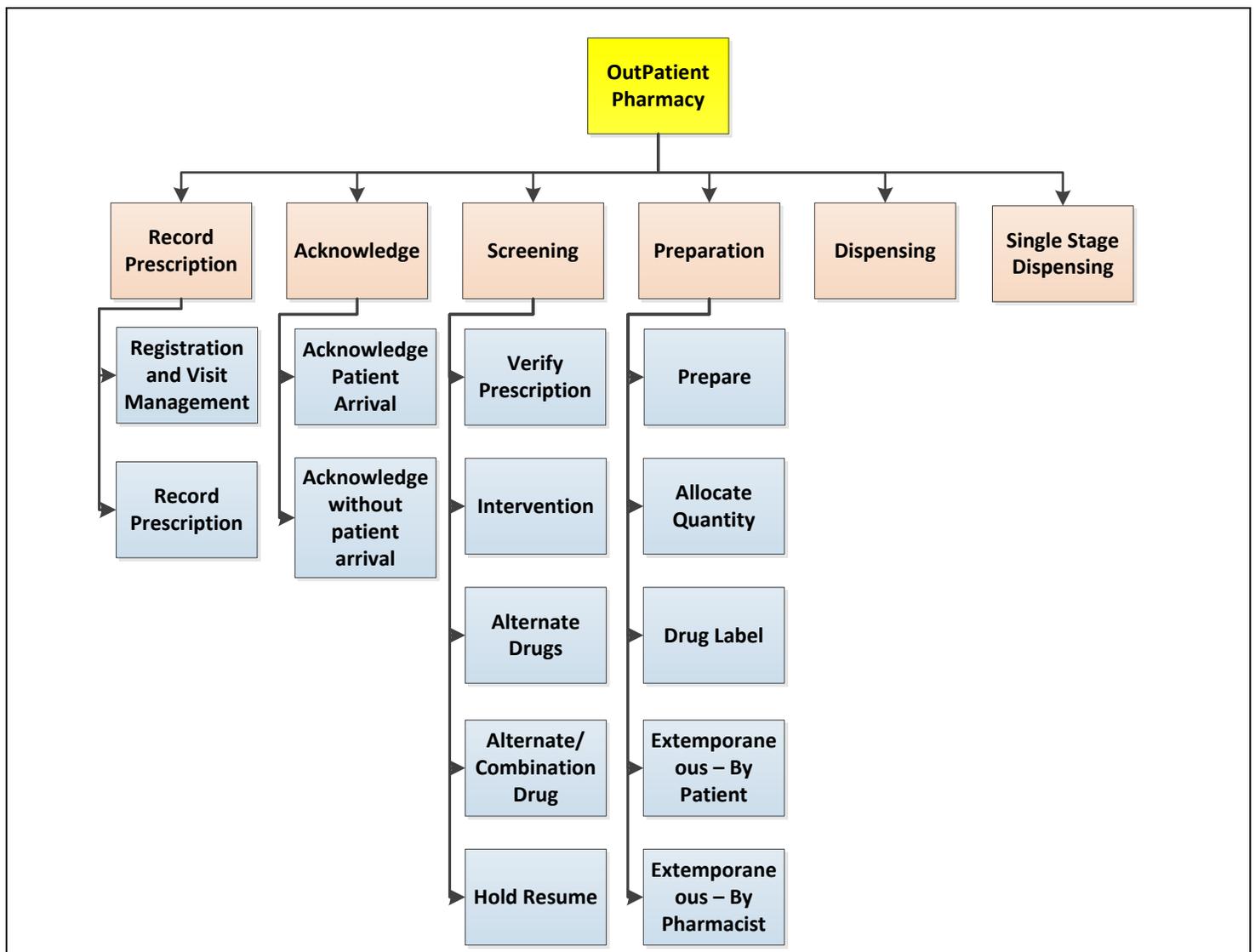
Overview

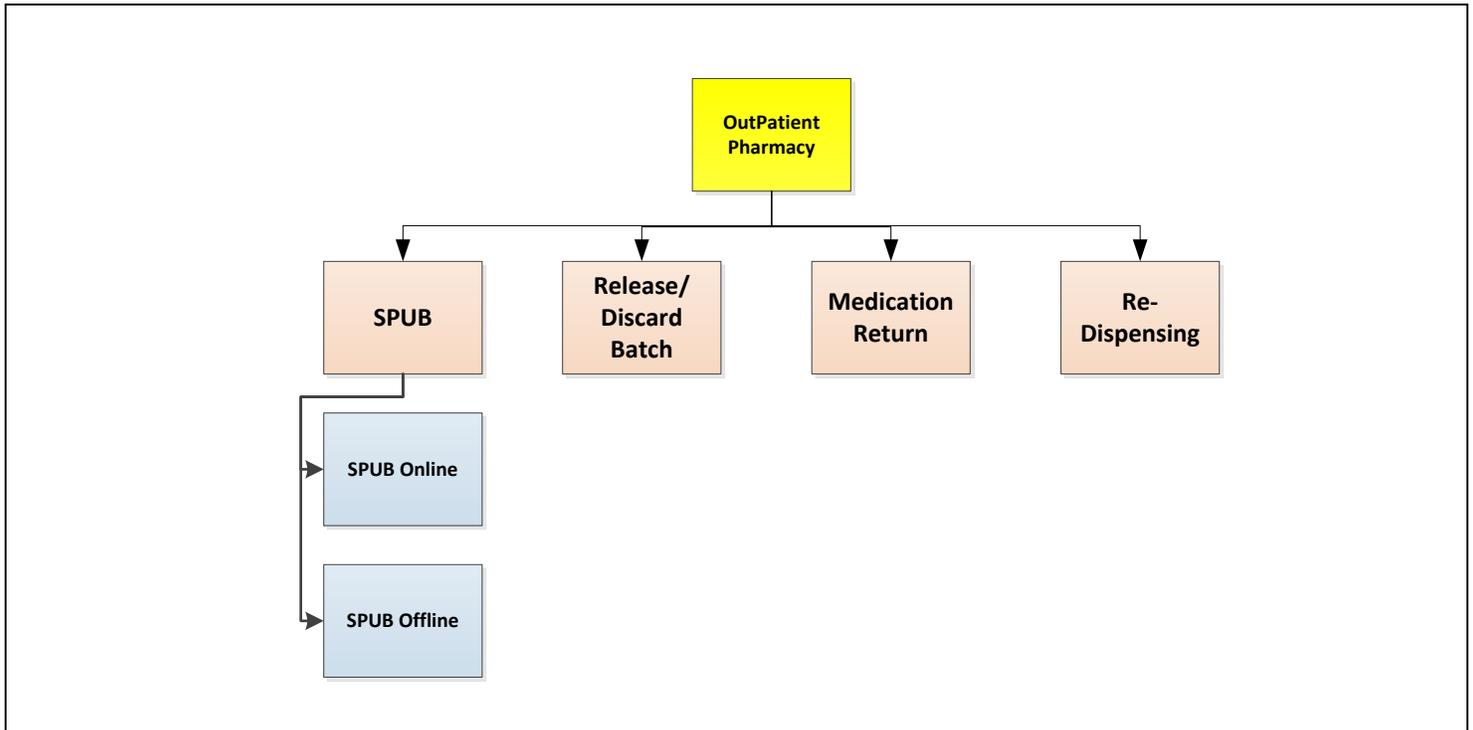
The Outpatient Pharmacy module include implementing safe, organized, and efficient drug-dispensing systems is essential for controlling costs and assuring that the medical prescription is safely followed as requested within the appropriate deadline. An appropriate dispensing system is an important ally for the prevention or reduction of medication errors by helping to minimize dispensing error opportunities in a pharmacy. At present there are various types of dispensing systems for medical prescriptions within a hospital.

User Group

This Module is intended for pharmacist and assistant pharmacist (subject to the user assigned by the facility)

Functional Diagram





Functional Description

- **Record Prescription**
Record prescription function is used to transfer manual prescription to online prescription. All prescriptions are required to be key in into system in order to proceed with dispensing process such as patient demographic and order details. Record prescription is combination of 2 process which is ordering and dispensing which consist of ordering, acknowledgement, verification, preparation and dispensing in single workflow.
- **Acknowledgement**
Acknowledgement function will be used as an acknowledgement process for prescription during patient arrival or without patient arrival at Outpatient pharmacy. Prescription must go through the acknowledgement process in order to dispense the medication. With this functionality, user able to manage the dispensing process with more efficient and effective.
- **Screening and Verification**
Screening and verification function is for user to do the checking and verification on the record prescription ordered from prescriber. In this screen, system provide some sub-functions like intervention, hold/resume and allocate drug batch. Some information related to the patient as drug interaction (MIMS), patient allergy, lab result, drug info details also provided to minimize medication error during verification process.
- **Preparation**
The preparation function allow user to allocate drug quantity and batch to be dispense based on the transcribed prescription. This function is integrated with inventory system where the stock will be auto deduct after dispensing process. Drug label can be generating and print based on the prepared drugs. Some of the sub-function is available in this screen like alternate, hold/resume and drug interaction (MIMS) is provided to help user with more effectively and efficiency during preparation process for patient safety purpose.

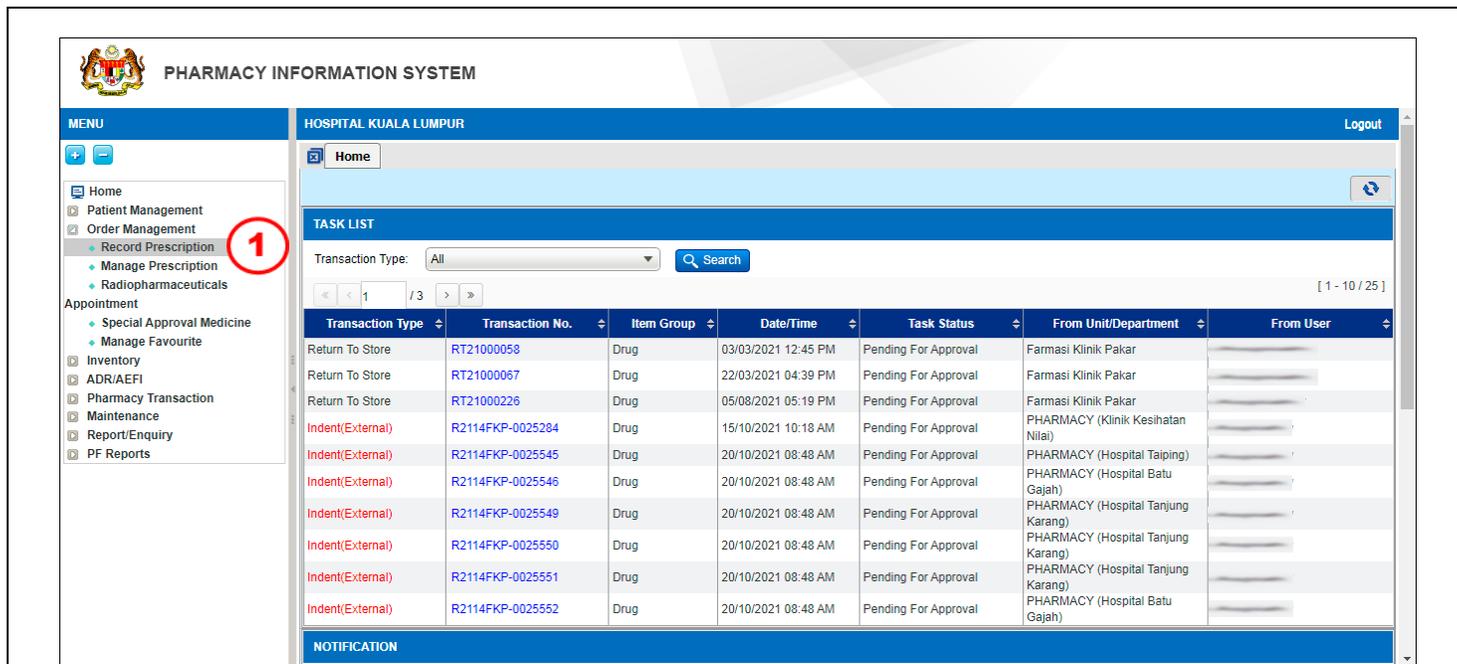


- **Dispensing**
Dispensing functions is to record and save all the dispensed medication detail information. This function is the mandatory steps to complete the dispense medication process. At this screen, information related with the patient, prescription and prepared drug is provided.
- **SPUB**
SPUB is to transfer partial medication order from current facilities to referring facilities. SPUB R1 form will contain the patient's information and prescription to be dispensed at referring hospital.
- **Release Batch**
Release batch function will be used when user decide to un-packed the reserved/prepared drugs. All the release drugs such as tablets, capsule and other than liquid will be returned back to stock.
- **Medication Return**
Medication return is the function where user able to record the returned medication from the patient or units into the system. With this functionality user able to track the transaction record and able to manage the stock in proper way.
- **Medication Re-Dispense**
Allow the user to re-issue medication to the patient due to spilled, broken or lost. Only authorized users will be able to access this process.

3.1 Outpatient : Record Prescription

3.1.1 Search Registered Patient

To view an existing patient record, please perform the steps below.



PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Logout

Home

TASK LIST

Transaction Type: All Search

[1 - 10 / 25]

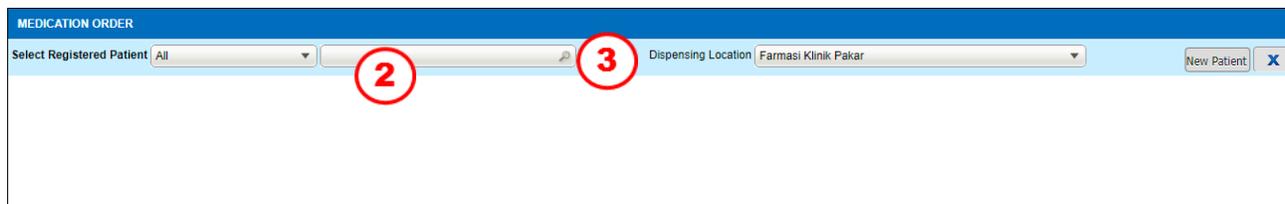
Transaction Type	Transaction No.	Item Group	Date/Time	Task Status	From Unit/Department	From User
Return To Store	RT21000058	Drug	03/03/2021 12:45 PM	Pending For Approval	Farmasi Klinik Pakar	
Return To Store	RT21000067	Drug	22/03/2021 04:39 PM	Pending For Approval	Farmasi Klinik Pakar	
Return To Store	RT21000226	Drug	05/08/2021 05:19 PM	Pending For Approval	Farmasi Klinik Pakar	
Indent(External)	R2114FKP-0025284	Drug	15/10/2021 10:18 AM	Pending For Approval	PHARMACY (Klinik Kesihatan Nila)	
Indent(External)	R2114FKP-0025545	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Taiping)	
Indent(External)	R2114FKP-0025546	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Batu Gajah)	
Indent(External)	R2114FKP-0025549	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025550	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025551	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025552	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Batu Gajah)	

NOTIFICATION

Figure 3.1.1-1 PhIS Home Page

STEP 1

Click on 'Order Management' menu followed by 'Record Prescription' and screen will be displayed as per Figure 3.1.1-1



MEDICATION ORDER

Select Registered Patient: All

Dispensing Location: Farmasi Klinik Pakar

New Patient X

Figure 3.1.1-2 Medication Order

Note

User able to search select Registered Patient:

- All
- Patient ID Number
- Patient Name
- Patient MRN

STEP 2

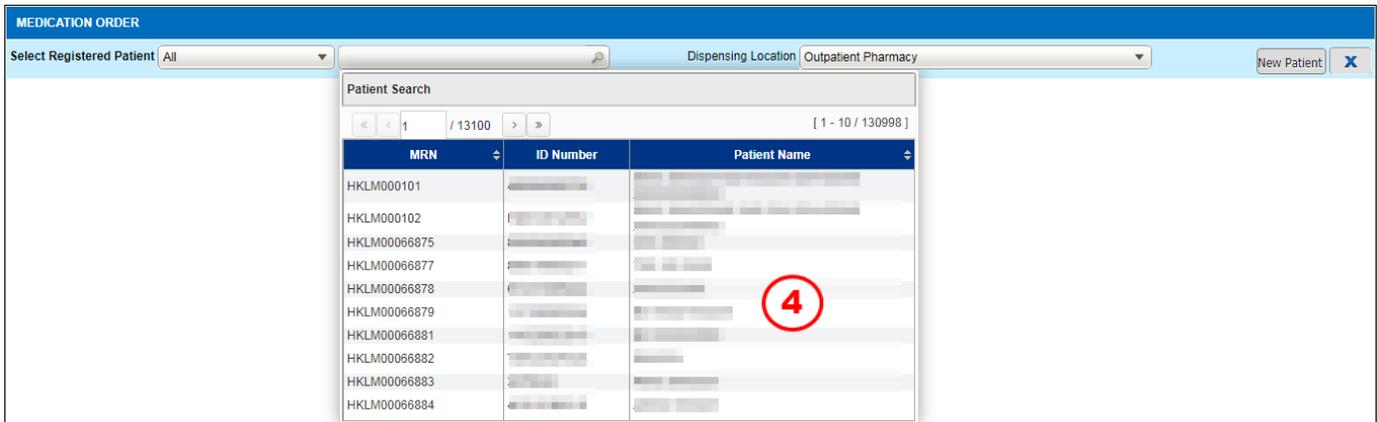
Enter registered patient name

STEP 3

Click on the  button to search for a registered patient

Note

- If the patient is not registered, click on the **New Patient** button and the Patient Registration screen will be displayed.



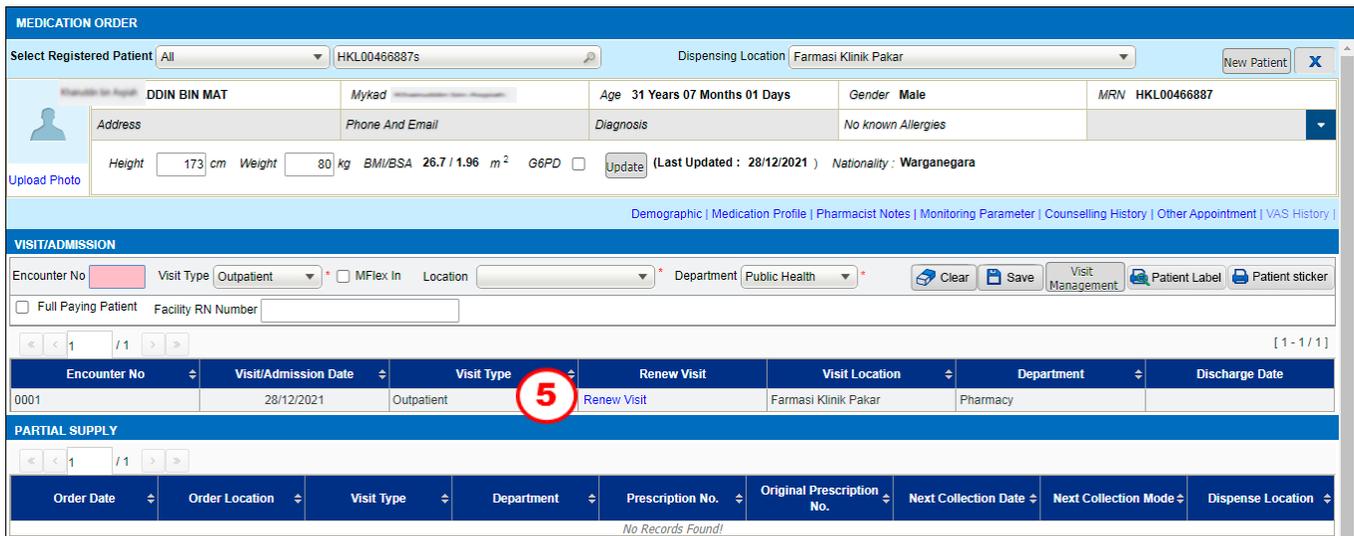
The screenshot shows the 'MEDICATION ORDER' window with 'Select Registered Patient' set to 'All' and 'Dispensing Location' set to 'Outpatient Pharmacy'. A 'Patient Search' table is displayed with the following data:

MRN	ID Number	Patient Name
HKLM000101		
HKLM000102		
HKLM00066875		
HKLM00066877		
HKLM00066878		
HKLM00066879		
HKLM00066881		
HKLM00066882		
HKLM00066883		
HKLM00066884		

Figure 3.1.1-3 Search Patient

STEP 4

Double-click on the selected patient and the details will be displayed as per Figure 3.1.1-4



The screenshot shows the 'MEDICATION ORDER' window for patient 'DDIN BIN MAT' (MRN: HKL00466887) at 'Farmasi Klinik Pakar'. The 'VISIT/ADMISSION' section shows a table with the following data:

Encounter No	Visit/Admission Date	Visit Type	Renew Visit	Visit Location	Department	Discharge Date
0001	28/12/2021	Outpatient	Renew Visit	Farmasi Klinik Pakar	Pharmacy	

Figure 3.1.1-4 Medication Order Screen

Note

- Click on the 'Renew Visit' hyperlink to renew a visit for the same location.
- Select the 'Visit Type' and 'Location' to create a new visit.
- Click on the **Visit Management** button to assess 'Visit Management' Screen.

STEP 5

Double-click on the selected visit and the details will be displayed as per Figure 3.1.1-5

MEDICATION ORDER

Select Registered Patient: All | HKL00466887 | Dispensing Location: Farmasi Klinik Pakar | New Patient X

MyKad: DIN BIN MAT	MyKad: Mykad	Age: 31 Years 07 Months 01 Days	Gender: Male	MRN: HKL00466887
Address	Phone And Email	Diagnosis	No known Allergies	
Height: 173 cm Weight: 80 kg BMI/BSA: 26.7 / 1.96 m ² G6PD: <input type="checkbox"/> Update (Last Updated: 29/12/2021) Nationality: Warganegara				

Demographic | Medication Profile | Pharmacist Notes | Monitoring Parameter | Counselling History | Other Appointment | VAS History

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Inpatient | Location: Wad NW18B (Perubatan) | Department: General Medicin | Clear | Visit Management | Patient Label | Patient sticker

Facility RN Number: WD0221 | Bed No: | MFlex In:

VISIT RECORD

Queue Series: Normal | Queue No: | Discharge Medication: | Original Prescription Serial Number: | Clinic TCA: | View Order | Draft | Confirm

NORMAL ORDER - DRUG DETAILS

- Patient Diagnosis
- Allergy
- Adverse Drug Reaction
- Nutritional Assessment
- Normal Order
- Infusion Order
- Parenteral Nutrition
- Cytotoxic Drug

Original Prescriber Name	<input type="text"/>	<input type="button" value="Advanced Search"/>	
Drug	<input type="text"/>		
Dosage	<input type="text" value="0"/> <input type="text"/>	<input type="checkbox"/> Patient Own Medication	
Admin Route	<input type="text"/>	<input type="checkbox"/> Ward Stock	
Frequency	<input type="text"/> <input type="text" value="Dosage Schedule"/>	<input type="checkbox"/> Patient Require Counselling	

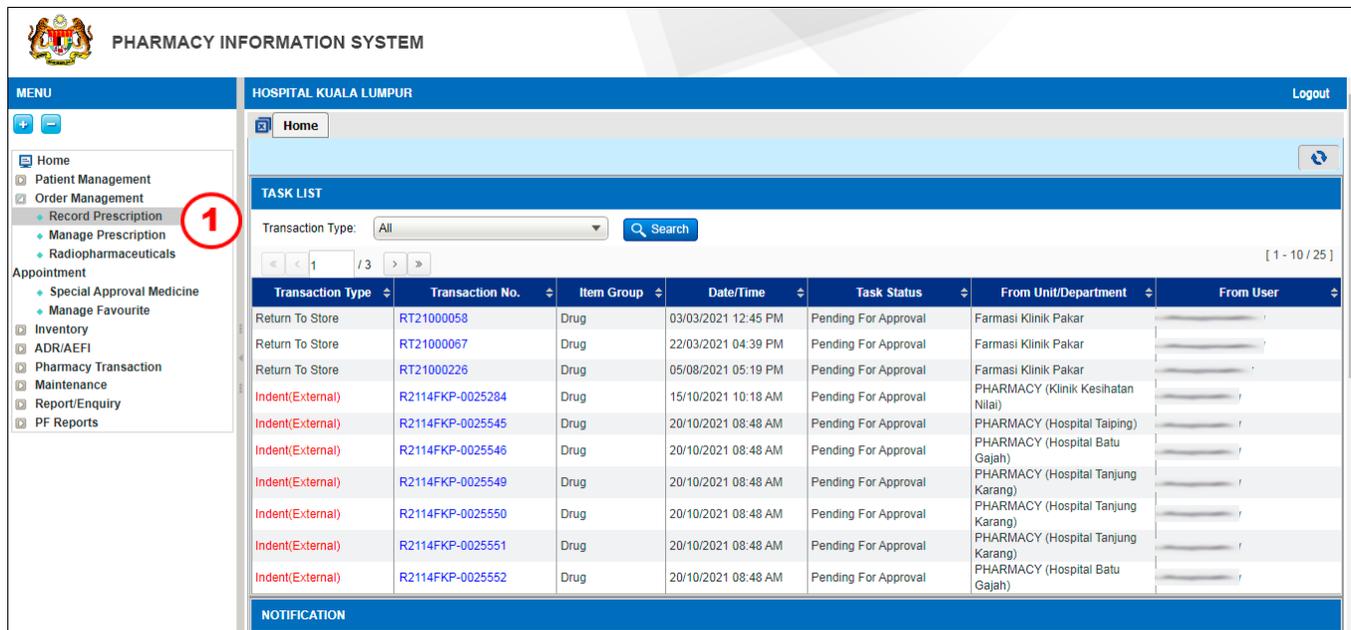
Total Price : RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info	
■					

Figure 3.1.1-5 Medication Order Detail

3.1.2 New Patient Registration

To register a new patient, please perform the steps below.



Transaction Type	Transaction No.	Item Group	Date/Time	Task Status	From Unit/Department	From User
Return To Store	RT21000058	Drug	03/03/2021 12:45 PM	Pending For Approval	Farmasi Klinik Pakar	
Return To Store	RT21000067	Drug	22/03/2021 04:39 PM	Pending For Approval	Farmasi Klinik Pakar	
Return To Store	RT21000226	Drug	05/08/2021 05:19 PM	Pending For Approval	Farmasi Klinik Pakar	
Indent(External)	R2114FKP-0025284	Drug	15/10/2021 10:18 AM	Pending For Approval	PHARMACY (Klinik Kesihatan Nilai)	
Indent(External)	R2114FKP-0025545	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Taiping)	
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Indent(External)	R2114FKP-0025549	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025550	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025551	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Tanjung Karang)	
Indent(External)	R2114FKP-0025552	Drug	20/10/2021 08:48 AM	Pending For Approval	PHARMACY (Hospital Batu Gajah)	

Figure 3.1.2-1 PhIS Home Page

STEP 1

Click on 'Order Management' menu followed by 'Record Prescription' and screen will be displayed as per Figure 3.1.2-1

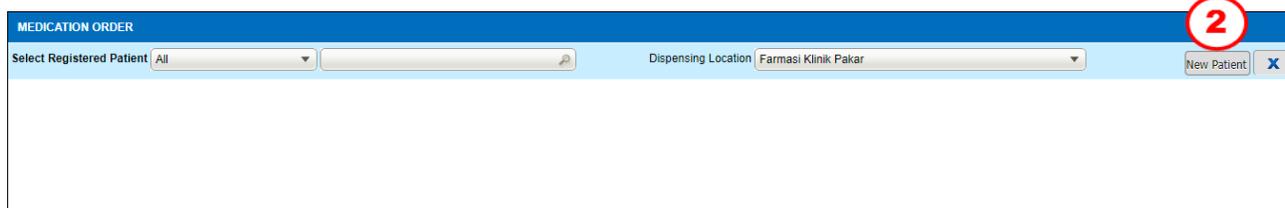
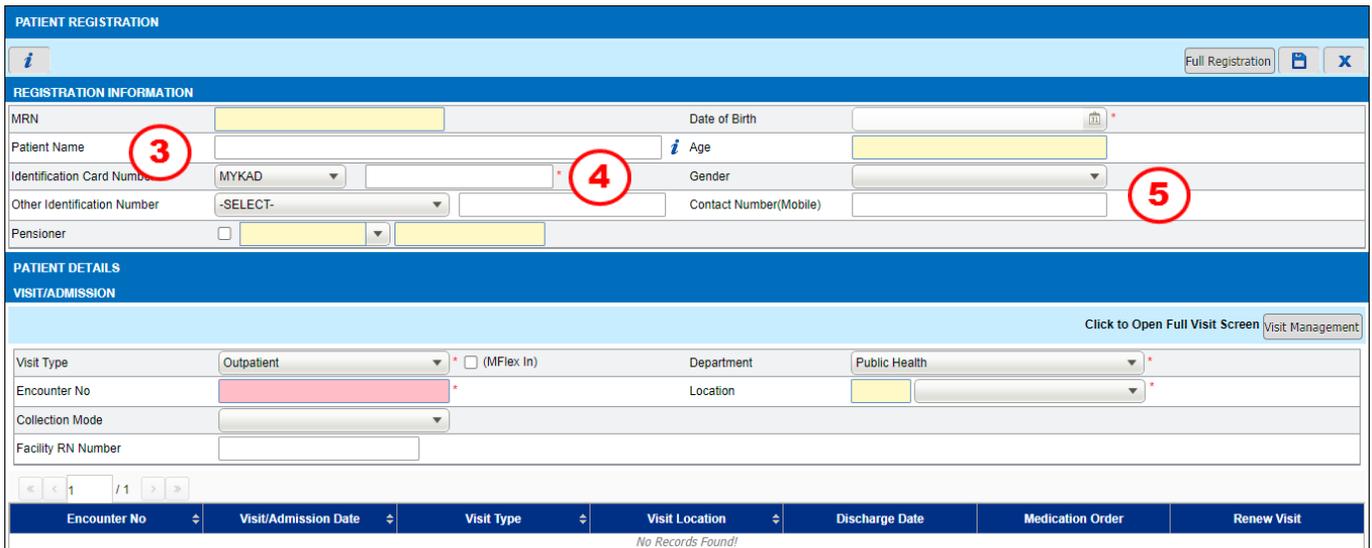


Figure 3.1.2-2 Transcribe Order Create New Patient

STEP 2

Click on the  to register for new patient



PATIENT REGISTRATION

REGISTRATION INFORMATION

MRN: [] Date of Birth: []

Patient Name: [3] Age: []

Identification Card Number: [4] MYKAD [] Gender: []

Other Identification Number: [-SELECT-] [] Contact Number(Mobile): [5]

Pensioner: []

PATIENT DETAILS

VISIT/ADMISSION

Click to Open Full Visit Screen Visit Management

Visit Type: [Outpatient] (MFlex In) Department: [Public Health]

Encounter No: [] Location: []

Collection Mode: []

Facility RN Number: []

< < 1 / 1 > >

Encounter No	Visit/Admission Date	Visit Type	Visit Location	Discharge Date	Medication Order	Renew Visit
No Records Found!						

Figure 3.1.2-3 Registration Information

STEP 3

Enter **Patient Name**

STEP 4

Select from **Identification Card Number** drop down box:

- MYKAD
- MYKID

and enter the relevant number

Note

- After enter the **Identification Card Number** the below details will be displayed:
 - Date of Birth (dd/mm/yy)
 - Age (42Y 05M 21D)
 - Gender (Male/Female)
- If MYKAD/MYKID is unavailable, user is required to select the **Other Identification Number** dropdown box:
 - BIRTH CERTIFICATE
 - DRIVING LICENSE
 - FATHER IC
 - MYKAS
 - MYPR
 - MILITARY CARD NUMBER
 - MOTHER IC
 - OLD IC
 - PASSPORT
 - PENSION CARD
 - POLICE CARD NUMBER
 - UNHCR
 - UNKNOWN PATIENT
 - WORK PERMIT

and enter the relevant number.

STEP 5

Enter **Contact Number (Mobile)**

PATIENT REGISTRATION																					
<input type="text"/>							Full Registration														
REGISTRATION INFORMATION																					
MRN	<input type="text"/>	Date of Birth	<input type="text"/>																		
Patient Name	<input type="text"/>	Age	<input type="text"/>																		
Identification Card Number	MYKAD <input type="text"/>	Gender	<input type="text"/>																		
Other Identification Number	-SELECT- <input type="text"/>	Contact Number(Mobile)	<input type="text"/>																		
Pensioner	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>																		
PATIENT DETAILS																					
VISIT/ADMISSION																					
							Click to Open Full Visit Screen														
Visit Type	Outpatient 6	<input type="checkbox"/> (MFlex In)	Department	Public Health 7																	
Encounter No	<input type="text"/>	Location		<input type="text"/>	<input type="text"/>	<input type="text"/>	8														
Collection Mode	<input type="text"/>																				
Facility RN Number	<input type="text"/>																				
<p><< 1 / 1 >></p> <table border="1"> <thead> <tr> <th>Encounter No</th> <th>Visit/Admission Date</th> <th>Visit Type</th> <th>Visit Location</th> <th>Discharge Date</th> <th>Medication Order</th> <th>Renew Visit</th> </tr> </thead> <tbody> <tr> <td colspan="7" style="text-align: center;">No Records Found!</td> </tr> </tbody> </table>								Encounter No	Visit/Admission Date	Visit Type	Visit Location	Discharge Date	Medication Order	Renew Visit	No Records Found!						
Encounter No	Visit/Admission Date	Visit Type	Visit Location	Discharge Date	Medication Order	Renew Visit															
No Records Found!																					

Figure 3.1.2-4 Visit/Admission

STEP 6

Select the **Visit Type** from dropdown box:

- Daycare
- Emergency
- Inpatient
- Outpatient
- Outsource
- PAC
- SPUB
- Walk-in

Note

- User able to use (MFlex In) checkbox. (MFlex In) is not necessary used to create new visit for Methadone patient but it's used to indicate that this patient as Methadone patient.
- User able to select collection mode as:
 - Appointment Card
 - Email and Take
 - Fax and Take
 - Normal Collection
 - Others
 - Comm. Apps in Smart Phone
 - Telephone And Take
 - UMP
 - Locker4U
 - Leave and Collect
 - Walk-in/Without Appointment

STEP 7

Select the **Department** from dropdown box:

Note

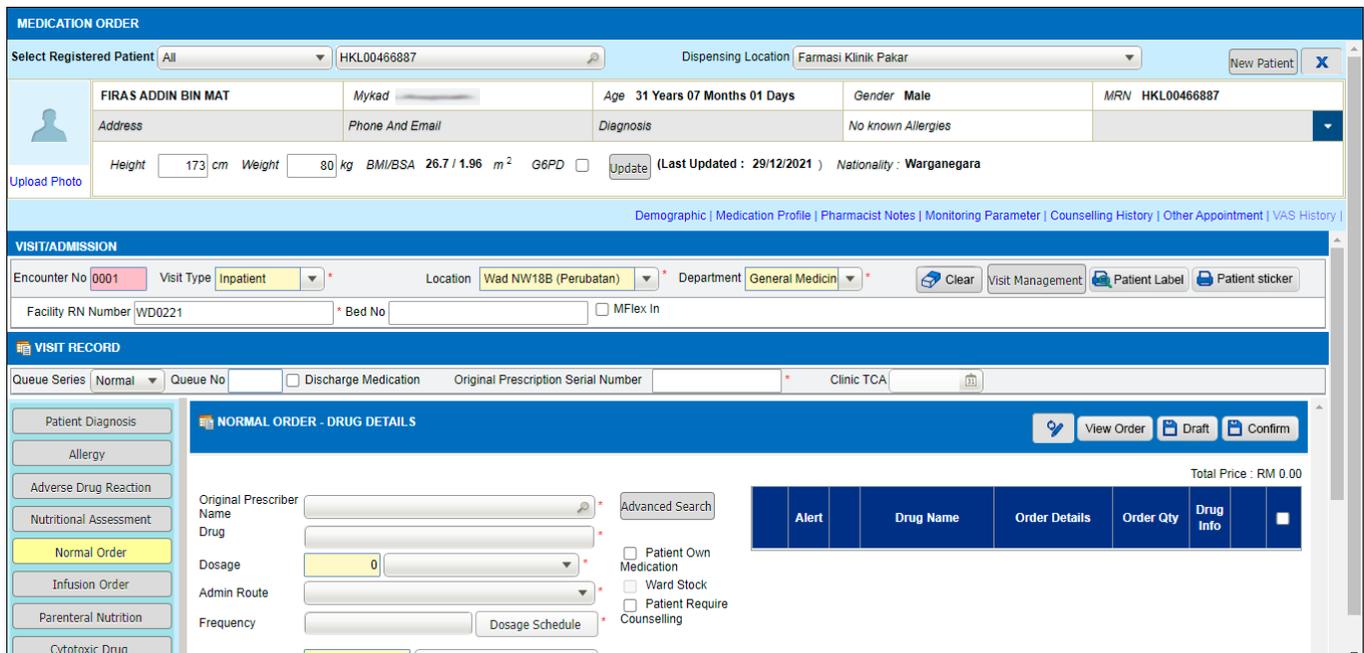
Department will tie to the selected visit type.

STEP 8

Select **Location** from dropdown box

Note

- **Location** will tie to the selected Department.
- User is allowed to choose Collection Mode from the dropdown menu
- If the patient is a Full Paying Patient, user is allowed to check on the **Full Paying Patient** checkbox
- Click on the  button to save the record and medication order screen will display as per Figure 3.1.2-5.
- After click the save button, system will automatically generate the **MRN (Medical Record Number)**
- Click on the **Full Registration** to assess 'Full Registration' Screen.
- Another option to register a new patient is to click on the **New Patient Registration** button located under Patient Quick Registration that will display the same screen as Figure 3.1.2-3.



The screenshot displays the 'MEDICATION ORDER' interface. At the top, it shows 'Select Registered Patient' with a dropdown menu set to 'All' and a search field containing 'HKL00466887'. The 'Dispensing Location' is set to 'Farmasi Klinik Pakar'. A 'New Patient' button is visible in the top right corner.

The patient information section includes:

- Name: FIRAS ADDIN BIN MAT
- Mykad: [Redacted]
- Age: 31 Years 07 Months 01 Days
- Gender: Male
- MRN: HKL00466887
- Address: [Redacted]
- Phone And Email: [Redacted]
- Diagnosis: [Redacted]
- No known Allergies
- Height: 173 cm, Weight: 80 kg, BMI/BSA: 26.7 / 1.96 m², G6PD:
- Nationality: Warganegara

The 'VISIT/ADMISSION' section shows:

- Encounter No: 0001
- Visit Type: Inpatient
- Location: Wad NW18B (Perubatan)
- Department: General Medicin
- Buttons: Clear, Visit Management, Patient Label, Patient sticker
- Facility RN Number: WID0221
- Bed No: [Redacted]
- MFlex In:

The 'VISIT RECORD' section includes:

- Queue Series: Normal
- Queue No: [Redacted]
- Discharge Medication:
- Original Prescription Serial Number: [Redacted]
- Clinic TCA: [Redacted]

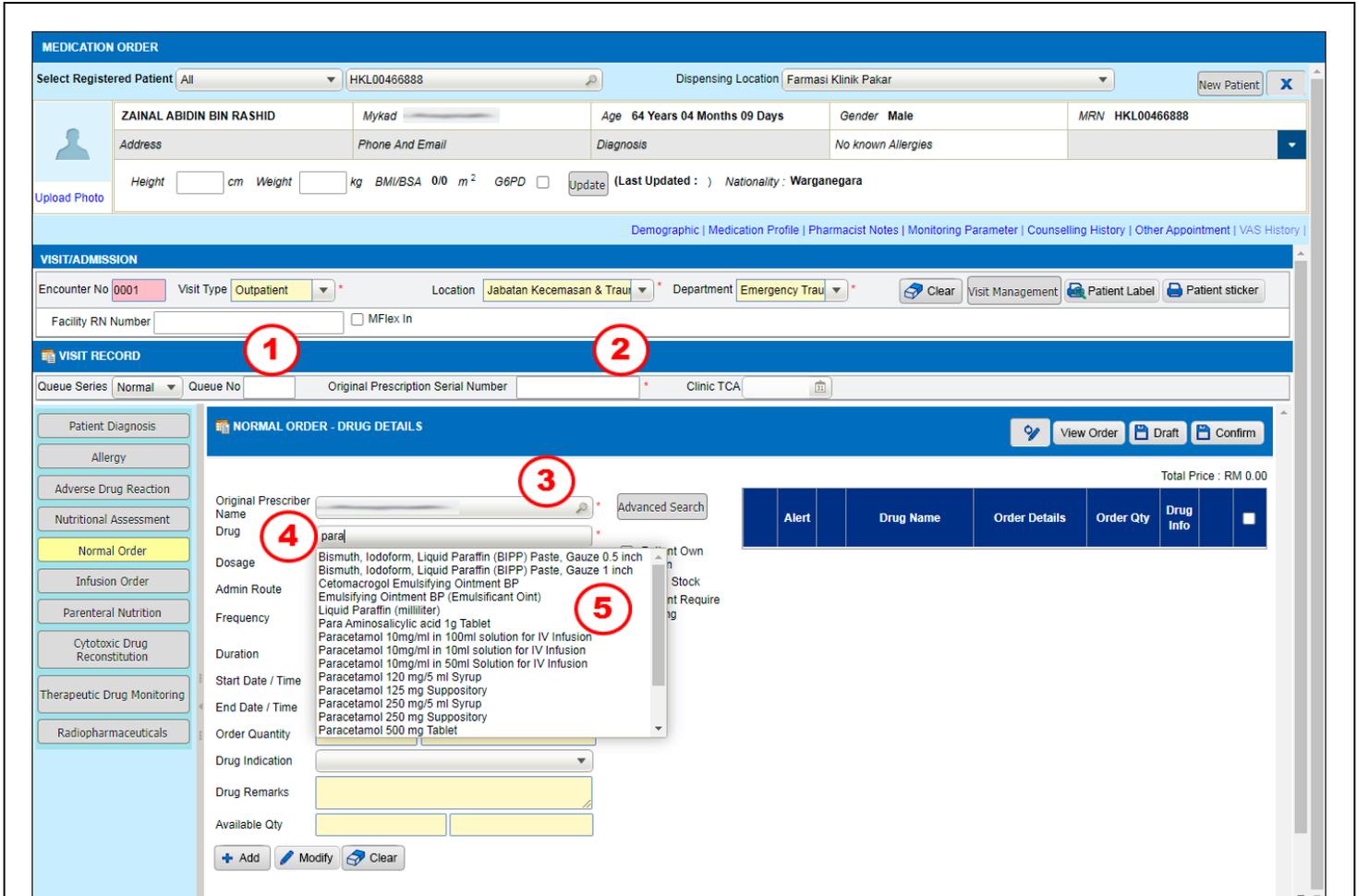
The 'NORMAL ORDER - DRUG DETAILS' section features:

- Buttons: View Order, Draft, Confirm
- Total Price: RM 0.00
- Table with columns: Alert, Drug Name, Order Details, Order Qty, Drug Info
- Form fields for: Original Prescriber Name, Drug, Dosage (0), Admin Route, Frequency, Dosage Schedule
- Checkboxes: Patient Own Medication, Ward Stock, Patient Require Counselling

Figure 3.1.2-5 Medication Order

3.1.3 Record Prescription

To record patient prescription, please perform the steps below.



The screenshot shows the 'MEDICATION ORDER' interface. At the top, there's a patient selection dropdown (1) and a dispensing location dropdown. Below that is patient information for ZAINAL ABIDIN BIN RASHID. The 'VISIT/ADMISSION' section shows encounter number 0001, visit type 'Outpatient', and location 'Jabatan Kecemasan & Trauma'. The 'VISIT RECORD' section shows 'Normal' queue series. The 'NORMAL ORDER - DRUG DETAILS' section is active, showing a list of drugs. Red circles 1-5 indicate the steps: 1. Queue No, 2. Original Prescription Serial Number, 3. Original Prescriber Name, 4. Drug search field, and 5. Drug selection dropdown.

Figure 3.1.3-1 Normal Order Detail Screen

STEP 1

Enter **Queue No**

STEP 2

Enter **Original Prescription Serial Number**

STEP 3

Search the **Original Prescriber Name** by enter keyword

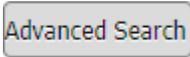
STEP 4

Search **Drug** by enter keyword of the drug name

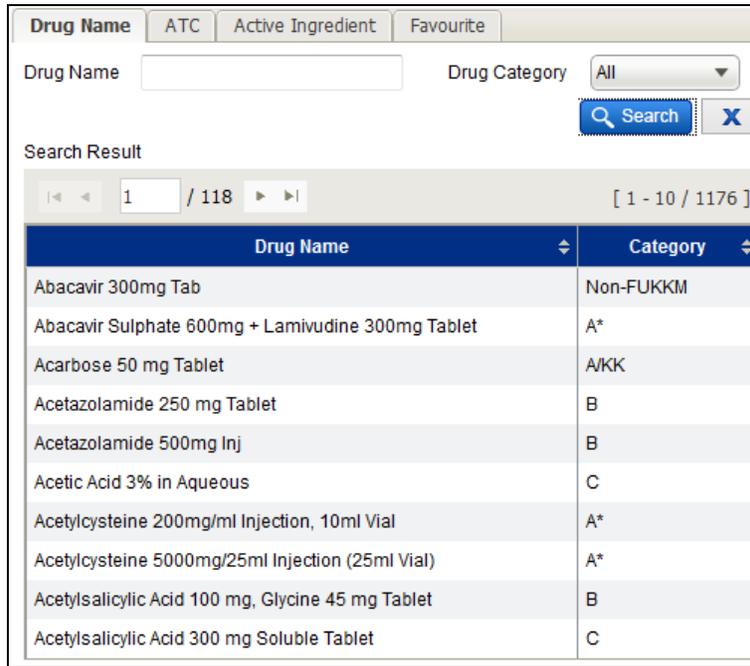
STEP 5

Click on the selected drug from displayed list

Note

- There is an option for user to search drugs by click on the  button.

- The **Advanced Search** screen displays information as below:
 - Drug Name
 - ATC
 - Active Ingredient
 - Favourite



The screenshot shows a search interface with tabs for 'Drug Name', 'ATC', 'Active Ingredient', and 'Favourite'. The 'Drug Name' tab is selected. There is a text input field for 'Drug Name' and a dropdown menu for 'Drug Category' set to 'All'. A 'Search' button and a close 'X' button are present. Below the search fields, the 'Search Result' section shows a table with 1176 results, displaying the first 10. The table has columns for 'Drug Name' and 'Category'.

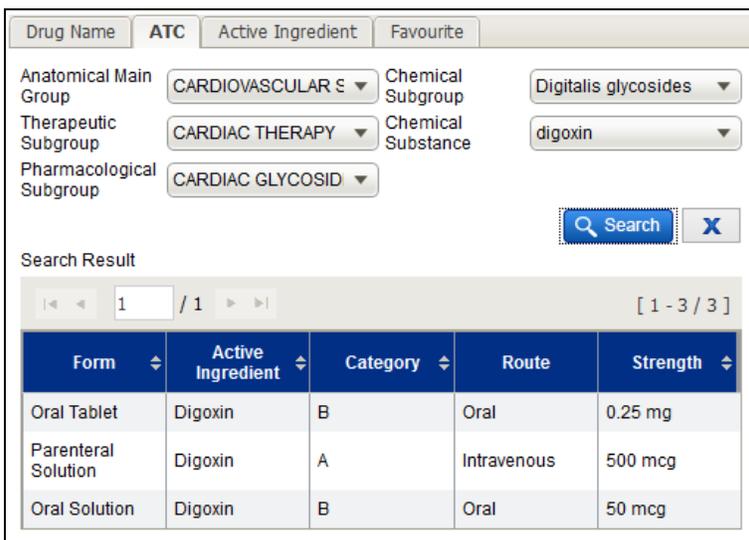
Drug Name	Category
Abacavir 300mg Tab	Non-FUKKM
Abacavir Sulphate 600mg + Lamivudine 300mg Tablet	A*
Acarbose 50 mg Tablet	A/KK
Acetazolamide 250 mg Tablet	B
Acetazolamide 500mg Inj	B
Acetic Acid 3% in Aqueous	C
Acetylcysteine 200mg/ml Injection, 10ml Vial	A*
Acetylcysteine 5000mg/25ml Injection (25ml Vial)	A*
Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet	B
Acetylsalicylic Acid 300 mg Soluble Tablet	C

Figure 3.1.3-2 Advance Search : Drug Name

Note

a) Search by **DrugName tab**

- Enter Drug name
- Select and enter Drug Category from drop down box
 - A
 - A*
 - A/KK
 - B
 - C
 - C+
 - Non-FUKKM
- Search results be displayed after clicking on **Search** button. Click on the selected drug to continue prescribing.



Drug Name | ATC | Active Ingredient | Favourite

Anatomical Main Group: CARDIOVASCULAR S | Chemical Subgroup: Digitalis glycosides

Therapeutic Subgroup: CARDIAC THERAPY | Chemical Substance: digoxin

Pharmacological Subgroup: CARDIAC GLYCOSID

Search [Search] X

Search Result

1 / 1 [1 - 3 / 3]

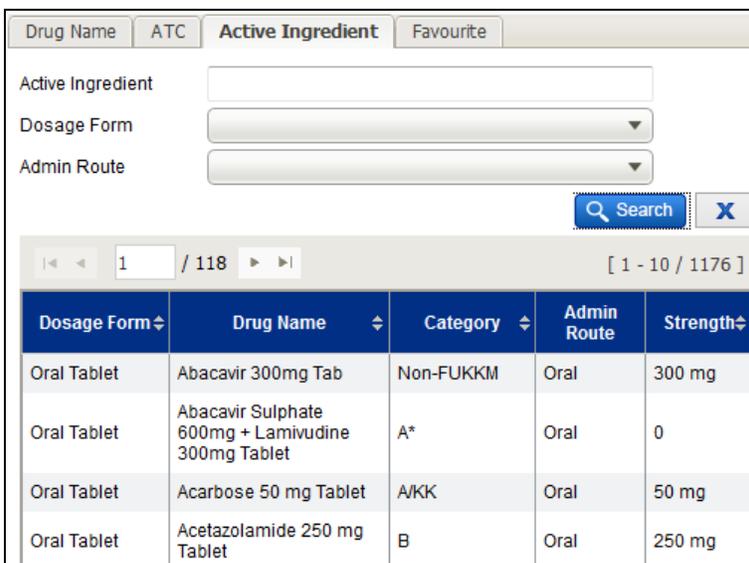
Form	Active Ingredient	Category	Route	Strength
Oral Tablet	Digoxin	B	Oral	0.25 mg
Parenteral Solution	Digoxin	A	Intravenous	500 mcg
Oral Solution	Digoxin	B	Oral	50 mcg

Figure 3.1.3-3 Advance Search : ATC

Note

b) Search by **ATC** tab

- Select and enter the ATC group/subgroup from dropdown box from level from 1 to 5
 - Anatomical Main Group
 - Therapeutic Subgroup
 - Pharmacological Subgroup
 - Chemical Subgroup
 - Chemical Substance
- Search results will be displayed after clicking on **Search** button. Click on the selected drug to continue prescribing.



Drug Name | ATC | Active Ingredient | Favourite

Active Ingredient: []

Dosage Form: []

Admin Route: []

Search [Search] X

1 / 118 [1 - 10 / 1176]

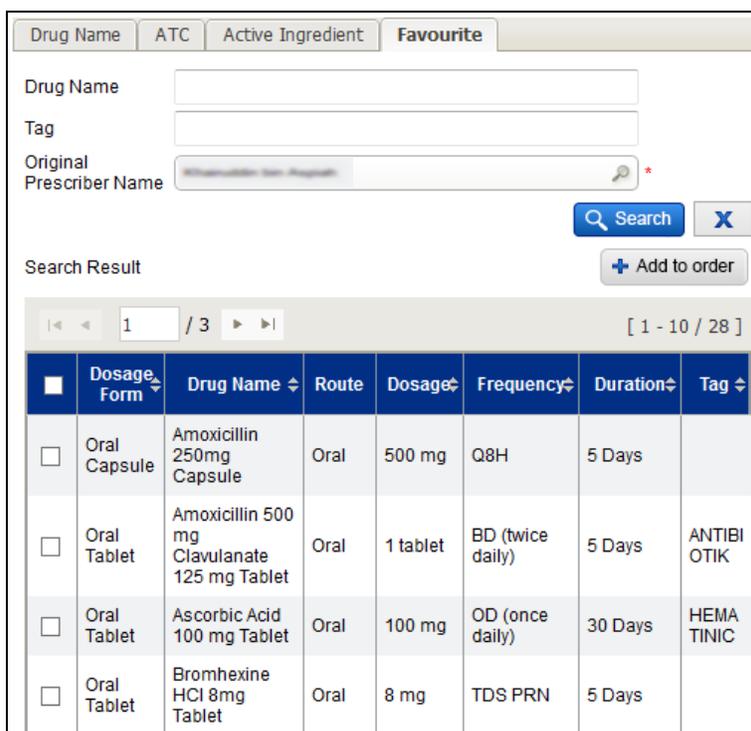
Dosage Form	Drug Name	Category	Admin Route	Strength
Oral Tablet	Abacavir 300mg Tab	Non-FUKKM	Oral	300 mg
Oral Tablet	Abacavir Sulphate 600mg + Lamivudine 300mg Tablet	A*	Oral	0
Oral Tablet	Acarbose 50 mg Tablet	A/KK	Oral	50 mg
Oral Tablet	Acetazolamide 250 mg Tablet	B	Oral	250 mg

Figure 3.1.3-4 Advance Search: Active Ingredient

Note

c) Search by **Active Ingredient** tab

- Select and enter:
 - Active Ingredient
 - Dosage Form from dropdown box
 - Admin Route from dropdown box
- Search results will be displayed after clicking on the  button. Double click on the selected drug to continue prescribing



	Dosage Form	Drug Name	Route	Dosage	Frequency	Duration	Tag
<input type="checkbox"/>	Oral Capsule	Amoxicillin 250mg Capsule	Oral	500 mg	Q8H	5 Days	
<input type="checkbox"/>	Oral Tablet	Amoxicillin 500 mg Clavulanate 125 mg Tablet	Oral	1 tablet	BD (twice daily)	5 Days	ANTIBIOTIK
<input type="checkbox"/>	Oral Tablet	Ascorbic Acid 100 mg Tablet	Oral	100 mg	OD (once daily)	30 Days	HEMATINIC
<input type="checkbox"/>	Oral Tablet	Bromhexine HCl 8mg Tablet	Oral	8 mg	TDS PRN	5 Days	

Figure 3.1.3-5 Advance Search : Favourite

Note

d) Search by **Favourite** tab

- Search the favourite drug by entering the drug name.
- Search results will be displayed after clicking on the  button.
- Click on the selected drug to continue prescribing.
- Select the check box and click  button to remove from the Favourite list.
- This favourite list is derived from the prescriber's own favourite list.

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient X

ZAINAL ABIDIN BIN RASHID | Mykad: [Redacted] | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: [Redacted]

Address: [Redacted] | Phone And Email: [Redacted] | Diagnosis: [Redacted] | No known Allergies

Height: [] cm | Weight: [] kg | BMI/BSA: 0/0 m² | G6PD: | Update (Last Updated:) | Nationality: Warganegara

Demographic | Medication Profile | Pharmacist Notes | Monitoring Parameter | Counselling History | Other Appointment | VAS History

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker

Facility RN Number: [] | MFlex In:

VISIT RECORD

Queue Series: Normal | Queue No: 2 | Original Prescription Serial Number: 10311 | Clinic TCA: []

NORMAL ORDER - DRUG DETAILS

Total Price : RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info
■				

Original Prescriber Name: Dr Mu'iz Bin Mohd Hazizan | Advanced Search

Drug: []

Dosage: 1000 mg

Admin Route: Oral

Frequency: QID PRN | Dosage Schedule: []

Duration: [] Days 6

Start Date / Time: 30/12/2021 12:01 PM

End Date / Time: 30/12/2021 12:01 PM

Order Quantity: 0 tablet

Drug Indication: Analgesia and Fever

Drug Remarks: []

Available Qty: 41765 | C+

+ Add | Modify | Clear

Figure 3.1.3-6 Medication Order

STEP 6

Enter **Duration** and select days/months or weeks from drop down menu

Note

- **Order Quantity** will be automatically displayed and editable.
- **Start Date/Time** will be defaulted to current date.
- **End Date/Time** will be calculated based on the Duration.
- **Counseling Indication** check box can be selected if prescriber wants pharmacist to counsel the patient on the medicine.
- Check the **Own Medication** checkbox if patient brought and used their own medication. Only applicable for inpatient and where pharmacist do not supply medication to the wards.
- Enter **Drug Remark** if applicable

STEP 7

Click the  button to add the drug

PB_U.MANUAL_OP-12th E

Page 18

Note

To add another drug to prescription, repeat Step 4 to Step 7

STEP 8

Enter the **Clinic TCA** (optional)

MEDICATION ORDER

	ZAINAL ABIDIN BIN RASHID	Mykad <small>XXXXXXXXXX-XX-XXXXXX</small>	Age 64 Years 04 Months 09 Days	Gender Male	M/RN HKL00466888
	Address	Phone And Email	Diagnosis	No known Allergies	
Upload Photo	Height <input type="text"/> cm Weight <input type="text"/> kg BMI/BSA 0/0 m ² G6PD <input type="checkbox"/> <input type="button" value="Update"/> (Last Updated :) Nationality : Warganegara				

[Demographic](#) | [Medication Profile](#) | [Pharmacist Notes](#) | [Monitoring Parameter](#) | [Counselling History](#) | [Other Appointment](#) | [VAS History](#)

VISIT/ADMISSION

Encounter No 0001	Visit Type Outpatient	Location Jabatan Kecemasan & Trau	Department Emergency Trau	<input type="button" value="Clear"/>	<input type="button" value="Visit Management"/>	<input type="button" value="Patient Label"/>	<input type="button" value="Patient sticker"/>
Facility RN Number <input type="text"/>		<input type="checkbox"/> MFlex In					

VISIT RECORD

Queue Series Normal	Queue No 2	Original Prescription Serial Number 10311	Clinic TCA <input type="text"/>	9
---------------------	------------	---	---------------------------------	----------

NORMAL ORDER - DRUG DETAILS

Alert	Drug Name	Order Details	Order Qty	Drug Info	
⚠	1. Paracetamol 500 mg Tablet	1000 mg, QID PRN, Oral Tablet, Oral, 30/12/2021 (2 Days)	20 tablet (RM 2.00)		
⚠	2. Bisoprolol Fumarate 5 mg Tablet	5 mg, OD (once daily), Oral Tablet, Oral, 30/12/2021 (2 Days)	2 tablet (RM 0.30)		
⚠	3. Metformin HCl 500 mg Tablet	1000 mg, BD (twice daily), Oral Tablet, Oral, 30/12/2021 (2 Days)	8 tablet (RM 0.80)		
⚠	4. Perindopril 4 mg Tablet	4 mg, OD (once daily), Oral Tablet, Oral, 30/12/2021 (2 Days)	2 tablet (RM 0.20)		

Total Price : RM 3.30

Original Prescriber Name
 Drug
 Dosage 0
 Admin Route
 Frequency Dosage Schedule
 Duration Days
 Start Date / Time 30/12/2021 12:39 PM
 End Date / Time 30/12/2021 12:39 PM
 Order Quantity 0
 Drug Indication
 Drug Remarks
 Available Qty

Figure 3.1.3-7 Medication Order

STEP 9

Click on the button to confirm

Note

- System will display Drug Information window for viewing as Figure 3.1.3-8

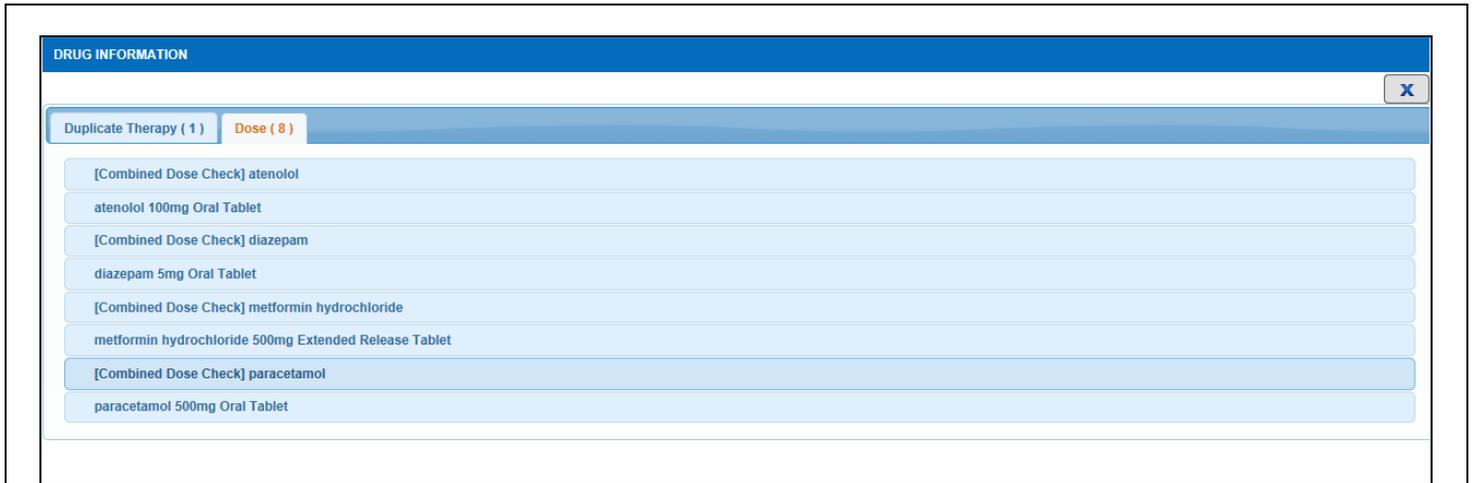


Figure 3.1.3-8Drug Information

- Click on the  button to close the window
- Proceed with verification process in section [3.2 Verification](#)

3.1.3.1 Tapering

Tapering is a function to prescribe same drug with gradually decreasing or increasing the drug dosage by specific duration and time. Tapering drug functions divided into two (2) categories which are taper up / increase dosage or taper down /decrease dosage. Only selected drug which has been defined in drug master set up are allowed to do tapering.

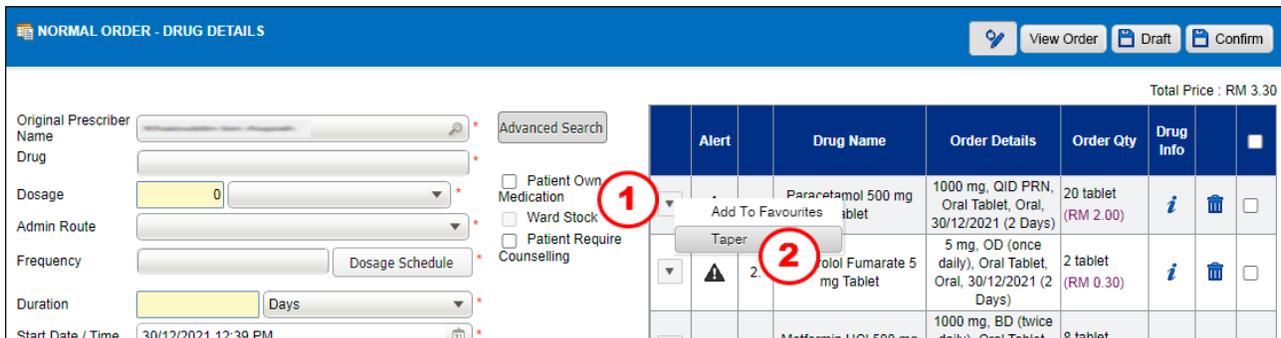


Figure 3.1.3.1-1 Taper Up Option Screen

STEP 1

Right click on the  button from the selected drug

STEP 2

Select **Taper** and new window taper up/down will displayed



Figure 3.1.3.1-2 Taper Up / Down

STEP 3

Click on  button to taper the drug

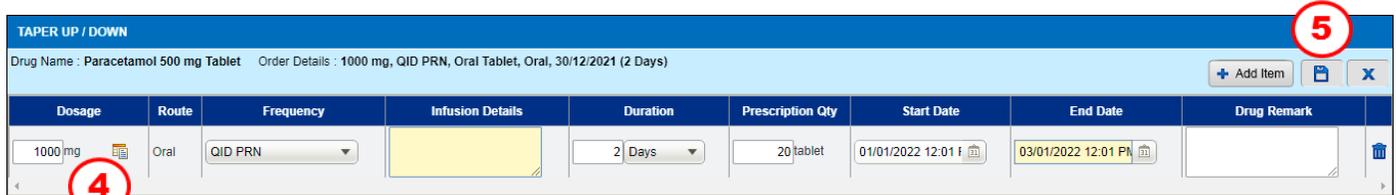


Figure 3.1.3.1-3 Taper Up / Down

STEP 4

Change the **Dosage** and **Duration of drugs** as required

Note

- User able to change **Dosage, Frequency, Start Date, Prescriber Qty and Drug Remark.**
- Click on  button to delete the tapering

STEP 5

Click on  button to save the record

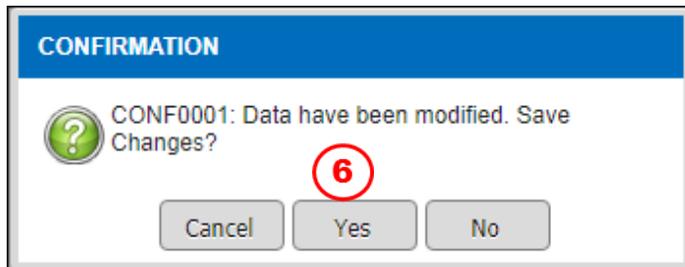


Figure 3.1.3.1-4 Alert Message

STEP 6

Click on the  button to proceed tapering

Note

System will create a new line under the parent drug as shown in Figure 3.1.3.1-5

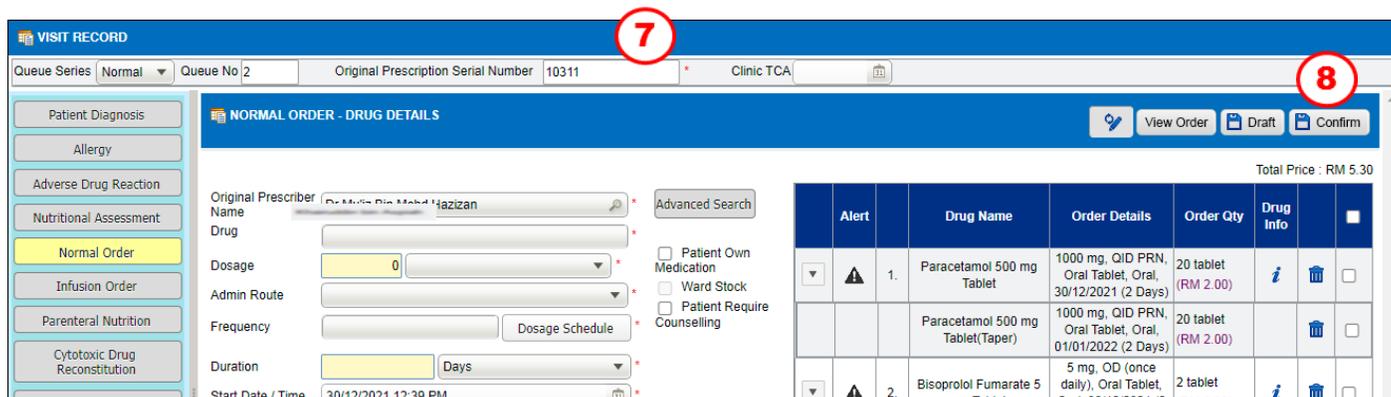


Figure 3.1.3.1-5 Normal Order Screen

STEP 7

Enter the **Original Prescription Serial Number**

STEP 8

Click on the  button to confirm order

Note

- Repeat **step 1 to 6** if another level of taper is required.
- To modify prescription, delete the latest tapering from the list.

3.1.3.2 Re-Order Rx

This function is use by Pharmacist to re-order the drugs from patient’s profile.

MEDICATION ORDER

Select Registered Patient: All | HSM000010 | Dispensing Location: Outpatient Pharmacy | New Patient

SXXX XXXXXXX XXXXX XXXXXX | Mykad: [REDACTED] | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | G6PD: [REDACTED] | Update (Last Updated: 15/10/2019) | Nationality: Warganegara

1 Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment

VISIT/ADMISSION

Encounter No: 0003 | Visit Type: Outpatient | Location: MOPD | Department: General Medicine | Clear | Visit Management | Patient Label | Patient sticker

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal | Queue No: [REDACTED] | Original Prescription Serial Number: [REDACTED] | *Clinic TCA: [REDACTED]

Normal Order - Drug Details

Original Prescriber Name: [REDACTED] | Drug: [REDACTED] | Dosage: 0 | Admin Route: [REDACTED] | Frequency: [REDACTED] | Duration: [REDACTED] | Start Date / Time: 15/10/2019 10:41 AM | End Date / Time: 15/10/2019 10:41 AM | Order Quantity: 0

Advanced Search | Own Medication | Ward Stock | Patient Require Counselling

View Order | Draft | Confirm | Total Price: RM 159.90

Alert	Drug Name	Order Details	Order Qty	Drug Info
-------	-----------	---------------	-----------	-----------

Figure 3.1.3.2-1 Medication Profile Screen

STEP 1

Click on **Medication Profile** hyperlink

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | (Last Updated: 15/10/2019) | Nationality: Warganegara

Drug Name: [REDACTED] | Visit Type: All | Prescription Date From: [REDACTED] | Prescription Date To: [REDACTED] | Prescription Status: All | Location: All

3

Re-Order Rx with different duration | Re-Order Rx | Stop | Change | Save

Current Medication

Rx No.	Original Prescription Serial Number	Discharge Medication	Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status
W10000823927		No	Hypromellose 0.3% Eye Drops (with preservative)	1 drop	Eye Right	OD (once daily)	3 Days	07/10/2019 03:18:26 PM	10/10/2019 03:18:26 PM	ACKNOWLEDGED
W10000823927		No	Thiamine HCl 100mg/ml Injection	100 mg	Intravenous	OD (once daily)	43 Days	28/08/2019 10:46:47 AM	10/10/2019 10:46:47 AM	ACKNOWLEDGED
W10000823918		No	Allopurinol 300 mg Tablet	300 mg	Oral	OD (once daily)	3 Days	27/08/2019 10:17:24 AM	30/08/2019 10:17:24 AM	VERIFIED
W10000823918		No	Acetazolamide 250 mg Tablet	250 mg	Oral	OD (once daily)	3 Days	27/08/2019 10:16:49 AM	30/08/2019 10:16:49 AM	ORDERED HOLD
MED0000922674		No	Alfacalcidol 0.25mcg Capsule	0.25 mcg	Oral	OD (once daily)	6 Days	18/06/2019 02:51:34 PM	24/06/2019 02:51:34 PM	ACKNOWLEDGED
MED0000922673		No	Alfacalcidol 0.25mcg Capsule	0.25 mcg	Oral	OD (once daily)	6 Days	18/06/2019 02:48:00 PM	24/06/2019 02:48:00 PM	ACKNOWLEDGED
MED0000922672		No	Allopurinol 300 mg Tablet	300 mg	Oral	OD (once daily)	6 Days	18/06/2019 02:41:00 PM	24/06/2019 02:41:00 PM	ACKNOWLEDGED

2

Previous Medication

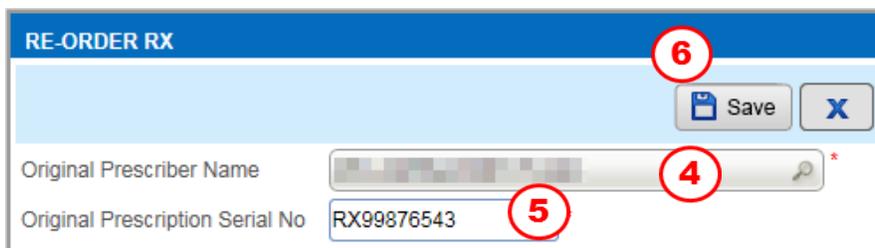
Figure 3.1.3.2-2 Medication Profile Screen

STEP 2

Click on the to select drugs that want to re-order

STEP 3

Click on the **Re-Order Rx** button to re-order selected drugs and a pop up will appear as of Figure 3.1.3.2-3



The form is titled "RE-ORDER RX" and has a blue header. It contains a "Save" button with a floppy disk icon and a close button with an "X" icon. Below the header, there are two input fields: "Original Prescriber Name" with a search icon and an asterisk, and "Original Prescription Serial No" with the value "RX99876543". Red circles with numbers 4, 5, and 6 highlight the search icon, the serial number field, and the "Save" button respectively.

Figure 3.1.3.2.3 Renew Rx

STEP 4

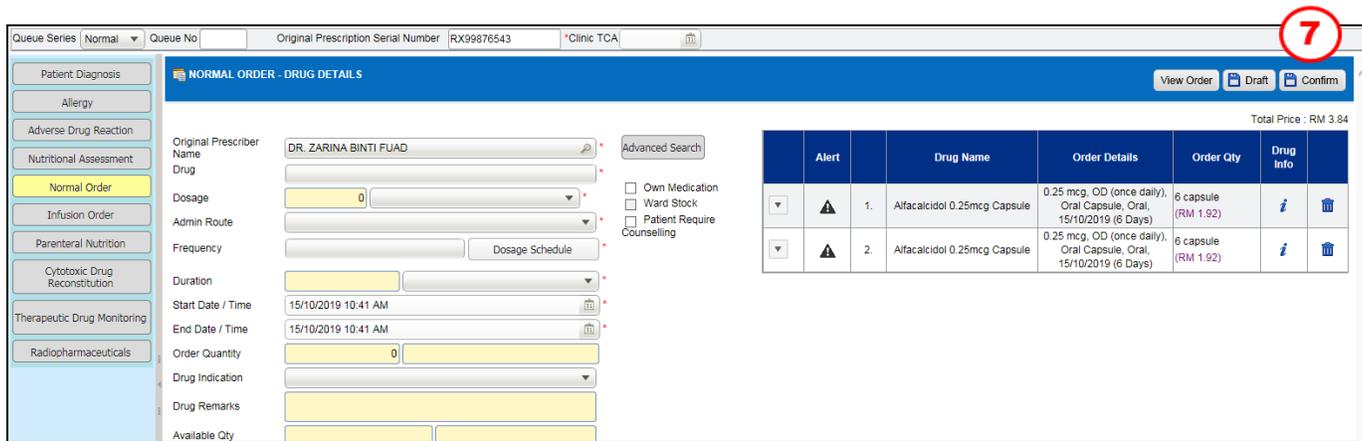
Select the **Original Prescriber Name**

STEP 5

Enter the **Original Prescription No**

STEP 6

Click on the **Save** button



The screen shows a "NORMAL ORDER - DRUG DETAILS" form. At the top, there are tabs for "Patient Diagnosis", "Allergy", "Adverse Drug Reaction", "Nutritional Assessment", "Normal Order", "Infusion Order", "Parenteral Nutrition", "Cytotoxic Drug Reconstitution", "Therapeutic Drug Monitoring", and "Radiopharmaceuticals". The "Normal Order" tab is selected. The form contains several input fields: "Original Prescriber Name" (DR. ZARINA BINTI FUAD), "Drug", "Dosage" (0), "Admin Route", "Frequency", "Duration", "Start Date / Time" (15/10/2019 10:41 AM), "End Date / Time" (15/10/2019 10:41 AM), "Order Quantity" (0), "Drug Indication", "Drug Remarks", and "Available Qty". There are also checkboxes for "Own Medication", "Ward Stock", and "Patient Require Counselling". A table on the right shows the order details with columns for Alert, Drug Name, Order Details, Order Qty, and Drug Info. The table contains two rows of data for "Alfacalcidol 0.25mcg Capsule". A red circle with the number 7 highlights the "Confirm" button in the top right corner.

Alert	Drug Name	Order Details	Order Qty	Drug Info
⚠	1. Alfacalcidol 0.25mcg Capsule	0.25 mcg, OD (once daily), Oral Capsule, Oral, 15/10/2019 (6 Days)	6 capsule (RM 1.92)	i
⚠	2. Alfacalcidol 0.25mcg Capsule	0.25 mcg, OD (once daily), Oral Capsule, Oral, 15/10/2019 (6 Days)	6 capsule (RM 1.92)	i

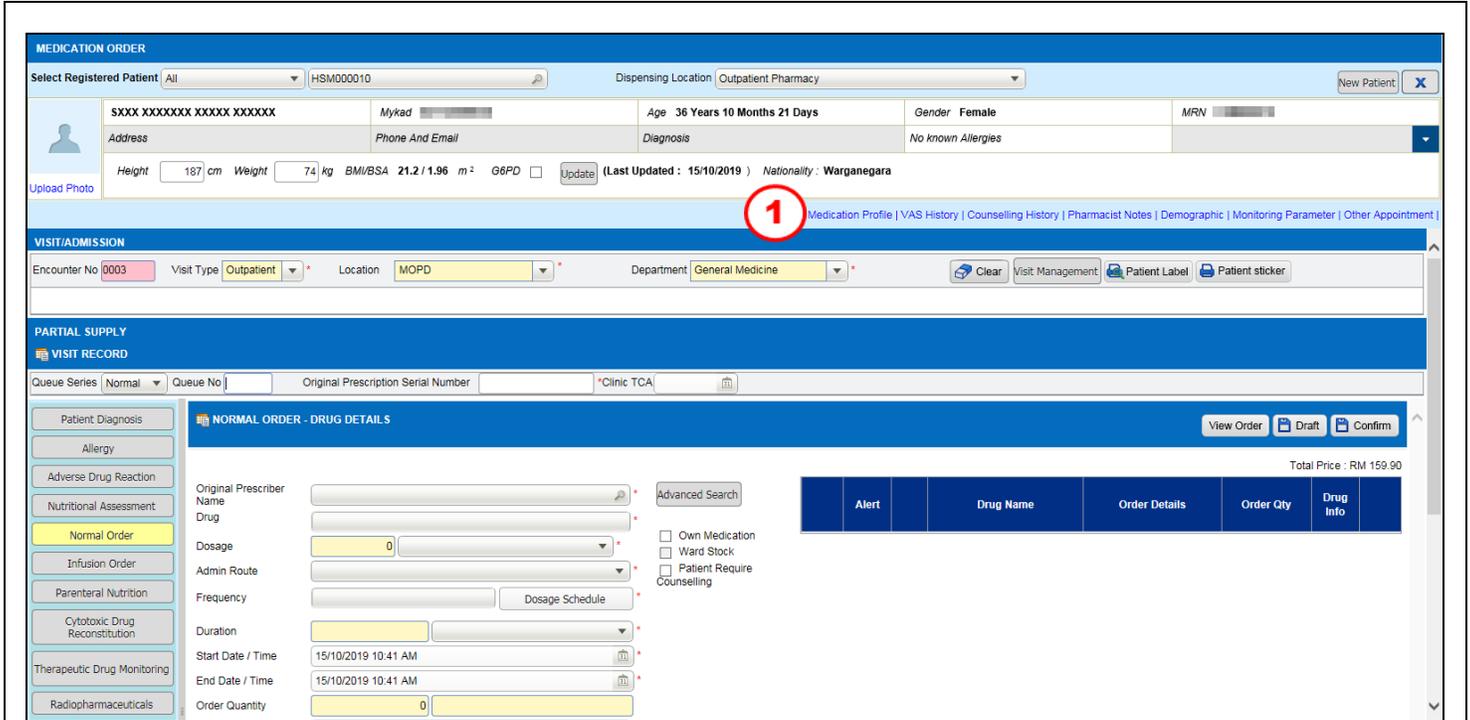
Figure 3.1.3.2-3 Normal Order Screen

STEP 7

Click on **Confirm** button to confirm the prescription

3.1.3.3 Re-Order Rx with Different Duration

This function is use by prescriber to re-order the drugs from patient’s profile with new duration.



MEDICATION ORDER

Select Registered Patient: All | HSM000010 | Dispensing Location: Outpatient Pharmacy | New Patient X

SXXX XXXXXXX XXXXX XXXXXX | Mykad: [REDACTED] | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | G6PD: | Update (Last Updated: 15/10/2019) | Nationality: Warganegara

1 Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment

VISIT/ADMISSION

Encounter No: 0003 | Visit Type: Outpatient | Location: MOPD | Department: General Medicine | Clear | Visit Management | Patient Label | Patient sticker

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal | Queue No: | Original Prescription Serial Number: | *Clinic TCA

NORMAL ORDER - DRUG DETAILS | View Order | Draft | Confirm

Total Price: RM 159.90

Alert	Drug Name	Order Details	Order Qty	Drug Info

Original Prescriber Name: [REDACTED] | Advanced Search

Drug: [REDACTED]

Dosage: 0 | Own Medication

Admin Route: [REDACTED] | Ward Stock

Frequency: [REDACTED] | Dosage Schedule: [REDACTED] | Patient Require Counselling

Duration: [REDACTED]

Start Date / Time: 15/10/2019 10:41 AM

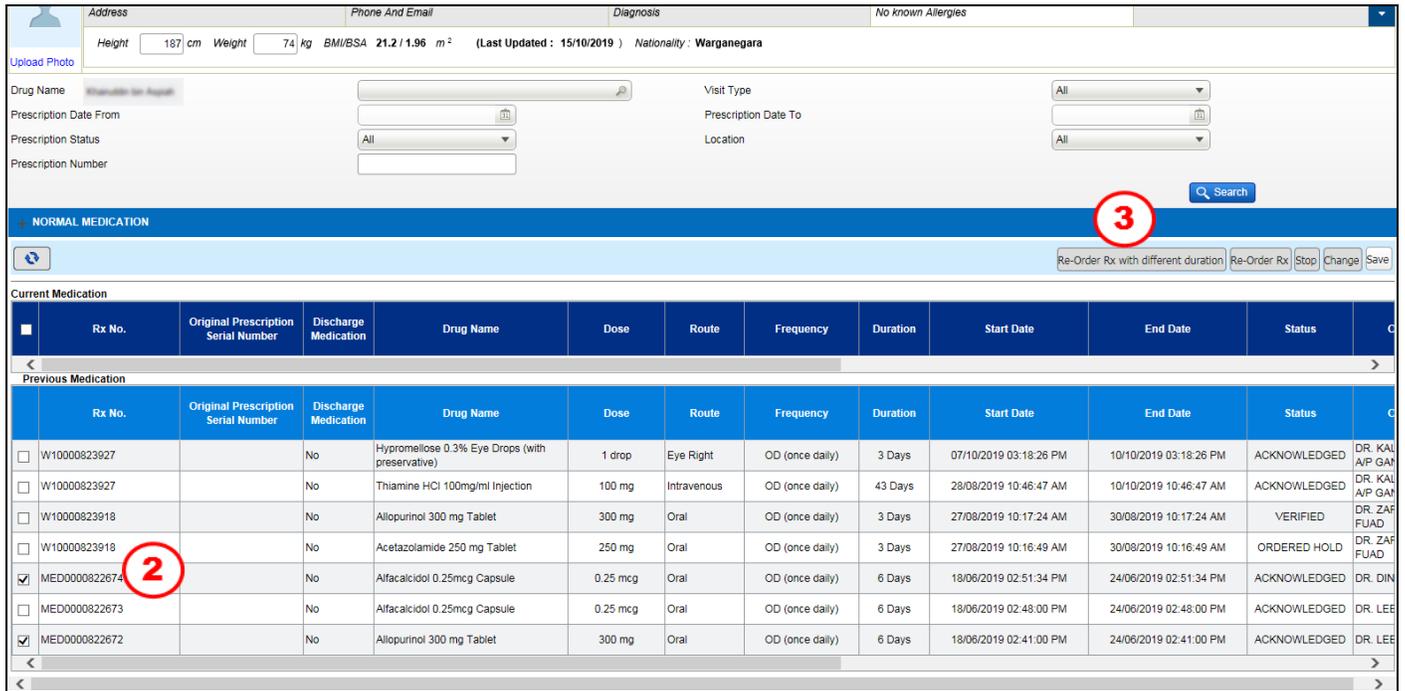
End Date / Time: 15/10/2019 10:41 AM

Order Quantity: 0

Figure 3.1.3.3-1 Medication Order Screen

STEP 1

Click on **Medication Profile** hyperlink



The screenshot shows the Medication Profile Screen. At the top, there are fields for Address, Phone And Email, Diagnosis, and No known Allergies. Below these are fields for Height (187 cm), Weight (74 kg), BMI/BSA (21.2 / 1.96 m²), Last Updated (15/10/2019), and Nationality (Warganegara). There is an Upload Photo button and a Search button. The main section is titled 'NORMAL MEDICATION' and contains a table with columns: Rx No., Original Prescription Serial Number, Discharge Medication, Drug Name, Dose, Route, Frequency, Duration, Start Date, End Date, Status, and a checkbox. The table lists several medications, with the row for 'Alfacalcidol 0.25mcg Capsule' (Rx No. MED0000822674) highlighted with a red circle '2'. Above the table, there are buttons for 'Re-Order Rx with different duration', 'Re-Order Rx', 'Stop', 'Change', and 'Save'. A red circle '3' is placed over the 'Re-Order Rx with different duration' button.

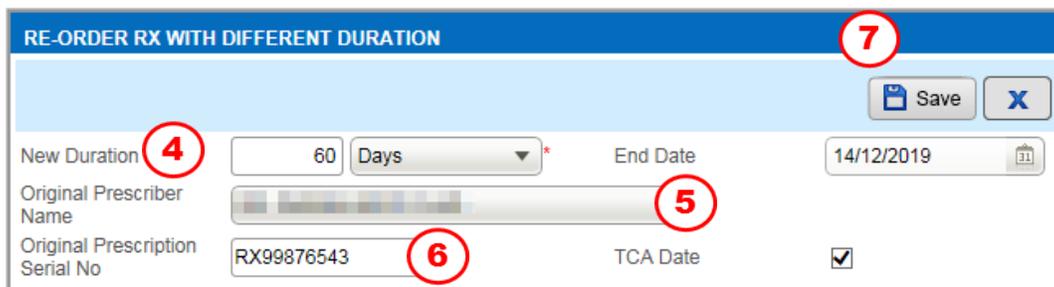
Figure 3.1.3.3-2 Medication Profile Screen

STEP 2

Click on the to select drugs that want to renew

STEP 3

Click on the **Re-Order Rx with different duration** to re-order the selected drugs



The dialog box is titled 'RE-ORDER RX WITH DIFFERENT DURATION'. It contains the following fields: 'New Duration' (4) with a value of 60 and a dropdown menu set to 'Days'; 'End Date' (7) with a value of 14/12/2019; 'Original Prescriber Name' (5) with a blurred name; 'Original Prescription Serial No' (6) with a value of RX99876543; and a 'TCA Date' checkbox which is checked. There are 'Save' and 'X' buttons at the top right.

Figure 3.1.3.3-3 Renew RX With Different Duration

STEP 4

Enter **New Duration**

STEP 5

Select the **Original Prescriber Name**

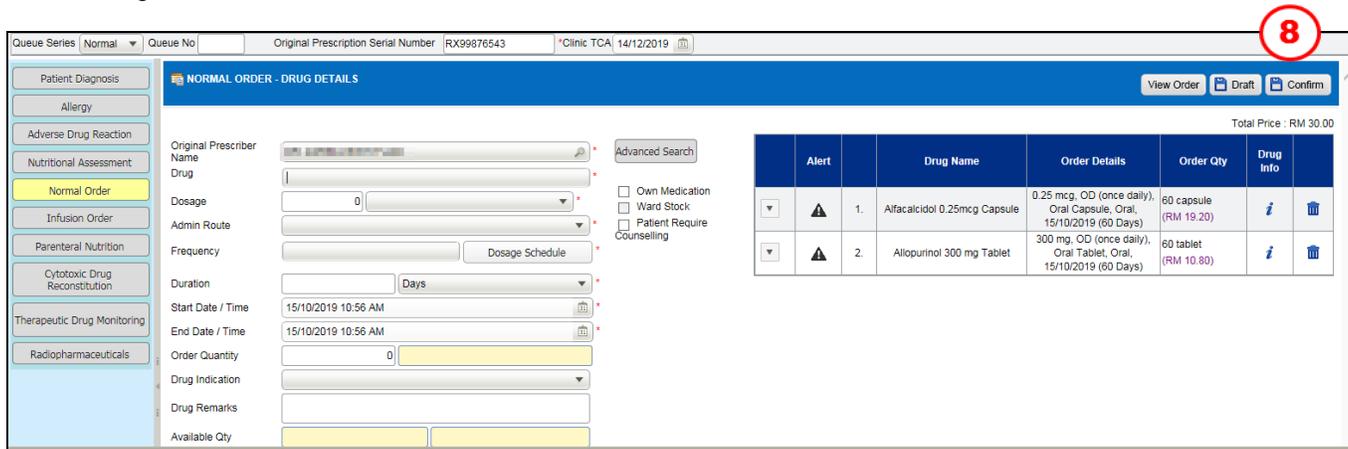
STEP 6

Enter the **Original Prescription No**

STEP 7

Click on the  button

Note
User is allowed to check on the TCA Date checkbox and information of TCA Date will be updated on the Normal Screen as shown in Figure 3.1.3.3-4



Queue Series: Normal | Queue No: | Original Prescription Serial Number: RX99876543 | *Clinic TCA: 14/12/2019

NORMAL ORDER - DRUG DETAILS [View Order] [Draft] [Confirm]

Total Price : RM 30.00

Alert	Drug Name	Order Details	Order Qty	Drug Info
1	Alfacalcidol 0.25mcg Capsule	0.25 mcg, OD (once daily), Oral Capsule, Oral, 15/10/2019 (60 Days)	60 capsule (RM 19.20)	[i] [trash]
2	Allopurinol 300 mg Tablet	300 mg, OD (once daily), Oral Tablet, Oral, 15/10/2019 (60 Days)	60 tablet (RM 10.80)	[i] [trash]

Figure 3.1.3.3-4 Normal Order Screen

STEP 8

Click on  button to confirm the prescription

3.1.3.4 Change

Pharmacist is allowed to modify Dosage, Frequency and Duration.

MEDICATION ORDER

Select Registered Patient: All | HSM000010 | Dispensing Location: Outpatient Pharmacy | New Patient

SXXX XXXXXXX XXXXX XXXXXX | Mykad: [REDACTED] | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | G6PD: [] | Update (Last Updated: 15/10/2019) | Nationality: Warganegara

1 Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment

VISIT/ADMISSION

Encounter No: 0003 | Visit Type: Outpatient | Location: MOPD | Department: General Medicine | Clear | Visit Management | Patient Label | Patient sticker

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal | Queue No: [] | Original Prescription Serial Number: [] | Clinic TCA: []

Patient Diagnosis: [] | Allergy: [] | Adverse Drug Reaction: [] | Nutritional Assessment: [] | Normal Order: [] | Infusion Order: [] | Parenteral Nutrition: [] | Cytotoxic Drug Reconstitution: [] | Therapeutic Drug Monitoring: [] | Radiopharmaceuticals: []

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: [] | Drug: [] | Dosage: 0 | Admin Route: [] | Frequency: [] | Duration: [] | Start Date / Time: 15/10/2019 10:41 AM | End Date / Time: 15/10/2019 10:41 AM | Order Quantity: 0

Advanced Search | Own Medication | Ward Stock | Patient Require Counselling

Total Price: RM 159.90

Alert	Drug Name	Order Details	Order Qty	Drug Info

Figure 3.1.3.4-1 Medication Order Screen

STEP 1

Click on **Medication Profile** hyperlink

MEDICATION PROFILE

SXXX XXXXXXX XXXXX XXXXXX | Mykad: [REDACTED] | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | (Last Updated: 15/10/2019) | Nationality: Warganegara

Drug Name: [] | Visit Type: All | Prescription Date From: [] | Prescription Date To: [] | Prescription Status: All | Location: All | Search

2

NORMAL MEDICATION

Re-Order Rx with different duration | Re-Order Rx | Stop | Change | Save

Current Medication	Original Prescription Serial Number	Discharge Medication	Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status		
<input checked="" type="checkbox"/>	MED0000824664	RX66574222	No	Paracetamol 500 mg Tablet	1000 mg	Oral	TDS PRN	7 Days	15/10/2019 11:04:04 AM	22/10/2019 11:04:04 AM	VERIFIED	DR. ZAF AFP. GAF

3

Previous Medication	Rx No.	Original Prescription Serial Number	Discharge Medication	Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status	
<input type="checkbox"/>	W10000823927		No	Hypromellose 0.3% Eye Drops (with preservative)	1 drop	Eye Right	OD (once daily)	3 Days	07/10/2019 03:18:26 PM	10/10/2019 03:18:26 PM	ACKNOWLEDGED	DR. KAL AFP. GAF
<input type="checkbox"/>	W10000823927		No	Thiamine HCl 100mg/ml Injection	100 mg	Intravenous	OD (once daily)	43 Days	28/08/2019 10:46:47 AM	10/10/2019 10:46:47 AM	ACKNOWLEDGED	DR. KAL AFP. GAF

Figure 3.1.3.4-2 Medication Profile Screen

STEP 2

Click on the to select drugs that want to modify

STEP 3

Click on the to modify selected drugs

Figure 3.1.3.4-3 Medication Profile Screen

STEP 4

Change **Dose**, **Frequency**, and **Duration**

STEP 5

Enter **Stop/Change Reason**

STEP 6

Click on the to save the changes and Change Drug window will display as Figure 3.1.3.4-4

Figure 3.1.3.4-4 Change Drug

STEP 7

Select **Original Prescriber Name**

Note

- Change **Original Prescription Serial No** if necessary
- User is allowed to check on the TCA Date checkbox and information of TCA Date will be updated

STEP 8

Click on the  button to save the changes and confirmation message will display as Figure 3.1.3.4-5

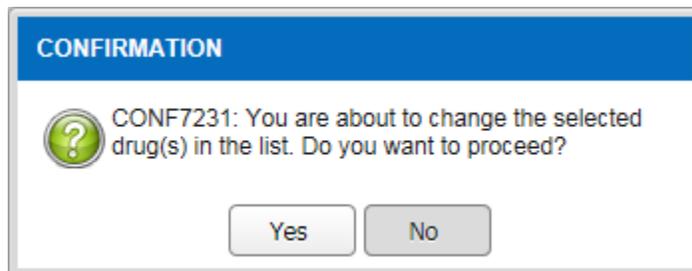
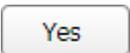


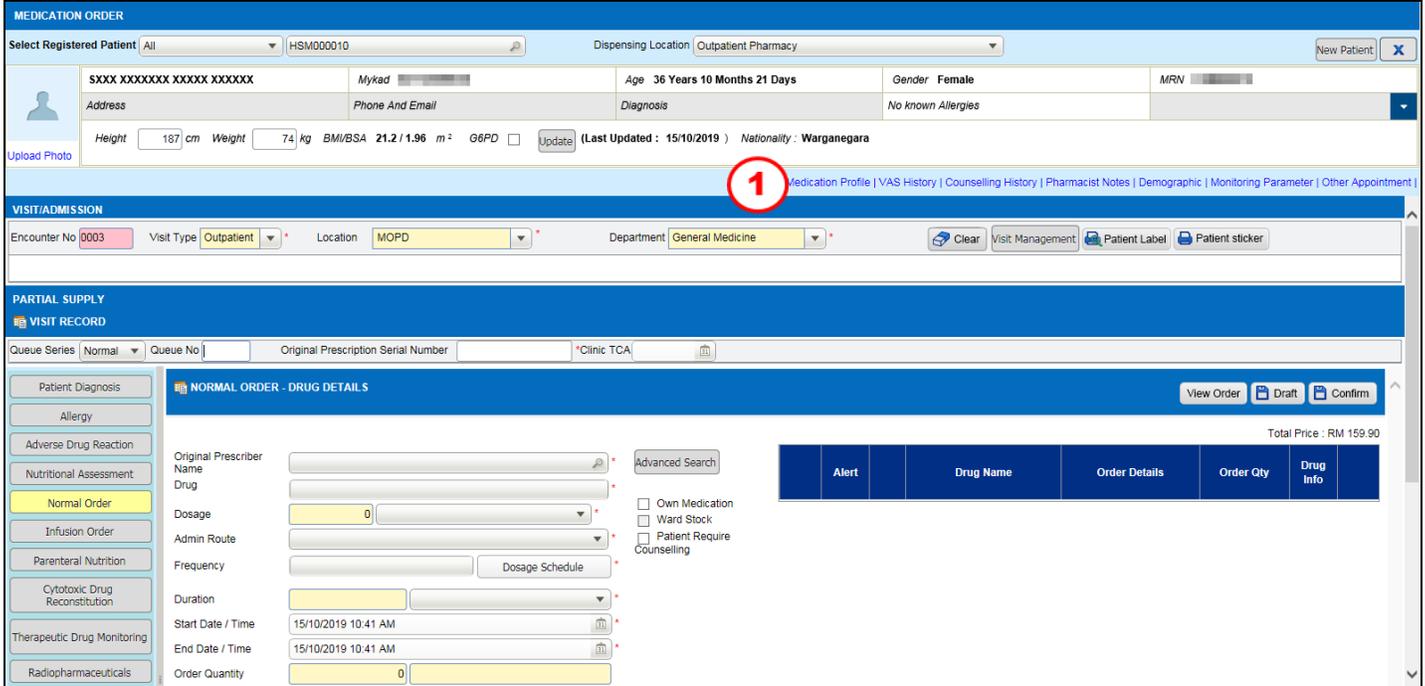
Figure 3.1.3.4-5 Confirmation Message

Note

Click on the  button to proceed with the changes

3.1.3.5 Stop

Pharmacist is allowed to stop current medication.



MEDICATION ORDER

Select Registered Patient: All | HSM000010 | Dispensing Location: Outpatient Pharmacy | New Patient

XXXX XXXXXXX XXXXX XXXXXX | Mykad: | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: |
 Address: | Phone And Email: | Diagnosis: | No known Allergies |
 Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | G6PD: | Update (Last Updated: 15/10/2019) | Nationality: Warganegara

1 Medication Profile | VAS History | Counseling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment

VISIT/ADMISSION

Encounter No: 0003 | Visit Type: Outpatient | Location: MOPD | Department: General Medicine | Clear | Visit Management | Patient Label | Patient sticker

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal | Queue No: | Original Prescription Serial Number: | *Clinic TCA: |

NORMAL ORDER - DRUG DETAILS

View Order | Draft | Confirm

Total Price: RM 159.90

Alert | Drug Name | Order Details | Order Qty | Drug Info

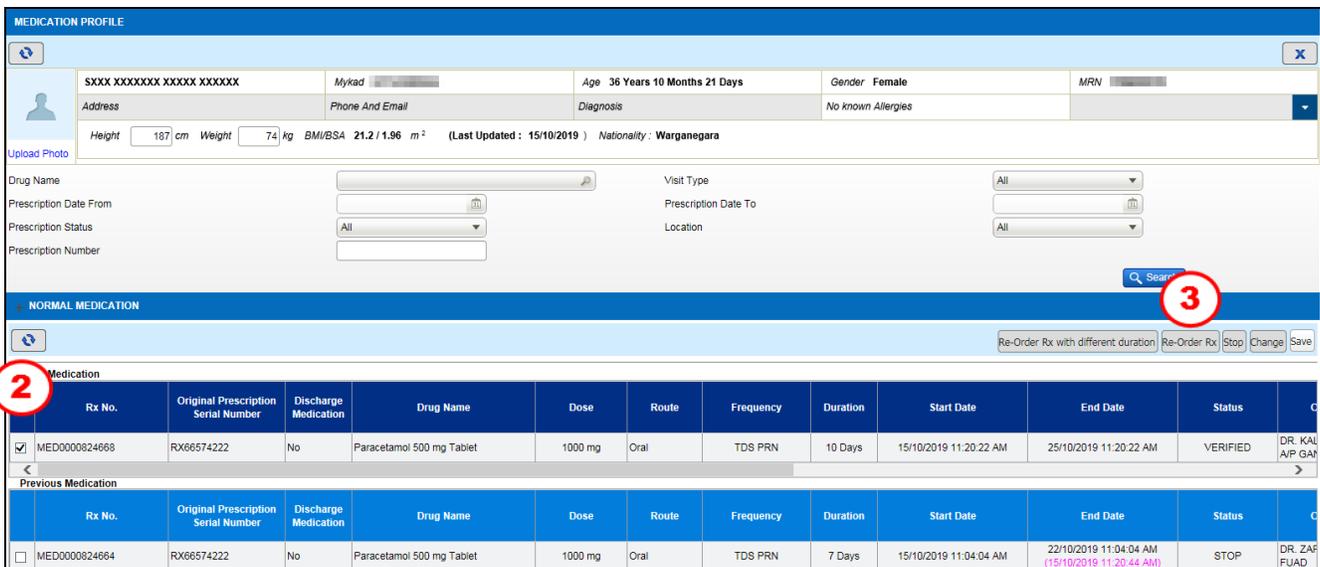
Original Prescriber Name: | Drug: | Dosage: 0 | Admin Route: | Frequency: | Duration: | Start Date / Time: 15/10/2019 10:41 AM | End Date / Time: 15/10/2019 10:41 AM | Order Quantity: 0

Advanced Search | Own Medication | Ward Stock | Patient Require Counseling

Figure 3.1.3.5-1 Medication Order Screen

STEP 1

Click on **Medication Profile** hyperlink



MEDICATION PROFILE

XXXX XXXXXXX XXXXX XXXXXX | Mykad: | Age: 36 Years 10 Months 21 Days | Gender: Female | MRN: |
 Address: | Phone And Email: | Diagnosis: | No known Allergies |
 Height: 187 cm | Weight: 74 kg | BMI/BSA: 21.2 / 1.96 m² | (Last Updated: 15/10/2019) | Nationality: Warganegara

Drug Name: | Visit Type: All | Prescription Date From: | Prescription Date To: | Prescription Status: All | Location: | Prescription Number: | Search

2 **NORMAL MEDICATION**

Re-Order Rx with different duration | Re-Order Rx | Stop | Change | Save

Medication	Rx No.	Original Prescription Serial Number	Discharge Medication	Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status	
<input checked="" type="checkbox"/>	MED0000824668	RX66574222	No	Paracetamol 500 mg Tablet	1000 mg	Oral	TDS PRN	10 Days	15/10/2019 11:20:22 AM	25/10/2019 11:20:22 AM	VERIFIED	DR. KAL AIF GAR
Previous Medication												
<input type="checkbox"/>	MED0000824664	RX66574222	No	Paracetamol 500 mg Tablet	1000 mg	Oral	TDS PRN	7 Days	15/10/2019 11:04:04 AM	22/10/2019 11:04:04 AM (15/10/2018 11:20:44 AM)	STOP	DR. ZAF FUAD

3 Search

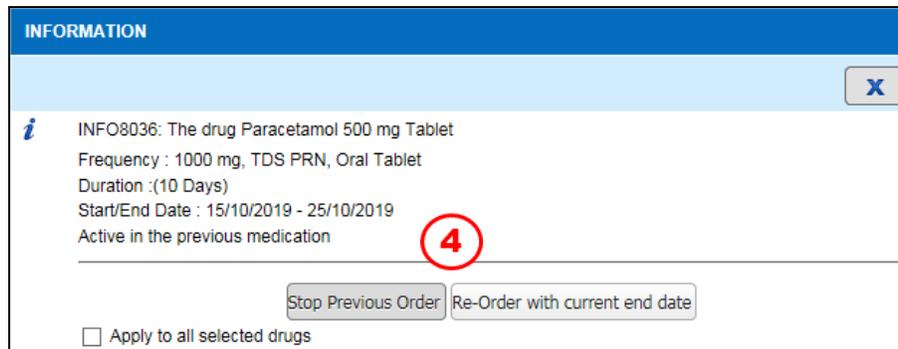
Figure 3.1.3.5-2 Medication Profile Screen

STEP 2

Click on the to select drugs that want to modify

STEP 3

Click on the to modify selected drugs



INFORMATION

i INFO8036: The drug Paracetamol 500 mg Tablet
Frequency : 1000 mg, TDS PRN, Oral Tablet
Duration :(10 Days)
Start/End Date : 15/10/2019 - 25/10/2019
Active in the previous medication **4**

Apply to all selected drugs

Figure 3.1.3.5-3 Medication Profile Screen

STEP 4

Click on the button to stop the drug

3.1.4 Manage Prescription

This function is used to manage prescription recorded by pharmacist.

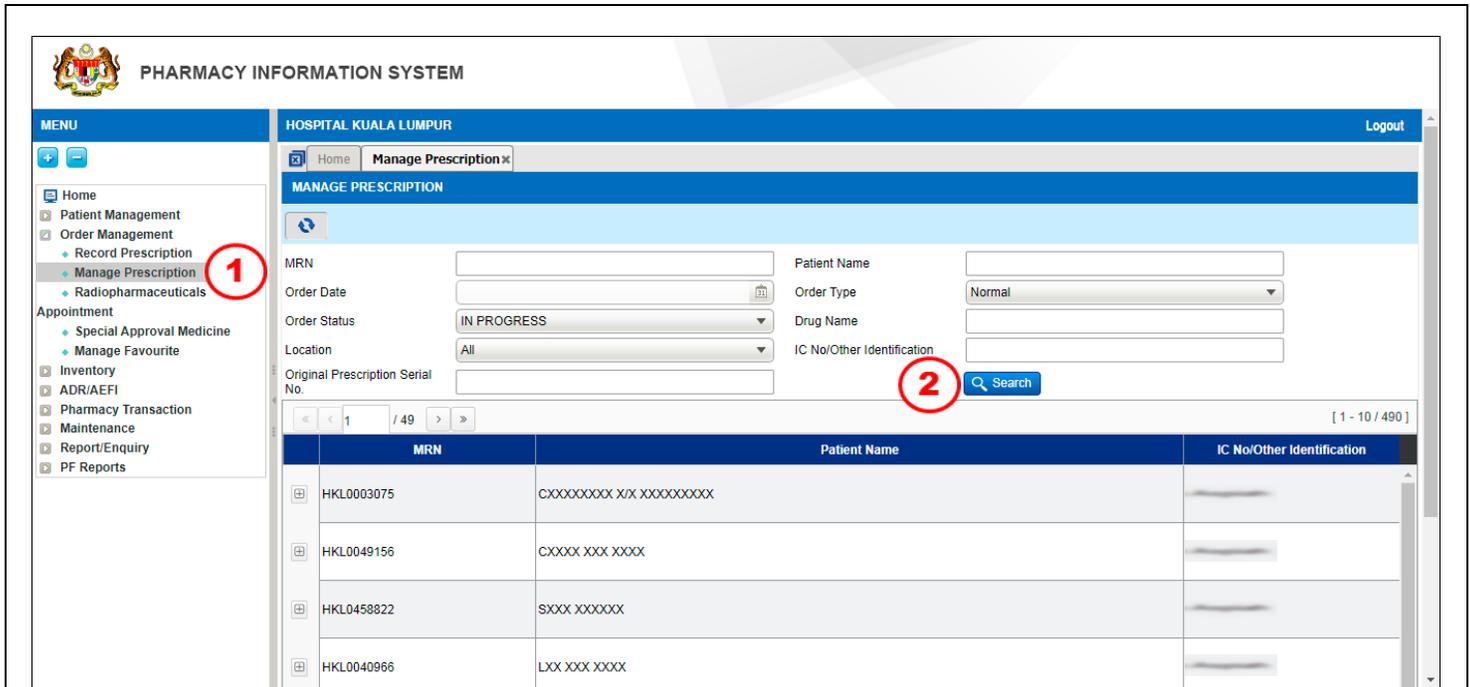


Figure 3.1.4 Manage Prescription

STEP 1

Click on 'Order Management' menu and followed by 'Manage Prescription' sub-menu

Note

On this listing page, various Search criteria is provided as below:

No	Field	Description	Remark
a	MRN	Patient Medical Record Number	Search option: <ul style="list-style-type: none"> • Scan the MRN using barcode scanner. • Type the MRN either full or partial
b	Order date	Order date	Allow to search by ordered date
c	Order Status	According to Order in which stage	Able to filter by order status
d	Location	Patient visit location	Able to filter and search patient name by visit location
e	Patient Name	Patient Name	Allow to search by patient name
f	Order Type	- Normal - CDR - IV - PN	Allow to search by order type

		- Radiopharmaceuticals	
g	Drug Name	Drug Name	Allow to search by full or partial
h	IC No/Other Identification	IC No	Allow to search by IC Number
i	Original Prescription Serial No	Original Prescription Serial No	Allow to search Original Prescription Serial No

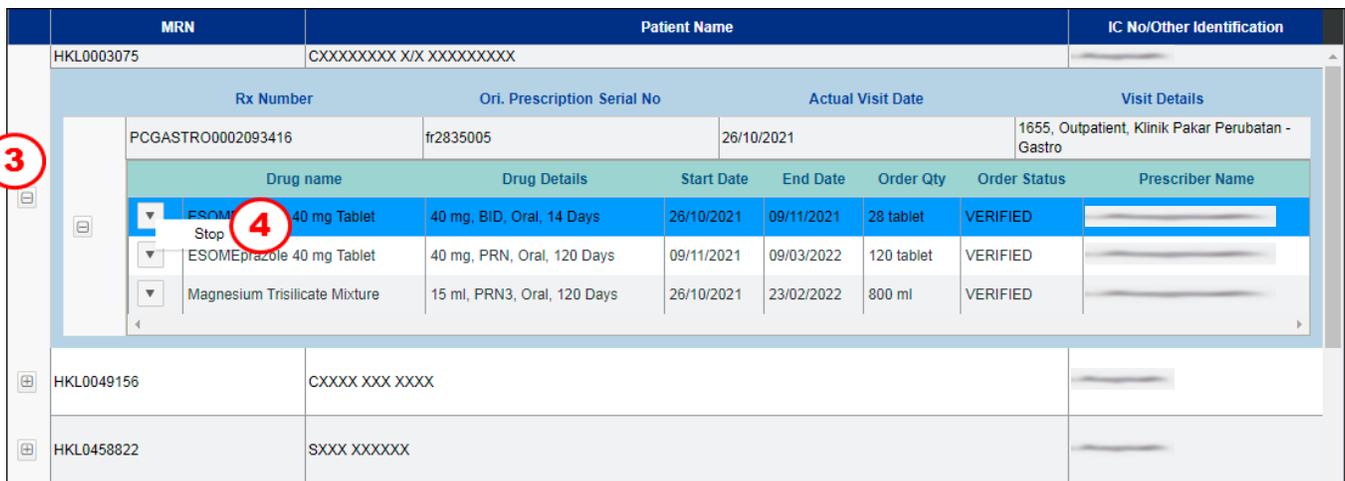
Table 3.1.4-1

STEP 2

Click on the  button to search patient

STOP Medication

User is allowed to stop medication if the drug is still active and not applicable for Fully Dispense and Discontinue Drug



MRN	Patient Name	IC No/Other Identification
HKL0003075	CXXXXXXXX X/X XXXXXXXXX	

Rx Number	Ori. Prescription Serial No	Actual Visit Date	Visit Details
PCGASTRO0002093416	fr2835005	26/10/2021	1655, Outpatient, Klinik Pakar Perubatan - Gastro

Drug name	Drug Details	Start Date	End Date	Order Qty	Order Status	Prescriber Name
ESOM 40 mg Tablet	40 mg, BID, Oral, 14 Days	26/10/2021	09/11/2021	28 tablet	VERIFIED	
ESOMEprazole 40 mg Tablet	40 mg, PRN, Oral, 120 Days	09/11/2021	09/03/2022	120 tablet	VERIFIED	
Magnesium Trisilicate Mixture	15 ml, PRN3, Oral, 120 Days	26/10/2021	23/02/2022	800 ml	VERIFIED	

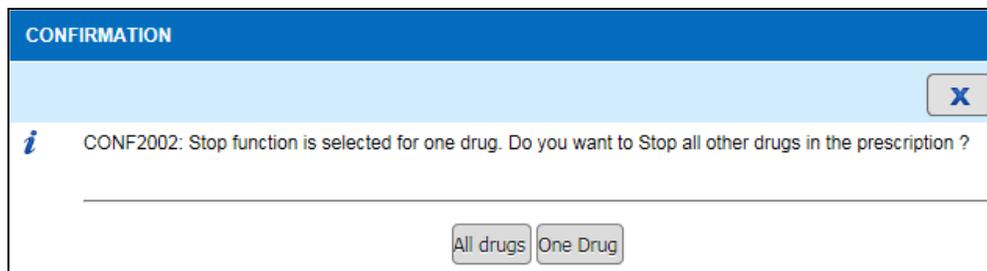
Figure 3.1.4-2 Manage Prescription

STEP 3

Click on  button to view selected patient's prescription

STEP 4

Right click on the  button and select **Stop** and Confirmation Message will display as Figure 3.1.4-2



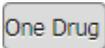
CONFIRMATION



 CONF2002: Stop function is selected for one drug. Do you want to Stop all other drugs in the prescription ?

Figure 3.1.4-2 Confirmation Message

Note

- Click on the  button to stop the selected Drug only
- Click on the  button to stop all drug under the patient prescription
- Stop Reason window will display as Figure 3.1.4-3

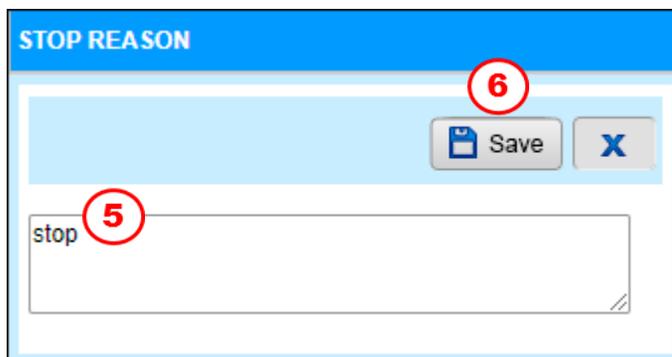


Figure 3.1.4-3 Stop Reason

STEP 5

Enter Stop Reason remarks

STEP 6

Click on the  button to save the record and the drug status will change to stop

Change Medication

User is allowed to change medication with the drug status Ordered only

MRN	Patient Name	IC No/Other Identification
HKL0025538	DXXX XXXXX XXXXXX	
HKL0140785	SXXX XXXXXXXX XXXXX XXXX XXXXX	

Rx Number	Ori. Prescription Serial No	Actual Visit Date	Visit Details
N5A_M0002065634	fr2697396	06/10/2021	1582, Inpatient, Wad Neurologi (N5A)

Drug name	Drug Details	Start Date	End Date	Order Qty	Order Status	Prescriber Name
Vitamin B1, B6, B12 Tablet	1 tablet, OD, Oral, 94 Days	07/10/2021	09/01/2022	94 tablet	ORDERED	

MRN	Patient Name	IC No/Other Identification
HKL0197889	LXX XX XXXX	

Figure 3.1.4-4 Manage Prescription

STEP 1

Click on  button to view selected patient's prescription

STEP 2

Right click on the  button and select **Change** and Modify Order screen will display as Figure 3.1.4-5

MODIFY ORDER
 

 DRUG DETAILS


<p>Drug: <input type="text" value="Vitamin B1, B6, B12 Tablet"/></p> <p>Dosage: <input type="text" value="1"/> <input type="text" value="tablet"/></p> <p>Admin Route: <input type="text" value="Oral"/></p> <p>Frequency: <input type="text" value="OD (once daily)"/> <input type="button" value="Dosage Schedule"/></p> <p>Infusion Details: <input type="text" value=""/></p> <p>Duration: <input type="text" value="94"/> <input type="text" value="Days"/></p> <p>Order Quantity: <input type="text" value="94"/> <input type="text" value="tablet"/></p> <p>Start Date / Time: <input type="text" value="07/10/2021 11:24 AM"/></p> <p>Drug Remarks: <input type="text" value=""/></p>	<p>Drug Category: <input type="text" value="B"/></p> <p>Dosage Form: <input type="text" value="Oral Tablet"/></p> <p>Drug Indication: <input type="text" value="Vitamins Deficiency"/></p> <p>Counselling Indication: <input type="checkbox"/></p> <p>Patient Own Medication: <input type="checkbox"/></p> <p>Dispense Location: <input type="text" value="Farmasi Neurosains"/></p> <p>End Date / Time: <input type="text" value="09/01/2022 11:24 AM"/></p>
---	---

Figure 3.1.4-5 Modify Order

STEP 3

Modify order

STEP 4

Click on the  button to save the record and Confirmation Message will display as Figure 3.1.4-6

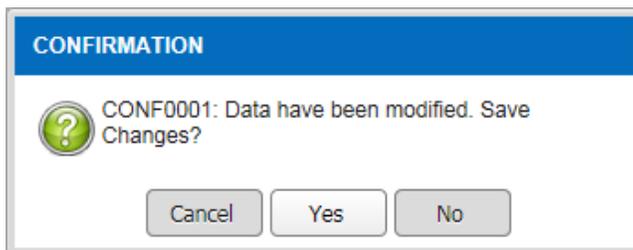
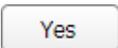


Figure 3.1.4-6 Confirmation Message

Note

Click on the  button to save for the changes made

Taper Medication

User is allowed to taper medication with the drug status Ordered only

MRN	Patient Name			IC No/Other Identification		
HKL0025538	DXXX XXXXX XXXXXX					
HKL0140785	SXXX XXXXXXX XXXXX XXXX XXXXX					
Rx Number	Ori. Prescription Serial No	Actual Visit Date	Visit Details			
N5A_M0002065634	fr2697396	06/10/2021	1582, Inpatient, Wad Neurologi (N5A)			
Drug name	Drug Details	Start Date	End Date	Order Qty	Order Status	Prescriber Name
Vitamin B1, B6, B12 Tablet	1 tablet, OD, Oral, 94 Days	07/10/2021	09/01/2022	94 tablet	ORDERED	
HKL0197889	LXX XX XXXX					

Figure 3.1.4-7 Manage Prescription

STEP 1

Click on  button to view selected patient's prescription

STEP 2

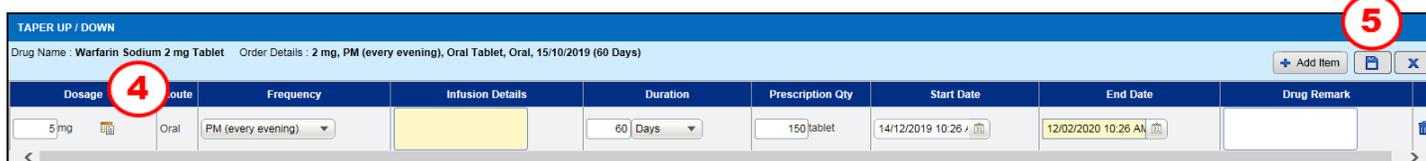
Right click on the  button and select **Taper** and Taper Up/Down Screen will display as Figure 3.1.4-8

TAPER UP / DOWN							
Drug Name : Paracetamol 10mg/ml in 100ml solution for IV Infusion Order Details : 1000 mg, OD (once daily), Parenteral Solution, Intravenous Infusion, 29/07/2019 (3 Days)							
							
Dosage	Route	Frequency	Duration	Prescription Qty	Start Date	End Date	Drug Remark
No Records Found!							

Figure 3.1.4-8 Taper Up / Down

STEP 3

Click on  button to taper the drug



Dosage	Route	Frequency	Infusion Details	Duration	Prescription Qty	Start Date	End Date	Drug Remark
5 mg	Oral	PM (every evening)		60 Days	150 Tablet	14/12/2019 10:26 AM	12/02/2020 10:26 AM	

Figure 3.1.4-9 Taper Up / Down

STEP 4

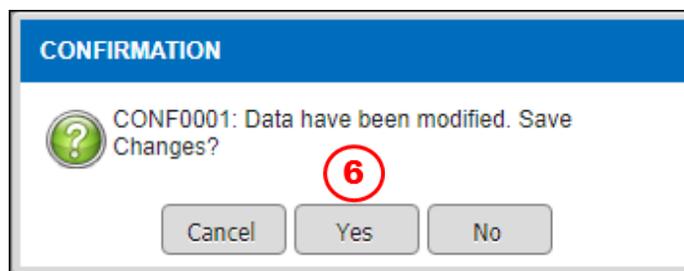
Change the **Dosage** and **Duration of drugs** as required

Note

- User able to change **Frequency**, **Start Date** and **Drug Remark**.
- Click on  button to delete the tapering

STEP 5

Click on  button to save the record



CONFIRMATION

CONF0001: Data have been modified. Save Changes?

Cancel Yes No

Figure 3.1.4-10 Confirmation Message

STEP 6

Click on the  button to proceed tapering

Modify/Delete Tapering Drug

User is allowed to Modify Or Delete Tapering Drug with the status of Ordered only

MRN	Patient Name			IC No/Other Identification			
Rx Number	Ori. Prescription Serial No	Actual Visit Date		Visit Details			
RT2CD0001077565	1708334	18/10/2019		0030, Inpatient, Wad Onkologi 2CD			
Drug name	Drug Details	Start Date	End Date	Order Qty	Order Status	Prescriber Name	
Paracetamol 500 mg Tablet	1000 mg, PRN2, Oral, 14 Days	18/10/2019	01/11/2019	56 tablet	ORDERED		
Tramadol HCl 50 mg Capsule/Tablet	50 mg, PRN3, Oral, 14 Days	18/10/2019	01/11/2019	40 capsule	ORDERED		
Tramadol HCl 50 mg Capsule/Tablet	100 mg, PRN3, Oral, 14 Days	01/11/2019	15/11/2019	84 capsule	ORDERED		

Figure 3.1.4-11 Manage Prescription

STEP 1

Click on  button to view selected patient's prescription

STEP 2

Right click on the  button and select **Modify** and Taper Up/Down screen will display as Figure 3.1.4-12

TAPER UP / DOWN								
Drug Name : Tramadol HCl 50 mg Capsule/Tablet Order Details : 50 mg, TDS PRN, Oral Capsule, Oral, 18/10/2019 (14 Days)								
+	+	+	+	+	+	+	+	+
Dosage	Route	Frequency	Infusion Details	Duration	Prescription Qty	Start Date	End Date	Drug Remark
100 mg	Oral	TDS PRN		14 Days	84 capsule	01/11/2019 4:05 PM	15/11/2019 4:05 PM	

Figure 3.1.4-12 Taper Up/Down

STEP 3

Modify information needed

STEP 4

Click on  button to save the record and Confirmation Message will display as Figure 3.1.4-13

CONFIRMATION

 CONF0001: Data have been modified. Save Changes?

Figure 3.1.4-13 Confirmation Message

Note

Click on the  button to save for the changes made

Note

- User is allowed to delete Taper Drug by selecting Delete (as Figure 3.1.4-11) and confirmation message will display as Figure 3.1.4-14

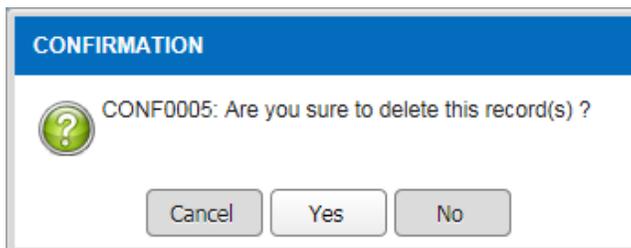
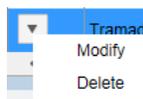
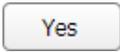


Figure 3.1.4-14 Confirmation Message

- Click on the  button to delete the taper drug

3.2 Verification

This function is used to verify prescription recorded by pharmacist.

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient X

Patient Information:
 ZAINAL ABIDIN BIN RASHID | Mykad: [redacted] | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: HKL00466888
 Address: [redacted] | Phone And Email: [redacted] | Diagnosis: No known Allergies
 Height: [redacted] cm | Weight: [redacted] kg | BMI/BSA: 0/0 m² | G6PD: [redacted] | Update (Last Updated:) | Nationality: Warganegara

VISIT/ADMISSION
 Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker
 Facility RN Number: [redacted] | MFlex In: [redacted]

VISIT RECORD
 Queue Series: Normal | Queue No: 2 | Original Prescription Serial Number: 10311 | Clinic TCA: [redacted]

PRESCRIPTION | PROCEED TO PREPARATION | ENGLISH | Original Prescription | Intervened Prescription | Label | Label | Allocate | Full Supply | Verify **1**

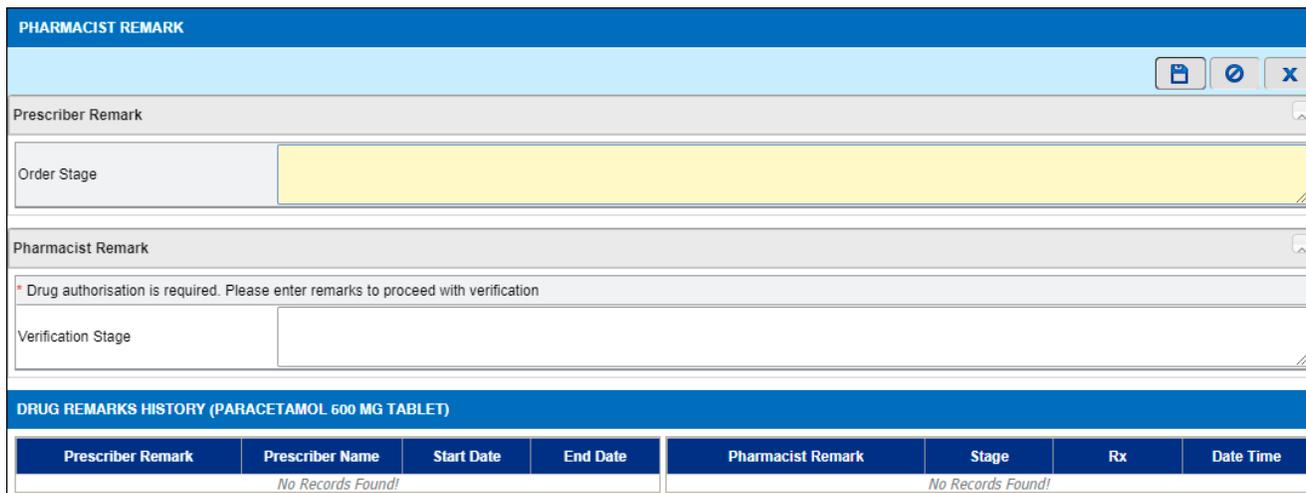
Clinic TCA: [redacted] | Next Collection Mode: Normal Collection | SPUB Out: [redacted] | SPUB: [redacted] | SPUB R1 Form: [redacted] | Waiting Time: 1:29:00
 Next Collection Date: 01/01/2022 | Dispense At: [redacted] | Next Visit Collection: [redacted]
 Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score: [redacted]

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Bisoprolol Fumarate 5 mg Tablet	5 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2-1 Verification

Note

- Drug Interaction and Drug Info at Dispensing screen is displayed under the drug name.
 - Drug Interaction =
 - Drug Info =
- If there are any drug interaction, this icon will change to red color and once clicks, it will display the drug interaction screen info
- Click on the Remarks hyperlink to enter/view remarks as shown in figure 3.2-2



Prescriber Remark	Prescriber Name	Start Date	End Date	Pharmacist Remark	Stage	Rx	Date Time
No Records Found!				No Records Found!			

Figure 3.2-2 Pharmacist Remark

- Enter remark on Verification Stage (if required) and click on the  button to save the record
- Tick on the Counselling Indication [Detail](#) checkbox and click on the Details hyperlink to enter Counselling Indication as shown in Figure 3.2-3

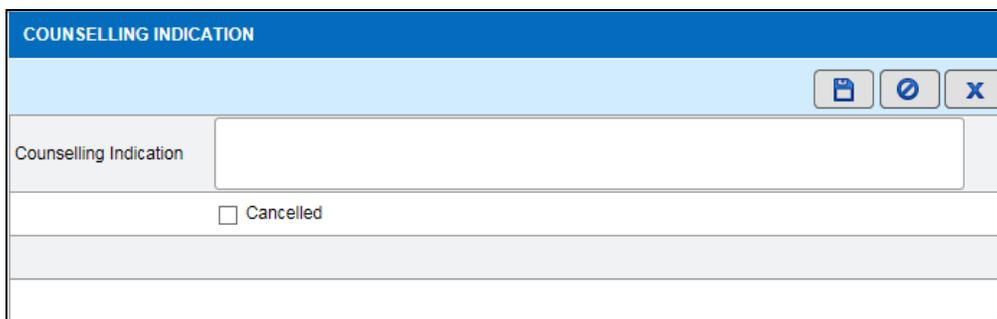


Figure 3.2-3 Counselling Indication

STEP 1

Click on  the button to verify the prescription

Note

- System will display a Confirmation Message as shown in Figure 3.2-4

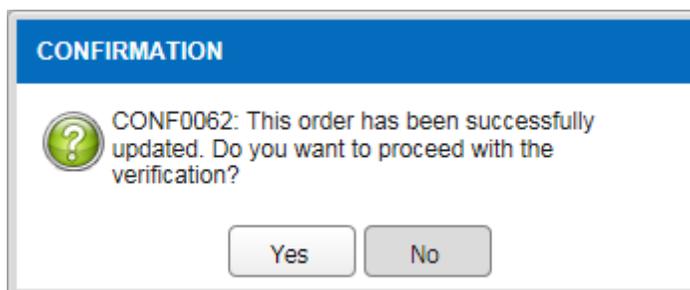


Figure 3.2-4 Confirmation Message

- Click on the button to proceed with preparation process
- If the prescription content DD/Psychotropics Drug, system will display a alert message as shown in Figure 3.2-5

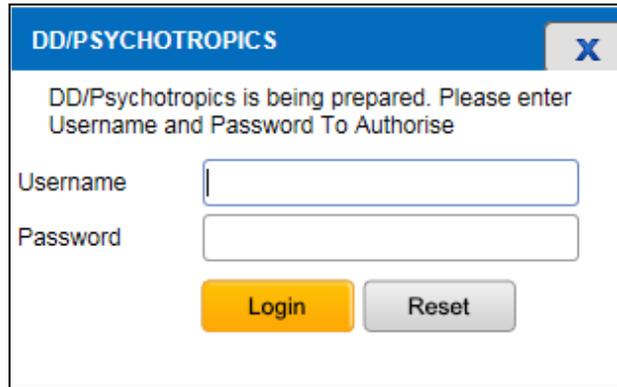


Figure 3.2-5 DD/Psychotropics

- Enter **Username** and **Password** then click on the button
- To skip the preparation process, tick the Proceed to Dispense checkbox
- Click at the Reserve quantity checkbox if there is no stock for a particular drug to dispense with '0' quantity
- Click on the button to allocate quantity of the drug based on Supply Duration value
- Click on the button to fully allocate quantity for the drug
- After allocate, user also able to print the drug label

3.2.1 Hold and Resume Drug

To hold and resume drug, perform step as follow:

Hold Drug

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient

PATIENT INFORMATION:
 ZAINAL ABIDIN BIN RASHID | Mykad: [redacted] | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: HKL00466888
 Address: [redacted] | Phone And Email: [redacted] | Diagnosis: [redacted] | No known Allergies
 Height: [redacted] cm | Weight: [redacted] kg | BMI/BSA: 0/0 m² | G6PD: [redacted] | Update | (Last Updated:) | Nationality: Warganegara

VISIT/ADMISSION:
 Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker
 Facility RN Number: [redacted] | MFlex In: [redacted]

VISIT RECORD:
 Queue Series: Normal | Queue No: 2 | Origin: [redacted] | Prescription Serial Number: 10311 | Clinic TCA: [redacted]

PRESCRIPTION: [Pause] [Refresh] [Print] [Proceed to Preparation] [English] [Original Prescription] [Intervened Prescription] [Label] [Label] [Allocate] [Full Supply] [Verify]

CLINIC TCA: [redacted] | Next Collection Mode: Normal Collection | SPUB Out: [] | SPUB R1 Form: [] | Waiting Time: 1:42:10

Next Collection Date: 01/01/2022 | Dispense At: [redacted] | Next Visit Collection: []

Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score: [redacted]

	Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input checked="" type="checkbox"/>	Bisoprolol Fumarate 5 mg Tablet	5 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2.1-1 Medication Order

STEP 1

Click on the checkbox for the selected drug

STEP 2

Click on the button and 'Hold Order - Pharmacist Remarks' screen will display as Figure 3.2.1-2

HOLD ORDER - PHARMACIST REMARKS			
Drug Name	Reason	Other Reason	Remark
Bisoprolol Fumarate 5 mg Tablet	Patient Refused		refuse

Figure 3.2.1-2 Hold Order - Pharmacist Remarks

STEP 3

Select **Hold Reason** from dropdown menu

- Authenticity
- Contraindication
- Drug Interaction
- Inappropriate Dose
- Inappropriate Drug
- Inappropriate Duration
- Inappropriate Frequency
- Incompatibility
- Intervention
- Others
- Patient Refused
- Polypharmacy
- Suggest to Monitor Vital Signs/Lab Result
- Wrong Patient

Note

- Enter **Remark** if required
- If user select reason as **Others**, **Other Reason** field will enable to user fill in the information (if required)

STEP 4

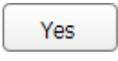
Click on the  button and Confirmation Message will display as Figure 3.2.1-3

CONFIRMATION

 CONF0085: Are you sure to hold this drug ?

Figure 3.2.1-3 Confirmation Message

Note

- Click on the  button
- Status of the drug will change to Acknowledge/Hold (depends on dispensing stage) in red color as shown in Figure 3.2.1-4

PRESCRIPTION													
Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status		
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail		Dr Mu'iz Bin Mohd Hazizan	Acknowledged		
Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail		Dr Mu'iz Bin Mohd Hazizan	Acknowledged		
Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail		Dr Mu'iz Bin Mohd Hazizan	Acknowledged		
Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail		Dr Mu'iz Bin Mohd Hazizan	Acknowledged		
Bisoprolol Fumarate 5 mg Tablet	5 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail		Dr Mu'iz Bin Mohd Hazizan	Acknowledged/Hold		

Figure 3.2.1-4 Hold Order

Resume Drug

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar

ZAINAL ABIDIN BIN RASHID | Mykad: | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: HKL00466888

Address: | Phone And Email: | Diagnosis: | No known Allergies

Height: cm | Weight: kg | BMI/BSA: 0/0 m² | G6PD: | Update (Last Updated:) | Nationality: Warganegara

Demographic | Medication Profile | Pharmacist Notes | Monitoring Parameter | Counselling History | Other Appointment | VAS History

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau

Facility RN Number: | MFlex In:

VISIT RECORD

Queue Series: Normal | Queue No: 2 | Original Pr: **2** | Serial Number: 10311 | Clinic TCA:

PRESCRIPTION

Clinic TCA: | Next Collection Mode: Normal Collection | SPUB Out: SPUB SPUB R1 Form | Waiting Time: 1:57:35

Next Collection Date: 01/01/2022 | Dispense At: | Next Visit Collection:

Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score:

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	
Bisoprolol Fumarate 5 mg Tablet	5 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	

Figure 3.2.1-5 Medication Order

STEP 1

Click on the checkbox for the selected drug with status of Hold

STEP 2

Click on the  button and 'Hold Order - Pharmacist Remarks' screen will display as Figure 3.2.1-5



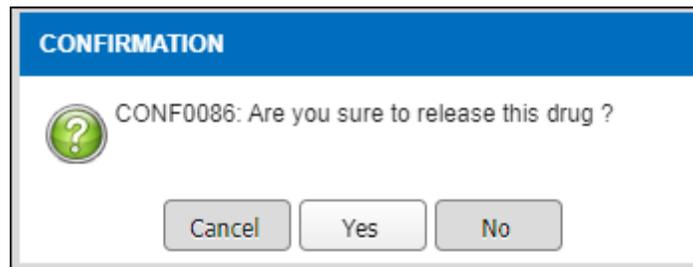
Drug Name	Reason	Other Reason	Remark	Action Taken
Bisoprolol Fumarate 5 mg Tablet	Patient Refused		refuse	

Figure 3.2.1-5 Hold Order - Pharmacist Remarks

STEP 3

Enter **Action Taken** (if required)

Click on the  button and Confirmation Message will display as Figure 3.2.1-6



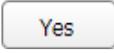
CONFIRMATION

CONF0086: Are you sure to release this drug ?

Cancel Yes No

Figure 3.2.1-6 Confirmation Message

Note

- Click on the  button
- Drug status will change back to Acknowledged for Partial Supply prescription (Screening and Verification screen).
- Drug status will change back to Ordered for New Order prescription (Screening and Verification screen).
- Drug status will change back to Verified (Preparation screen).
- Drug status will change back to Prepared (Dispensing screen)
- Under dispensing screen, there will be an additional button called Error Factor to update errors according to Figure 3.2.1-7 and Figure 3.2.1-8

COUNTERCHECK

i Error Factor Resume X

< < 1 / 1 > > [1 - 1 / 1]

Drug Name	Reason	Selection
Metformin HCl 500 mg Tablet	Wrong Patient Label	<input type="checkbox"/>

Delete

Figure 3.2.1-7 Countercheck

ERROR FACTOR

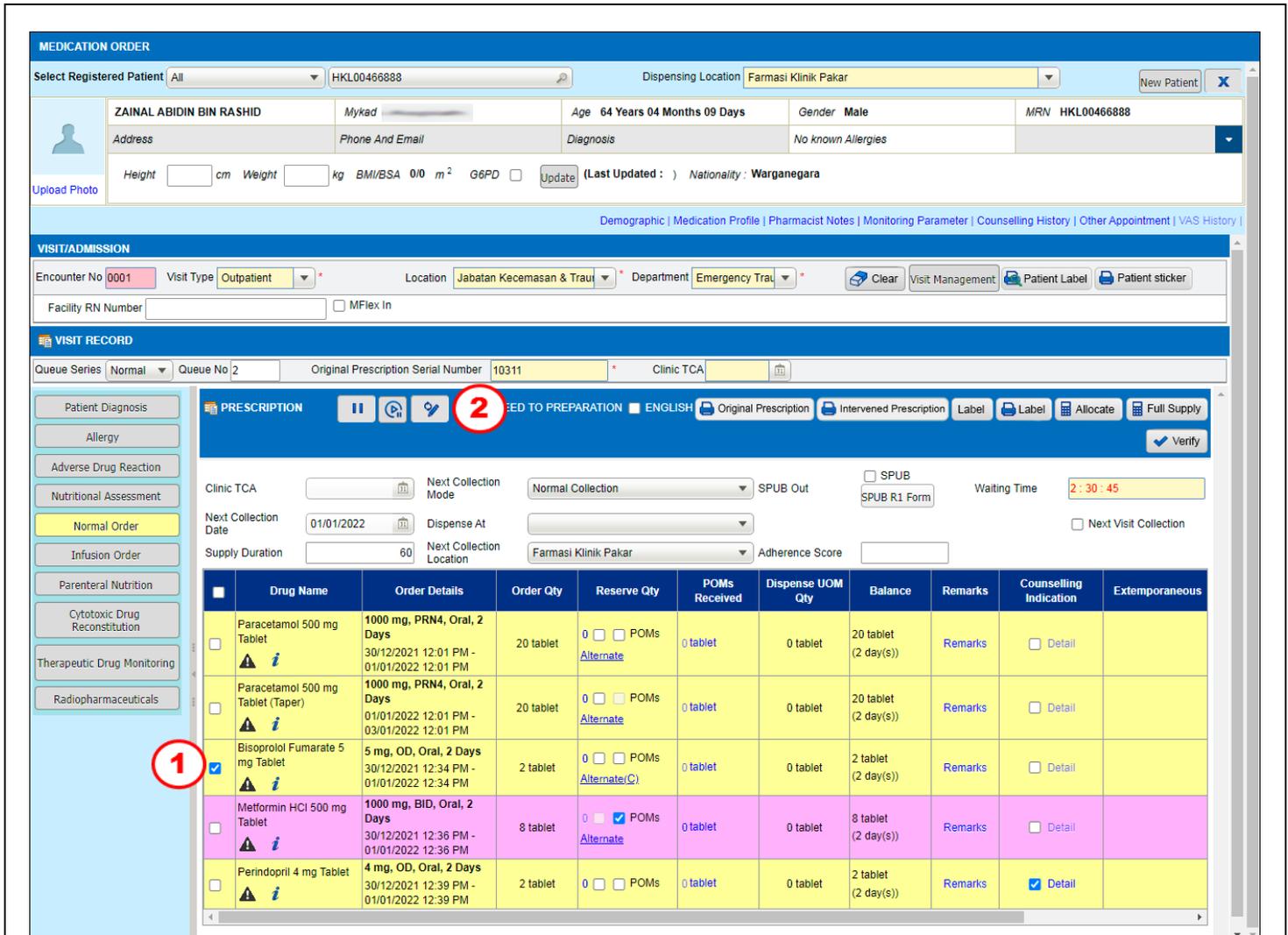
i [1 - 1 / 1]

No	Type of error	Date of Detection	Hold recorded time	Peak hour	Personnel Involved	Arrangement of product	Distraction	Factor		
								Working Environment	Physical Product	Human Factor
1	Wrong Patient Label	18/06/2019	04:03:19 PM	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Assistant Pharmacist <input type="radio"/> Assistant Pharmacist Trainee <input type="radio"/> Pharmacist <input type="radio"/> Provision Registered Pharmacist	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/> Cramped Area <input type="checkbox"/> Disorganized <input type="checkbox"/> Humid <input type="checkbox"/> Lighting <input type="checkbox"/> Noise <input type="checkbox"/> Other	<input type="checkbox"/> Colour <input type="checkbox"/> Other <input type="checkbox"/> Shape <input type="checkbox"/> Similar Product <input type="checkbox"/> Packaging	<input type="checkbox"/> Careless <input type="checkbox"/> Fatigue <input type="checkbox"/> Inexperience <input type="checkbox"/> Other <input type="checkbox"/> Personal Problem <input type="checkbox"/> Stress

Figure 3.2.1-8 Error Factor

3.2.2 Intervention

Perform following step to an Intervention function:



MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient: X

Patient Information:
 ZAINAL ABIDIN BIN RASHID | Mykad: [redacted] | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: HKL00466888
 Address: [redacted] | Phone And Email: [redacted] | Diagnosis: [redacted] | No known Allergies
 Height: [redacted] cm | Weight: [redacted] kg | BMI/BSA: 0/0 m² | G6PD: | Update (Last Updated:) | Nationality: Warganegara

VISIT/ADMISSION
 Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker
 Facility RN Number: [redacted] | MFlex In:

VISIT RECORD
 Queue Series: Normal | Queue No: 2 | Original Prescription Serial Number: 10311 | Clinic TCA: [redacted]

PRESCRIPTION | 2 | RED TO PREPARATION | ENGLISH | Original Prescription | Intervened Prescription | Label | Label | Allocate | Full Supply | Verify

Clinic TCA: [redacted] | Next Collection Mode: Normal Collection | SPUB Out: SPUB | SPUB R1 Form: | Waiting Time: 2 : 30 : 45
 Next Collection Date: 01/01/2022 | Dispense At: [redacted] | Next Visit Collection
 Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score: [redacted]

	Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input checked="" type="checkbox"/>	Bisoprolol Fumarate 5 mg Tablet	5 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	2 tablet	0 <input type="checkbox"/> POMs Alternate(Q)	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2.2-1 Medication Order

STEP 1

Click on the checkbox for the selected drug

STEP 2

Click on the  button and Intervention screen will display as Figure 3.2.2-2

INTERVENTION

Modify with Reason ■ Reason only ■ Modify without Reason
X

PHARMACY REMARKS
5

Drug Name: Order Detail: Reset

INTERVENTION

Selection	Intervention Reason	Remarks	Prescription		Dispensing Process	
			Accepted	Not Accepted	Accepted	Not Accepted
<input type="checkbox"/>	Authenticity		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Contraindication		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Interaction		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Not In Formulary		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input checked="" type="checkbox"/>	Inappropriate Dose	Change dose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Drug		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Duration		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Frequency		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

INTERVENTION

Selection	Intervention Reason	Remarks	Prescription		Dispensing Process	
			Accepted	Not Accepted	Accepted	Not Accepted
<input type="checkbox"/>	Incomplete Rx - Dose		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Dr's Stamp and Sign		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Drug		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Duration		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Frequency		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Patient Data		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Others		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Polypharmacy		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

MODIFY ORDER

Drug Name	Dosage	Route	Frequency	Duration	Prescribed Qty	Start Date	End Date	Reasons
Bisoprolol Fumarate 5 mg Tablet	5 mg	Oral	OD (once daily)	2 Days	2 tablet	30/12/2021 12:34 f	01/01/2022 12:34 PM	<input type="button" value="+"/>

Figure 3.2.2-2 Intervention

STEP 3

Select the **Intervention Reason** by click on the **Selection** checkbox

Note

- **Intervention By Doctor** : Intervention made by prescriber (Doctor's)
- **Intervention By Pharmacist** : Intervention made by Pharmacist after consulting prescriber

STEP 4

Enter the **Remarks** and select either **Intervention Accepted** or **Intervention Not Accepted**

STEP 5

Click on the button to save the changes made

PB_U.MANUAL_OP-12th E

Page 50

7
i

■ Modify with Reason
 ■ Reason only
■ Modify without Reason

PHARMACY REMARKS

Drug Name Order Detail

INTERVENTION

Selection	Intervention Reason	Remarks	Prescription		Dispensing Process	
			Accepted	Not Accepted	Accepted	Not Accepted
<input type="checkbox"/>	Authenticity		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Contraindication		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Interaction		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Drug Not In Formulary		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Dose		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Drug		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Duration		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Inappropriate Frequency		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

INTERVENTION

Selection	Intervention Reason	Remarks	Prescription		Dispensing Process	
			Accepted	Not Accepted	Accepted	Not Accepted
<input type="checkbox"/>	Incomplete Rx - Dose		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Dr's Stamp and Sign		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Drug		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Duration		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Frequency		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Incomplete Rx - Patient Data		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Others		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="checkbox"/>	Polypharmacy		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

MODIFY ORDER

Drug Name	Dosage	Route	Frequency	Duration	Prescribed Qty	Start Date	End Date	Reasons
Bisoprolol Fumarate 5 mg Tablet	5 mg	Oral	OD (once daily)	2 Days	2 tablet	30/12/2021 12:34 f	01/01/2022 12:34 PM	<input type="button" value="+"/>

Figure 3.2.2-3 Intervention

STEP 6

Change the Order details as required

Note

- Background color for the drugs change from grey to Yellow, means the records is being updated on the intervention reason but no modification been done.
- There were also some color indicator highlighted for a drug row, when user do the intervention:
 - i. **GREEN**- Modify with Intervention Reason:- user able to save changes.
 - ii. **YELLOW**- Add Reason only:- user able to save changes.
 - iii. **RED**-Modify without Reason:- user are not able to save changes. User need to add in at least one reason to save changes
- User is allowed to change the Dosage, Frequency and Duration.

STEP 7

Click on the  button to confirm the intervention

Note

Once the order has been successfully modified, a blue hyperlink with the intervention information will be display as Figure 3.2.2-4

PRESCRIPTION [Pause] [Refresh] [Tools] [PROCEED TO PREPARATION] [ENGLISH] [Original Prescription] [Intervened Prescription] [Label] [Label] [Allocate] [Full Supply] [Verify]

Clinic TCA: [Dropdown] Next Collection Mode: Normal Collection SPUB Out: SPUB
 Next Collection Date: 01/01/2022 Dispense At: [Dropdown] SPUB R1 Form: Waiting Time: 2:47:32
 Supply Duration: 60 Next Collection Location: Farmasi Klinik Pakar Adherence Score: [Input] Next Visit Collection

<input type="checkbox"/>	Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Bisoprolol Fumarate 5 mg Tablet	10 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	4 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	4 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2.2-4 Updated Prescription

3.2.3 Alternate Drug

This function allows user to dispense different drugs from existing ordered drug with condition, alternate drug should contain same active ingredient and same administration route.

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient X

ZAINAL ABIDIN BIN RASHID | Mykad: [redacted] | Age: 64 Years 04 Months 09 Days | Gender: Male | M/RN: HKL00466888

Address: [redacted] | Phone And Email: [redacted] | Diagnosis: [redacted] | No known Allergies

Height: [redacted] cm | Weight: [redacted] kg | BMI/BSA: 0/0 m² | G6PD: | Update (Last Updated:) | Nationality: Warganegara

Demographic | Medication Profile | Pharmacist Notes | Monitoring Parameter | Counselling History | Other Appointment | VAS History

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker

Facility RN Number: [redacted] | MFlex In:

VISIT RECORD

Queue Series: Normal | Queue No: 2 | Original Prescription Serial Number: 10311 | Clinic TCA: [redacted]

PRESCRIPTION

PROCEED TO PREPARATION | ENGLISH | Original Prescription | Intervened Prescription | Label | Label | Allocate | Full Supply | Verify

Clinic TCA: [redacted] | Next Collection Mode: Normal Collection | SPUB Out: SPUB | SPUB R1 Form: | Waiting Time: 2:47:32

Next Collection Date: 01/01/2022 | Dispense At: [redacted] | Next Visit Collection

Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score: [redacted]

	Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate 1	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Bisoprolol Fumarate 5 mg Tablet	10 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	4 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	4 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2.3-1 Medication Order

STEP 1

Click on the [Alternate](#) hyperlink and Alternate Drug Details will display as Figure 3.2.3-2

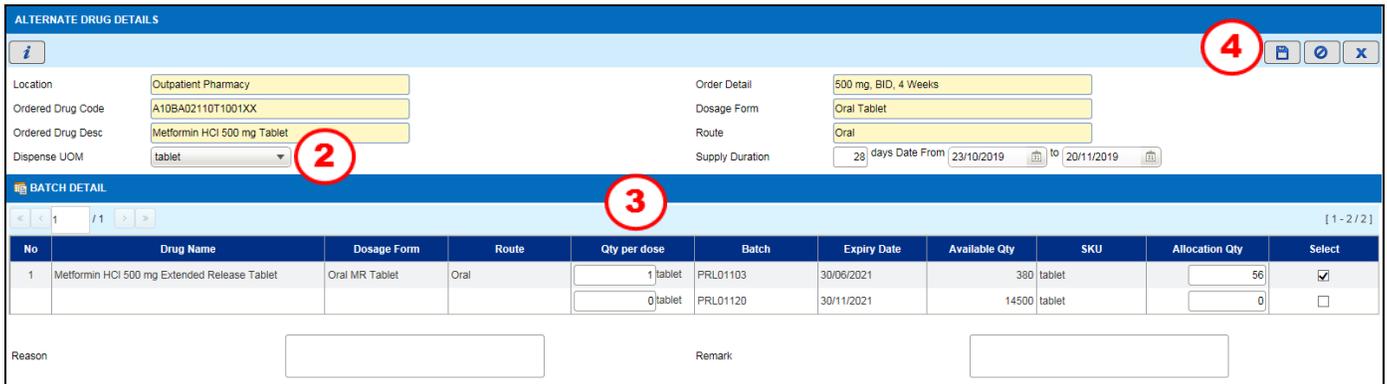


Figure 3.2.3-2 Alternate Drug Details

STEP 2

Select **Dispense UOM** from dropdown menu

STEP 3

Enter **Qty per dose**

Note

Allocation Qty will be automatically calculate based on value entered for **Qty per dose** and user is allowed to change the value

STEP 4

Click on the  button and Information Message will display as Figure 3.2.3-3

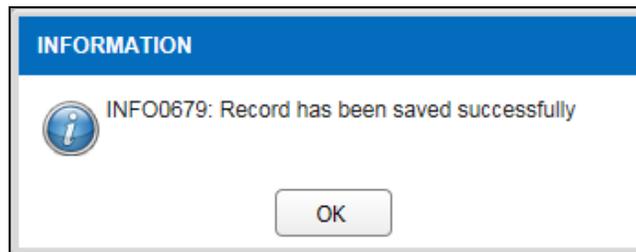


Figure 3.2.3-3 Information Message

Note

- Click on the  button
- Alternate drug will display as green color as Figure 3.2.3-4



PRESCRIPTION												
PROCEED TO PREPARATION ENGLISH Prescription Label Label Allocate Full Supply Verify												
Clinic TCA		Next Collection Mode		Normal Collection		<input type="checkbox"/> SPUB		SPUB R1 Form		Waiting Time		0 : 7 : 59
Next Collection Date		Dispense At				<input type="checkbox"/> Next Visit Collection						
Supply Duration		Next Collection Location		Outpatient Pharmacy		Adherence Score						
	Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status
<input type="checkbox"/>	Simvastatin 10 mg Tablet	10 mg, OD, Oral, 4 Weeks 23/10/2019 03:14 PM - 20/11/2019 03:14 PM	28 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tab	28 tablet (28 day(s))	Remarks	<input type="checkbox"/> Detail			Acknowledged
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	500 mg, BID, Oral, 4 Weeks 23/10/2019 03:15 PM - 20/11/2019 03:15 PM	56 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail			Acknowledged
Metformin HCl 500 mg Extended Release Tablet				56 tablet								

Figure 3.2.3-4 Updated Prescription

3.2.4 Alternate & Combination Drug

A combination of ordered drugs and alternative drugs with the same active ingredient, administration route and dosage form.

MEDICATION ORDER

Select Registered Patient: All | HSM000017 | Dispensing Location: Outpatient Pharmacy

Mykad: [REDACTED] | Age: 35 Years 02 Months 25 Days | Gender: Female | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: [REDACTED] cm | Weight: [REDACTED] kg | BMI/BSA: 0/0 m² | G6PD: [REDACTED] | Nationality: Warganegara

VISIT/ADMISSION

Queue Series: Normal | Queue No: [REDACTED] | Original Prescription Serial Number: RX89765-8976

PRESCRIPTION

PROCEED TO PREPARATION | ENGLISH | Prescription | Label | Label | Allocate | Full Supply | Verify

Clinic TCA: [REDACTED] | Next Collection Mode: Normal Collection | SPUB/SPUB R1 Form: [REDACTED] | Waiting Time: 0:0:13

Next Collection Date: [REDACTED] | Dispense At: [REDACTED] | Next Visit Collection: [REDACTED]

Supply Duration: 28 | Next Collection Location: Outpatient Pharmacy | Adherence Score: [REDACTED]

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status
Warfarin Sodium 5 mg Tablet	5 mg, OV, Oral, 4 Weeks 23/10/2019 03:56 PM - 20/11/2019 03:56 PM	28 mg	0 <input type="checkbox"/> POMs	0 mg	0 mg	28 mg (28 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Acknowledged
Metformin HCl 500 mg Tablet	500 mg, BID, Oral, 4 Weeks 23/10/2019 03:57 PM - 20/11/2019 03:57 PM	56 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tab	56 tablet (28 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Acknowledged
Simvastatin 40 mg Tablet	80 mg, ON, Oral, 4 Weeks 23/10/2019 03:57 PM - 20/11/2019 03:57 PM	56 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tab	56 tablet (28 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Acknowledged

Figure 3.2.4-1 Medication Order

STEP 1

Click on the [Alternate\(C\)](#) hyperlink and Alternate Drug Details will display as Figure 3.2.4-2

ALTERNATE DRUG DETAILS

Location: Outpatient Pharmacy | Order Detail: 5 mg, OV, 4 Weeks

Ordered Drug Code: B01AA03520T1004XX | Dosage Form: Oral Tablet

Ordered Drug Desc: Warfarin Sodium 5 mg Tablet | Route: Oral

Dispense UOM: mg | Supply Duration: 28 days Date From: 23/10/2019 to 20/11/2019

BATCH DETAIL

No	Drug Name	Dosage Form	Route	Qty per dose	Batch	Expiry Date	Available Qty	SKU	Allocation Qty	Select
1	Warfarin Sodium 5 mg Tablet	Oral Tablet	Oral	0 mg	LJNW5875	31/07/2021	7954 mg		0	<input type="checkbox"/>
2	Warfarin Sodium 1 mg Tablet	Oral Tablet	Oral	1 tablet	NJ9179	31/10/2020	3260 tablet		28	<input checked="" type="checkbox"/>
				0 tablet	NJ9180	31/10/2020	2497 tablet		0	<input type="checkbox"/>
				0 tablet	87687687	02/01/2021	2192 tablet		0	<input type="checkbox"/>
				0 tablet	NP1752	28/02/2021	2500 tablet		0	<input type="checkbox"/>
3	Warfarin Sodium 2 mg Tablet	Oral Tablet	Oral	2 tablet	NJ9156	30/09/2020	3997 tablet		56	<input checked="" type="checkbox"/>
				0 tablet	NK5085	30/09/2020	497 tablet		0	<input type="checkbox"/>
				0 tablet	NP7108	31/03/2021	3500 tablet		0	<input type="checkbox"/>

Reason: [REDACTED] | Remark: [REDACTED]

Figure 3.2.4-2 Alternate Drug Details

STEP 2

Select **Dispense UOM** from dropdown menu (if applicable)

STEP 3

Enter **Qty per dose** for the selected drug to combine

Note

Allocation Qty will be automatically calculate based on value entered for **Qty per dose** and user is allowed to change the value

STEP 4

Click on the  button and Information Message will display as Figure 3.2.4-3

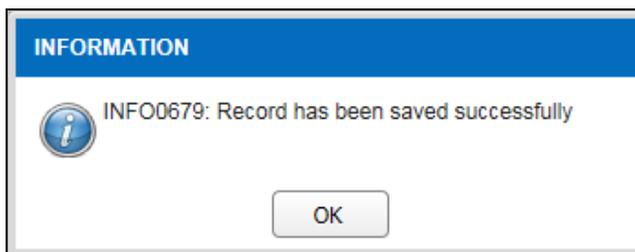
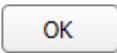


Figure 3.2.4-3 Information Message

Note

- Click on the  button
- Alternate & Combination drug will display as green color as Figure 3.2.4-4

PRESCRIPTION												
Clinic TCA		Next Collection Mode	Normal Collection	POMs Received		Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status
<input type="checkbox"/>	Warfarin Sodium 5 mg Tablet	5 mg, OV, Oral, 4 Weeks 23/10/2019 03:56 PM - 20/11/2019 03:56 PM	28 mg	0 <input type="checkbox"/> POMs Alternate(C)	0 mg	0 mg	0 mg (0 day(s))	Remarks	<input type="checkbox"/> Detail			Acknowledged
	Warfarin Sodium 1 mg Tablet			28 tablet								
	Warfarin Sodium 2 mg Tablet			56 tablet								
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	500 mg, BID, Oral, 4 Weeks 23/10/2019 03:57 PM - 20/11/2019 03:57 PM	56 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tab	56 tablet (28 day(s))	Remarks	<input type="checkbox"/> Detail			Acknowledged
<input type="checkbox"/>	Simvastatin 40 mg Tablet	80 mg, ON, Oral, 4 Weeks 23/10/2019 03:57 PM - 20/11/2019 03:57 PM	56 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tab	56 tablet (28 day(s))	Remarks	<input type="checkbox"/> Detail			Acknowledged

Figure 3.2.4-4 Updated Prescription

3.2.5 Patient Own Medication (POMs Drug)

This function is for dispense Own Medication drug where no stock will be deducted from inventory.

MEDICATION ORDER

Select Registered Patient: All | HKL00466888 | Dispensing Location: Farmasi Klinik Pakar | New Patient X

PATIENT INFORMATION:
 ZAINAL ABIDIN BIN RASHID | Mykad: [REDACTED] | Age: 64 Years 04 Months 09 Days | Gender: Male | MRN: HKL00466888
 Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies
 Height: [REDACTED] cm | Weight: [REDACTED] kg | BMI/BSA: 0/0 m² | G6PD: [REDACTED] | Update (Last Updated:) | Nationality: Warganegara

VISIT/ADMISSION:
 Encounter No: 0001 | Visit Type: Outpatient | Location: Jabatan Kecemasan & Trau | Department: Emergency Trau | Clear | Visit Management | Patient Label | Patient sticker
 Facility RN Number: [REDACTED] | MFlex In: [REDACTED]

VISIT RECORD:
 Queue Series: Normal | Queue No: 2 | Original Prescription Serial Number: 10311 | Clinic TCA: [REDACTED]

PRESCRIPTION: PROCEED TO PREPARATION | ENGLISH | Original Prescription | Intervened Prescription | Label | Label | Allocate | Full Supply | Verify

CLINIC TCA: [REDACTED] | Next Collection Mode: Normal Collection | SPUB Out: [REDACTED] | SPUB: [REDACTED] | SPUB R1 Form: [REDACTED] | Waiting Time: 2:47:32

Next Collection Date: 01/01/2022 | Dispense At: [REDACTED] | Next Visit Collection: [REDACTED]

Supply Duration: 60 | Next Collection Location: Farmasi Klinik Pakar | Adherence Score: [REDACTED]

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Days 30/12/2021 12:01 PM - 01/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Paracetamol 500 mg Tablet (Taper)	1000 mg, PRN4, Oral, 2 Days 01/01/2022 12:01 PM - 03/01/2022 12:01 PM	20 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Bisoprolol Fumarate 5 mg Tablet	10 mg, OD, Oral, 2 Days 30/12/2021 12:34 PM - 01/01/2022 12:34 PM	4 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	4 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 2 Days 30/12/2021 12:36 PM - 01/01/2022 12:36 PM	8 tablet	0 <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	8 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail	
Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Days 30/12/2021 12:39 PM - 01/01/2022 12:39 PM	2 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	2 tablet (2 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.2.5-1 Medication Order

Note
Drug that recorded as Own Medication in record prescription will display by purple in color as shown in Figure 3.2.5-1

STEP 1

Click on the POMs Received hyperlink and POMs Received Quantity and Label Printing screen will display as Figure 3.2.5-2

POMS RECEIVED QUANTITY AND LABEL PRINTING

POMs Label | [REDACTED] | X

Drug Name	Metformin HCl 500 mg Tablet	Default SKU	tablet
Order Details	1000 mg, BD (twice daily), Oral Tablet, Oral, 30/12/2021 (2 Days)	POMs Received Quantity	10

Figure 3.2.5-2 POMs Received Quantity and Label Printing

STEP 2

Enter **POMs Received Quantity**

Note

POMs Received Quantity field will always be editable by user

STEP 3

Click on the  button and Confirmation Message will display as Figure 3.2.5-3

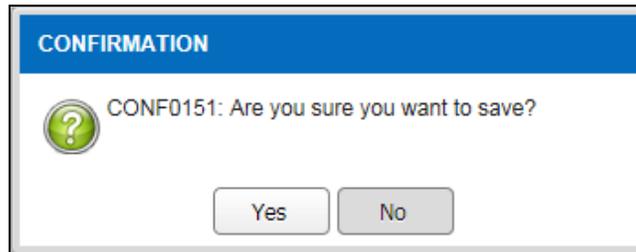


Figure 3.2.5-3 Confirmation Message

Note

- Click on the  button and Information Message will display as Figure 3.2.5-4

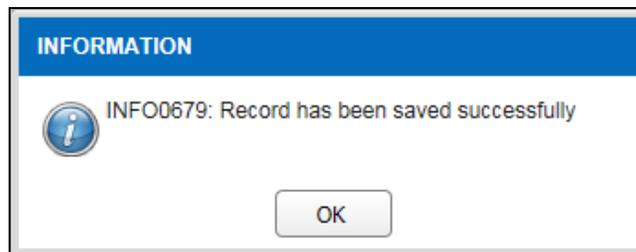
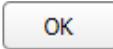


Figure 3.2.5-4 Information Message

- Click on the  button and user is allowed to print POMs Label

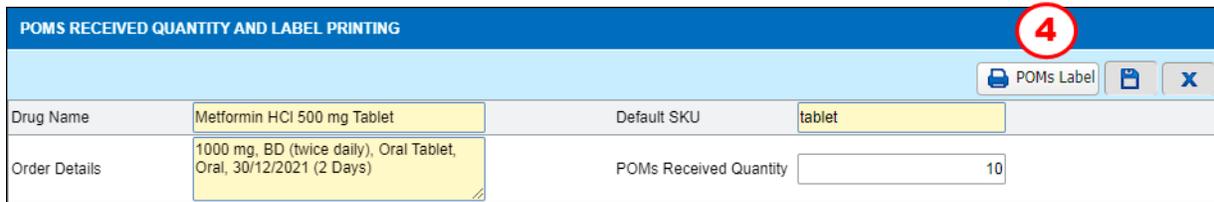
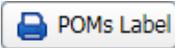


Figure 3.2.5-5 POMs Received Quantity and Label Printing

STEP 4

Click on the  button to view/print POMs Label

Note

User is allowed to print **POMs Label** at any cycle of dispensing and able to change **POMs Received Quantity** value

HOSPITAL KUALA LUMPUR (Tel: 0326155555)	
PATIENT'S OWN MEDICINES (POMs)	
ZAINAL ABIDIN BIN RASHID	
HKL00466888	Jabatan Kecemasan & Trauma
Metformin HCl 500 mg Tablet	
Ambil 2 biji 2 kali sehari	
-	
Sila ambil ubat SELEPAS makan. Telan ubat. Jangan kunyah/hancurkan ubat. Jangan berhenti ambil ubat ini tanpa nasihat doktor.	
30/12/2021	Kuantiti 10 biji
UBAT TERKAWAL	30/12/2021 04:38 PM

Figure 3.2.5-6 POMs Label

Note

- System allow user to update from POMs to Normal Drug and from Normal Drug to POMs
- User is allowed to update/remove the POMs flag for new order only
- Updating POMs flag can be done one time only
- Once record has been partial supply, system will not allow user to update POMs flag. User need to cancel or re-order the prescription

Remove POMs Drug:

MEDICATION ORDER

Select Registered Patient: All [Patient ID] Dispensing Location: Outpatient Pharmacy [New Patient]

AXXXXX XXX XXXXX Mykad: [ID] Age: 41 Years 04 Months 27 Days Gender: Male MRN: [ID]
 Address: [Address] Phone And Email: [Phone] Diagnosis: [Diagnosis] No known Allergies
 Height: 20 cm Weight: 12 kg BMI/BSA: 300 / 0.26 m² G6PD: [] Update (Last Updated: 23/10/2019) Nationality: Warganegara

VISIT RECORD

Queue Series: Normal Queue No: [] Original Prescription Serial Number: RX876009-887642 *Clinic TCA

Patient Diagnosis: [] Allergy: [] Adverse Drug Reaction: [] Nutritional Assessment: [] Normal Order: [] Infusion Order: [] Parenteral Nutrition: [] Cytotoxic Drug Reconstitution: [] Therapeutic Drug Monitoring: [] Radiopharmaceuticals: []

PRESCRIPTION

Clinic TCA: [] Next Collection Mode: Normal Collection [] SPUB SPUB R1 Form: [] Waiting Time: 2:24:6
 Next Collection Date: 22/11/2019 [] Dispense At: [] Next Visit Collection: []
 Supply Duration: 30 Next Collection Location: Outpatient Pharmacy Adherence Score: []

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status
Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tab	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		[]	Acknowledged
Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tab	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		[]	Acknowledged
Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		[]	Acknowledged
Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	540 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		[]	Acknowledged

Figure 3.2.5-7 Medication Order

STEP 1

Uncheck POMs checkbox and Confirmation Message will display as Figure 3.2.5-8

CONFIRMATION

CONF7280: Do you want to update this POMs flag?

Figure 3.2.5-8 Medication Order

Note

- Click on the button and the drug will be updated to Normal Drug as shown in Figure 3.2.5-8

PHARMACY ORDER

Clinic TCA: No. of Days: 0 Current Collection Mode: Normal Collection SPUB Out: SPUB SPUB R1 Form

Next Collection Date: 13/01/2022 Total Patient: 5 Next Collection Mode: Normal Collection

Supply Duration: 30 Days Next Collection Location: FARMASI KLINIK PAKAR Dispense At: Pharmacy Counter

Adherence Score: MPR: [History](#) Next Dispense At: Pharmacy Counter

PRESCRIPTION

ENGLISH
PROCEED TO PREPARATION
Label
Label
Full Supply
Allocate
Verify

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	
<input type="checkbox"/>	Frusemide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	30 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	180 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn

Figure 3.2.5-8 Updated Prescription

- after remove POMs flag, color background will remain pink color
- POMs Received will be automatically change to '0'
- After remove POMs flag, color background will remain pink color.
- To differentiate that this pink color is a normal drug or POMS drug, refer below:
 - If **pink color background** and **checkbox POMs is ticked** – **POMS drug**
 - If **pink color background** and **checkbox POMs is unticked** – **normal drug**
- POMs Received will be automatically change to '0'
- User is allowed to update back to POM's checkbox

Update POMs Drug (Normal to POM's):

PHARMACY ORDER

Clinic TCA: No. of Days: 0 Current Collection Mode: Normal Collection SPUB Out: SPUB SPUB R1 Form

Next Collection Date: 13/01/2022 Total Patient: 5 Next Collection Mode: Normal Collection

Supply Duration: 30 Days Next Collection Location: FARMASI KLINIK PAKAR Dispense At: Pharmacy Counter

Adherence Score: MPR: [History](#) Next Dispense At: Pharmacy Counter

PRESCRIPTION

ENGLISH
PROCEED TO PREPARATION
Label
Label
Full Supply
Allocate
Verify

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	
<input type="checkbox"/>	Frusemide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> POM	1 <input type="checkbox"/> POM	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	30 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	180 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn

Figure 3.2.5-9 Screening and Verification

STEP 1

Click on the POMs checkbox for the selected normal drug and Confirmation Message will display as Figure 3.2.5-10

CONFIRMATION

?
CONF7280: Do you wants to update this POMs flag?

Cancel
Yes
No

Figure 3.2.5-10 Confirmation Message

Note

- Click on the Yes button and the drug will be updated to POMs Drug and color background will change to pink color as shown in Figure 3.2.5-11

PRESCRIPTION												
 🔄 🔍 ENGLISH PROCEED TO PREPARATION Label Label Full Supply Allocate Verify												
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name
<input type="checkbox"/>	Frusemide 40 mg Tablet 	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet 	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn
<input type="checkbox"/>	Paracetamol 500 mg Tablet 	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	0 tablet	0 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	30 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet 	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	180 tablet (90 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn

Figure 3.2.5-12 Updated Prescription

- User can proceed to update POMs Received quantity and view/print POMs Label
- User is allowed to update back POMs to normal drug by uncheck on POMs checkbox
- Once user update POMs to normal drug, color background will remain pink color
- To differentiate that this pink color is a normal drug or POMS drug, refer below:
 - If **pink color background** and **checkbox POMs is ticked** – **POMS drug**
 - If **pink color background** and **checkbox POMs is unticked** – **normal drug**
- Once user click on the button to verify the prescription, system will display Confirmation Message as Figure 3.2.5-13

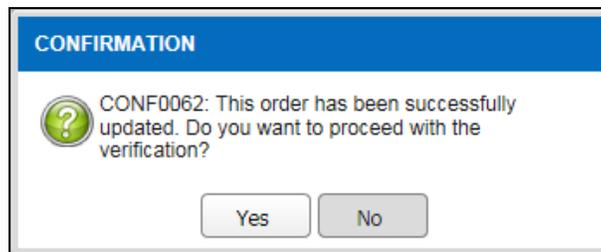


Figure 3.2.5-13 Confirmation Message

- Click on the button to proceed with verification

Partial Supply (Update from POMs to Normal Drug)

Open partial supply record at Screening and verification where prescription contain POMs drug from previous dispensing

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	
<input type="checkbox"/>	Frusemide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	1 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	180 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	30 tablet (14/12/2021)	0 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail			Partia
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	10 tablet (14/12/2021)	0 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail			Partia

Figure 3.2.5-14 Screening and Verification

STEP 1

Uncheck POMs checkbox and Confirmation Message will display as Figure 3.2.5-15

Figure 3.2.5-15 Confirmation Message

Note

- Click on the button and the drug will be updated to Normal Drug as shown in Figure 3.2.5-16

PRESCRIPTION												
 ↺ ↻ ENGLISH PROCEED TO PREPARATION Label Label Full Supply Allocate Verify												
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name
<input type="checkbox"/>	Fruzemide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	120 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail		Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	30 tablet (14/12/2021)	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		Partic
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	10 tablet (14/12/2021)	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		Partic

Figure 3.2.5-16 Updated Prescription

- After remove POMs flag, color background will remain pink color.
- To differentiate that this pink color is a normal drug or POMS drug, refer below:
 - If **pink color background** and **checkbox POMs is ticked** – **POMS drug**
 - If **pink color background** and **checkbox POMs is unticked** – **normal drug**
- Balance quantity will be auto calculate based on the balance by deduct POMs quantity that user has given in first dispensing. Example:
 - Order POMs drug with frequency OD for 5 days
 - Allocate POMs Reserve Quantity for 3 days = 3 tablets (previous dispensing)
 - At partial dispensing, after change POMs to normal and balance quantity will become 2 tablets for 2 days remaining
- User is allowed to update back to POM's by click on POM's checkbox

Partial Supply (Update from Normal Drug to POMs)

Open partial supply record at Screening and verification

PHARMACY ORDER

Clinic TCA: [Field] No. of Days: 0 Current Collection Mode: Normal Collection SPUB Out: SPUB SPUB R1 Form

Next Collection Date: 10/02/2022 Total Patient: 3 Next Collection Mode: Normal Collection

Supply Duration: 30 Days Next Collection Location: FARMASI KLINIK PAKAR Dispense At: Pharmacy Counter

Adherence Score: [Field] MPR: 0 History Next Dispense At: Pharmacy Counter

PRESCRIPTION

ENGLISH PROCEED TO PREPARATION Label Label Full Supply Allocate Verify

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	
<input type="checkbox"/>	Frusamide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs Alternate	0 tablet	0 tablet	180 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	30 tablet (14/12/2021)	0 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Partia
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	10 tablet (14/12/2021)	0 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Partia

Figure 3.2.5-17 Screening and Verification

STEP 1

Click on the POMs checkbox for the selected normal drug and Confirmation Message will display as Figure 3.2.5-18

CONFIRMATION

CONF7280: Do you want to update this POMs flag?

Figure 3.2.5-18 Confirmation Message

Note

- Click on the button and the drug will be updated to POMs Drug and color background will change to pink color as shown in Figure 3.2.5-19

PRESCRIPTION													
ENGLISH PROCEED TO PREPARATION Label Label Full Supply Allocate Verify													
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	
<input type="checkbox"/>	Frusemide 40 mg Tablet	40 mg, OM, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	90 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Amoxicillin 500 mg Clavulanate 125 mg Tablet	625 mg, Q12H, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	180 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	120 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail			Ackn
<input type="checkbox"/>	Lorazepam 1 mg Tablet	1 mg, HS, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	90 tablet	30 tablet (14/12/2021)	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail			Parti
<input type="checkbox"/>	Paracetamol 500 mg Tablet	2 tablet, PRN, Oral, 3 Months 14/12/2021 11:59 AM - 14/03/2022 11:59 AM	30 tablet	10 tablet (14/12/2021)	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	20 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail			Parti

Figure 3.2.5-20 Updated Prescription

- User can proceed to update POMs Received quantity and view/print POMs Label
- User is allowed to update back POMs to normal drug by uncheck on POMs checkbox
- Once user update POMs to normal drug, color background will remain pink color
- To differentiate that this pink color is a normal drug or POMS drug, refer below:
 - If **pink color background** and **checkbox POMs is ticked** – **POMS drug**
 - If **pink color background** and **checkbox POMs is unticked** – **normal drug**

3.3 Preparation

This function is used to prepare medication after it has verified and before can be dispense to the patient

Figure 3.3-1 Preparation

STEP 1

Click on 'Pharmacy Transaction' Menu and click on 'Dispensing' sub menu follow by 'Normal'

STEP 2

Click on 'Outpatient' then click on 'Preparation'

Note

Various search criteria are provided as below:

Basic Search			
No	Field	Description	Remark
a	Show All	Check box	Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location assigned to the user)	Able to filter and search patient's record by dispensing location
c	Patient Name	Name of Patient	Allow to search by patient name
d	Order Type	- All - Normal - SPUB - Discharge - Referred Patient	Able to filter and search patient's record name by order type
e	MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
f	Mode of Services	- All	Allow user to search by patient registered with

		<ul style="list-style-type: none"> - Appointment Card - Email and Take - Fax and Take - Home Visit - Leave and Collect - Normal Collection - Others - SMS and Take - Telephone and Take - UMP 	value added services for next collection
g	Order Status	<ul style="list-style-type: none"> - All - New Order - Partial Supply 	Able to filter the order by order status
h	IC No/Other Identification	Identification Number	Allow to search by full or partial ID Number
i	Prescription Status	<ul style="list-style-type: none"> - All - Hold - Expired 	Able to filter by prescription status
Advanced Search			
j	Order Location	Order location. (It will list down all active visit location)	Able to filter and search patient's record by order location
k	Order Location Type	<ul style="list-style-type: none"> - All - Clinic - Day Care - ER - Nursing Unit - Pharmacy 	Able to filter and search patient's record by order location type
l	Order Date from	Order date from	Able to filter and search patient's record by order date from
m	Order Date To	Order date to	Able to filter and search patient's record by order date to
n	Next Supply From	Next supply from date	Able to filter and search patient's record by next supply from date
o	Next Supply To	Next supply to date	Able to filter and search patient's record by next supply to date
p	Queue Date	Queue Date	Able to patient's record by queue date
q	Queue Series	<ul style="list-style-type: none"> - All - Normal - Express - Special - Others 	Able to filter and search patient's record by Queue series
r	Queue No	Queue No	Able to filter and search by Queue No
s	Next Dispense At	<ul style="list-style-type: none"> - All - Drive Through Counter - Pharmacy Counter - Bedside - Locker for You - PPUSS 	

Table 3.3-1

STEP 3

Click on the button to search the patient

Note

Search result of current order patient list will be displayed:

- Queue No
- MRN
- Patient Name
- Queue Series
- Order Date Time
- Order Location
- Current Collection Mode
- Next Collection Date
- Order Type
- Prescription Status
- Arrival Time
- Waiting Time

STEP 4

Double click on the selected patient's name

PREPARATION

Patient Label
 Print Original Prescription
 PCI
 CP4
 X

	AXXXXX XXX XXXXX	Mykad	Age 41 Years 04 Months 28 Days	Gender Male	MRN
Address		Phone And Email		Diagnosis	
Height <input type="text" value="20"/> cm		Weight <input type="text" value="12"/> kg		BMI/BSA 300 / 0.26 m ²	
Update: (Last Updated : 23/10/2019) Nationality : Warganegara					

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) | [ADR](#)

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000624807 Order By:

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: AXXXXX XXX XXXXX Relationship: Patient

Clinic TCA: <input type="text"/>	No. of Days: 0	Current Collection Mode: Normal Collection	Dispense At: Pharmacy Counter
Next Collection Date: 22/11/2019	Total Patient: 1	Next Collection Mode: Normal Collection	Next Dispense At: Pharmacy Counter
Supply Duration: 30 Days		Next Collection Location: Outpatient Pharmacy	<input type="checkbox"/> SPUB <input type="checkbox"/> SPUB R1 Form
Adherence Score: <input type="text"/>	MPR: <input type="text"/>		

5

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail			Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail			Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail			Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail			Verified

Figure 3.3-2 Preparation

STEP 5

Click on the button to proceed with preparation and Confirmation Message will display as shown in Figure 3.3-3

Note

- Reserve quantity will be auto allocate depends on the order quantity or supply duration. Click on the reserve quantity to allocate manually.
- Adherence score field is available. User can enter the score between 1- 8. User is allowed to enter decimal value up to 2 decimal points.
- Adherence score is available in the following screen
 - a) Screening and verification
 - b) Preparation
 - c) Dispensing
 - d) Single Stage
- Medication Possession Rate (MPR) value will be calculated for partial supply prescription only.
- MPR Formula:
 - i. To count MPR for all active drugs but display minimum MPR at prescription level.
 - ii. Exemption of MPR calculation for drug with PRN frequency

$$\% \text{ MPR} = \frac{\text{Supply Duration}}{\text{Duration between previous supply start date until current date}}$$

Example

Scenario 1:

Previous dispensing done on 5/3/2017 for few drugs:

- Drug A, TDS
Previous supply start on 5/3/2015 for 30 days
Current date is 20/3/2017.
 - Supply duration = 30 days
 - Duration between previous start and current = 5/3/2017 to 20/3/2017 = 15 days
 - Drug MPR = $(30/15) \times 100 = \underline{200}$
- Drug B, BD
Previous supply start on 7/3/2015 for 40 days
Current date is 20/3/2017.
 - Supply duration = 40 days
 - Duration between previous start and current = 7/3/2017 to 20/3/2017 = 13 days
 - Drug MPR = $(40/13) \times 100 = \underline{308}$

MPR at prescription level = minimum MPR for all active drug = 200

Scenario 2: (Exemption for PRN frequency)

Previous dispensing done on 5/3/2017 for few drugs:

- Drug A, PRN
Previous supply start on 5/3/2015 for 30 days
Current date is 20/3/2017.
 - Supply duration = 30 days
 - Duration between previous start and current = 5/3/2017 to 20/3/2017 = 15 days
 - Drug MPR = $(30/15) \times 100 = \underline{N/A}$

- Drug B, BD,
Previous supply start on 7/3/2015 for 40 days
Current date is 20/3/2017.
 - Supply duration = 40 days
 - Duration between previous start and current = 7/3/2017 to 20/3/2017 = 13 days
 - Drug MPR = $(40/13) \times 100 = \underline{308}$

MPR at prescription level = minimum MPR for all active drug = 308

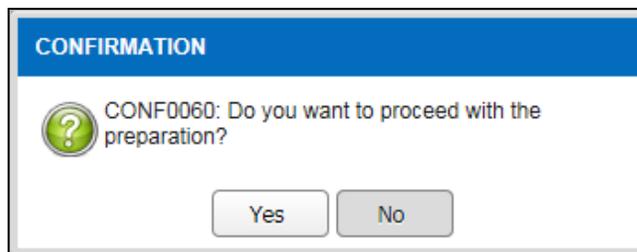
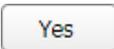


Figure 3.3-3 Confirmation Message

Note

Click on the  button to prepare the prescription and preparation screen will close automatically



3.3.1 Allocate Quantity

This function allow user to manually allocate reserve quantity by batch.

PREPARATION

AXXXXX XXX XXXXX Mykad: [REDACTED] Age: 41 Years 04 Months 28 Days Gender: Male MRN: [REDACTED]
 Address: [REDACTED] Phone And Email: [REDACTED] Diagnosis: [REDACTED] No known Allergies
 Height: 20 cm Weight: 12 kg BMI/BSA: 300 / 0.26 m² Update (Last Updated: 23/10/2019) Nationality: Warganegara

Medication Profile | VAS History | Counselling History | MTAC History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment | ADR |

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: [REDACTED] Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [REDACTED]

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: [REDACTED] Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: AXXXXX XXX XXXXX Relationship: Patient

Clinic TCA: [REDACTED] No. of Days: 0 Current Collection Mode: Normal Collection Dispense At: Pharmacy Counter
 Next Collection Date: 22/11/2019 Total Patient: 1 Next Collection Mode: Normal Collection Next Dispense At: Pharmacy Counter
 Supply Duration: 30 Days Next Collection Location: Outpatient Pharmacy SPUB SPUB R1 Form
 Adherence Score: [REDACTED] MPR: [REDACTED]

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail <input type="checkbox"/> Detail			[REDACTED]	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail <input type="checkbox"/> Detail			[REDACTED]	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail <input type="checkbox"/> Detail			[REDACTED]	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail <input type="checkbox"/> Detail			[REDACTED]	Verified

Figure 3.3.1-1 Preparation

STEP 1

Click on **Reserve Qty** to allocate quantity (the number)

ITEM BATCH DETAILS

Drug Code: N02BE01000T1001XX Default SKU: tablet
 Drug Name: Paracetamol 500 mg Tablet Dispense UOM: tab
 Order Detail: 1000 mg, TDS PRN, 3 Months, 23/10/2019 - 21/01/2020 Supply Duration: 30 days Date From: 24/10/2019 to: 23/11/2019

BATCH DETAIL

1 / 1 [1 - 1 / 1]

Batch No	Expiry Date	Available Qty	UOM Qty	Allocated Qty
234232	02/01/2021	1840	180 tab	180
Total Available Qty		1840	Total Allocated Qty 180	

Figure 3.3.1-2 Item Batch Details

Note

Item Batch Details window consist of 2(two) sections:

a. Item Batch Details

Description	Remarks
Drug Code	The value will be defaulted to the drug code selected from the prescription list, auto display.
Default SKU	The value will be defaulted to the SKU selected from the prescription list, auto display.
Drug Name	The value will be defaulted to the drug name selected from the prescription list, auto display.
Dispense UOM	auto from generate from the drug master.
Order Detail	The value will be defaulted to the duration selected from the prescription list. Will include duration, order start and end date, auto display.
Supply Duration	The value will be defaulted to the duration selected from the prescription list, auto display. User is allowing to change this value.

b. Batch Details -_will list down all item batches which are related to the selected drug where expiry date is less than 30 days from the current date.

Description	Remarks
Batch Number	Available batch no
Expiry Date	Batch expiry date
Available Quantity	Quantity available for the selected batch
UOM Qty	Quantity available by UOM
Allocated Qty	Reserved quantity from the selected batch. Allocated quantity cannot be more than the available quantity and order quantity.

Table 3.3.1-1

STEP 2

Change the value of **Supply Duration** or the **UOM Qty**

Note

User is allowed to select, and change **Dispense UOM** (if applicable)

STEP 3

Click on the  button to save record

3.3.2 Drug Label and Balance Medication Sheet (BMS)

This function allow user to edit and print drug label and balance medication sheet after allocating the reserve quantity.

The screenshot displays the 'PREPARATION' section with patient details (Name: AXXXXX XXX XXXXX, Age: 41 Years 04 Months 28 Days, Gender: Male, MRN: [redacted]). Below this is the 'PHARMACY ORDER' section with fields for Patient Arrived, Queue Series (Normal), Arrival Time (23/10/2019 12:24 PM), and Waiting Time (2:24:6). The 'PRESCRIPTION' section contains a table of drugs with columns for Drug Name, Order Detail, Order Qty, Prev Disp Qty, Reserve Qty, POMS Received, Dispense UOM Qty, Balance, Remarks, Drug Counselling, Extemporaneous, Prescriber Name, and Status.

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMS Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> <input type="checkbox"/> POMS	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail		[redacted]	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> <input type="checkbox"/> POMS Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail		[redacted]	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMS	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail		[redacted]	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> <input type="checkbox"/> POMS	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail		[redacted]	Verified

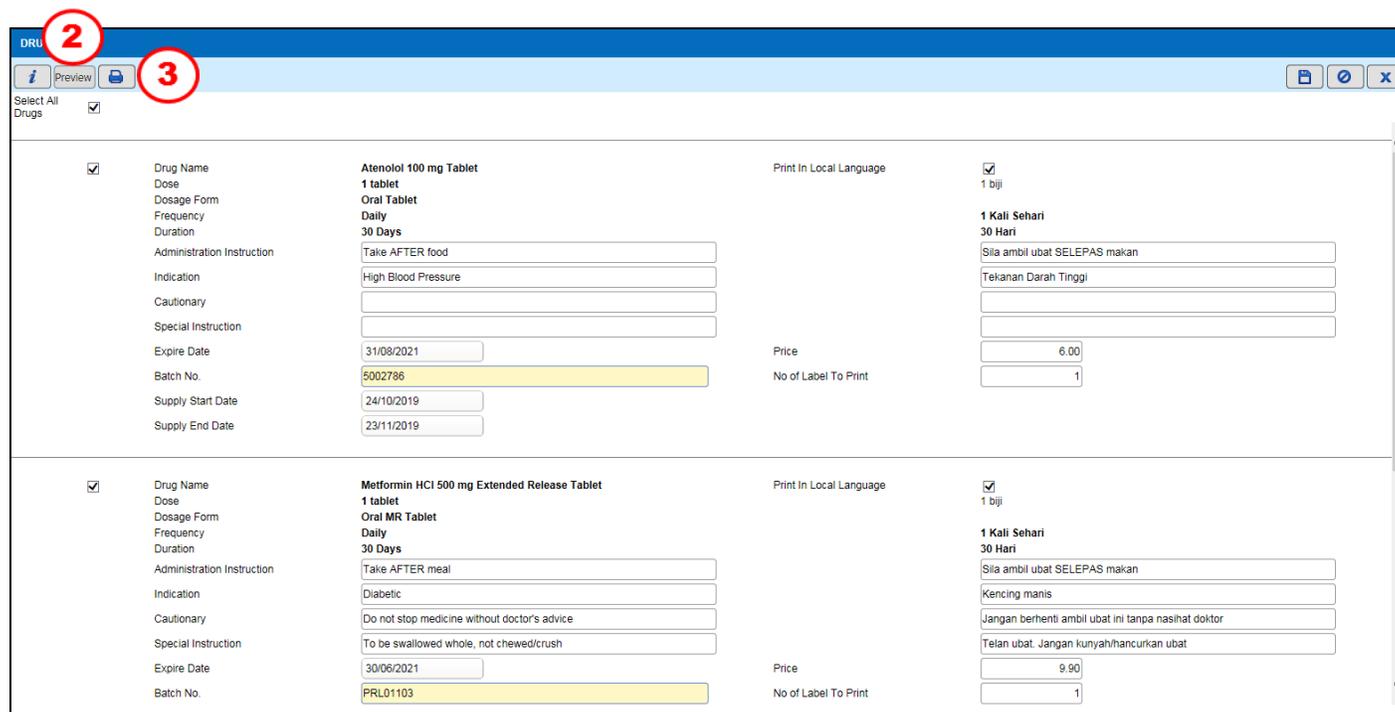
Figure 3.3.2-1 Preparation

STEP 1

Click on the button to print drug label

Note

- All the button with the icon is for **direct printing** such as , and .
- All the button without the icon is for **preview, edit then print** process such as , , and .



Drug Name	Dose	Print In Local Language
Atenolol 100 mg Tablet	1 tablet	<input checked="" type="checkbox"/>
Oral Tablet		
Daily		
30 Days		
Administration Instruction	Take AFTER food	1 biji
Indication	High Blood Pressure	1 Kali Sehari
Cautionary		30 Hari
Special Instruction		Sila ambil ubat SELEPAS makan
Expire Date	31/08/2021	Tekanan Darah Tinggi
Batch No.	5002786	
Supply Start Date	24/10/2019	Price
Supply End Date	23/11/2019	6.00
		No of Label To Print
		1
Metformin HCl 500 mg Extended Release Tablet	1 tablet	<input checked="" type="checkbox"/>
Oral MR Tablet		
Daily		
30 Days		
Administration Instruction	Take AFTER meal	1 Kali Sehari
Indication	Diabetic	30 Hari
Cautionary	Do not stop medicine without doctor's advice	Sila ambil ubat SELEPAS makan
Special Instruction	To be swallowed whole, not chewed/crush	Kencing manis
Expire Date	30/06/2021	Jangan berhenti ambil ubat ini tanpa nasihat doktor
Batch No.	PRL01103	Telan ubat. Jangan kunyah/hancurkan ubat
		Price
		9.90
		No of Label To Print
		1

Figure 3.3.2-2 Drug Label

Note

- User able to select All drug label or selected drug only.
- Uncheck on **Print in Local Language** checkbox to print label in English (default is in Malay).
- User is allowed to print more than 1 by entering **No of Label to Print**.
- Able to edit **Administration Instruction, Indication, Cautionary, Special Instruction, and Price**.

STEP 2

Click on the  button to preview drug label as shown in Figure 3.3.2-3

STEP 3

Click on the  button to print drug label

HOSPITAL SERI MANJUNG (Tel: 056896600)		
AXXXXX XXX XXXXX		
XXXXXXXXXX	Outpatient Clinic	XXXXXXXXXX
Metformin HCl 500mg ER Tablet		
Ambil 1 biji 1 Kali Sehari		
-		
Sila ambil ubat SELEPAS makan Telan ubat. Jangan kunyah/hancurkan ubat. Jangan berhenti ambil ubat ini tanpa nasihat doktor.		
Kencing manis		
24/10/19-23/11/19 [30 hari]	30 biji	RM9.90
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK		24/10/2019 02:12 PM

Figure 3.3.2-3 Drug Label

Balance Medication Sheet (BMS)

PREPARATION

	AXXXXX XXX XXXXX	Mykad: [REDACTED]	Age 41 Years 04 Months 28 Days	Gender Male	MRN: [REDACTED]
	Address: [REDACTED]	Phone And Email: [REDACTED]	Diagnosis: [REDACTED]	No known Allergies	
Upload Photo	Height: 20 cm	Weight: 12 kg	BMI/BSA: 300 / 0.26 m ²	Update (Last Updated: 23/10/2019) Nationality: Warganegara	

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) | [ADR](#)

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: [REDACTED] Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [REDACTED]

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: [REDACTED] Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: AXXXXX XXX XXXXX Relationship: Patient

Clinic TCA: [REDACTED] No. of Days: 0 Current Collection Mode: Normal Collection Dispense At: Pharmacy Counter
 Next Collection Date: 22/11/2019 Total Patient: 1 Next Collection Mode: Normal Collection Next Dispense At: Pharmacy Counter
 Supply Duration: 30 Days Next Collection Location: Outpatient Pharmacy 1
 Adherence Score: [REDACTED] MPR: [REDACTED] SPUB SPUB R1 Form

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[REDACTED]	Verified
Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Verified
Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Verified
Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		[REDACTED]	Verified

Figure 3.3.2-4 Preparation

STEP 1

Click on the Balance Medication Sheet button to preview the Balance Medication Sheet as shown in Figure 3.3.2-5



KEMENTERIAN KESIHATAN MALAYSIA
HOSPITAL SERI MANJUNG
BALANCE MEDICATION SHEET

No Preskripsi	: OPD0000824807 (RX876009-887642)	Tarikh Preskripsi	: 23/10/2019
Nama	: AXXXXX XXX XXXXX	No K/P	: [REDACTED]
Umur	: 41 Years 04 Months 28 Days 27/05/1978	MRN	: [REDACTED]
Lokasi	: Outpatient Clinic		
Alahan	:		
Diagnosis	:		
		Berat	: 12.00 kg
		BMI/BSA	: 300 / 0.26
		Dipreskrib oleh	: [REDACTED]
		Temujanji Klinik	:



Bil	Maklumat Preskripsi			Maklumat Pendiapensan													
	Nama Ubat	Maklumat Dos	Kuantiti Ubat	Tarikh:		TCA		22/11/2019		Tarikh:		TCA		Tarikh:		TCA	
				Kuantiti	Baki	F	D	Kuantiti	Baki	F	D	Kuantiti	Baki	F	D		
1	Atenolol 100 mg Tablet	100 mg, OD (once daily) , 3 Months, Oral	90 tablet	30	60												
2	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD (once daily) , 3 Months, Oral	90 tablet	30	60												
3	Paracetamol 500 mg Tablet	1000 mg, TDS PRN , 3 Months, Oral	540 tablet	180	360												

Figure 3.3.2-5 Balance Medication Sheet (BMS)



3.3.3 Extemporaneous: By Pharmacist

PREPARATION

	AXXXXX XXX XXXXX <small>Address</small>	Mykad [REDACTED] <small>Phone And Email</small>	Age 41 Years 04 Months 28 Days <small>Diagnosis</small>	Gender Male <small>No known Allergies</small>	MRN [REDACTED]
Upload Photo	Height <input type="text" value="20"/> cm	Weight <input type="text" value="12"/> kg	BMI/BSA 300 / 0.26 m ²	Update (Last Updated : 23/10/2019)	Nationality : Warganegara

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) | [ADR](#)

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [REDACTED]

PHARMACY ORDER

Patient Arrived Queue Series: **Normal** Queue No: Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: AXXXXX XXX XXXXX Relationship: Patient

Clinic TCA: <input type="text"/> No. of Days: 0 Current Collection Mode: Normal Collection Dispense At: Pharmacy Counter
Next Collection Date: 22/11/2019 Total Patient: 1 Next Collection Mode: Normal Collection Next Dispense At: Pharmacy Counter
Supply Duration: 30 Days Next Collection Location: Outpatient Pharmacy <input type="checkbox"/> SPUB <input type="checkbox"/> SPUB R1 Form
Adherence Score: <input type="text"/> MPR: <input type="text"/>

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/> Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	<input checked="" type="checkbox"/>	[REDACTED]	Verified
<input type="checkbox"/> Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	<input type="checkbox"/>	[REDACTED]	Verified
<input type="checkbox"/> Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	<input type="checkbox"/>	[REDACTED]	Verified
<input type="checkbox"/> Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	<input type="checkbox"/>	[REDACTED]	Verified

Figure 3.3.3-1 Preparation

STEP 1

Click on the **Extemporaneous** checkbox Extemporaneous screen will be display as Figure 3.3.3-2

EXTEMPORANEOUS 4


Generate Worksheet   

Preparation Done By Pharmacist Patient

Worksheet ID

Preparation Name 2

Concentration mg /ml

Dosage ml

Item	Item Name	3	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Atenolol 100 mg Tablet		30 tablet		5002786	31/08/2021
Vehicle	Syrup BP		<input type="text" value="1500"/>	ml	<input type="text"/>	<input type="text"/>
Additional Item	Glycerin 2ml		<input type="text" value="20"/>	ml	<input type="text"/>	<input type="text"/>

Storage Condition and Procedures in Local Language

Storage Condition	<input type="text" value="Refrigerate"/>	Expiry	<input type="text" value="14"/> Days
-------------------	--	--------	--------------------------------------

References	<input type="text" value="Extemporaneous Formulation, MOH 2015"/>
	Formulation Remarks <input type="text"/>

Procedures(Preparation by Pharmacist)	<input type="text" value="1. Crush tablets in a mortar to a fine powder. 2. Levigate the powder with glycerin until a smooth paste is formed. 3. Add vehicle to the paste until a liquid is formed and transfer the liquid into the container."/>
Procedures(Preparation by Patient)	<input type="text"/>

Preparation Remarks

Figure 3.3.3-2 Extemporaneous

Note

Preparation Done By will default to Pharmacist

STEP 2

Select Preparation Name from dropdown box

Note

Preparation Name will automatically display if user set default value at the Drug Master data

STEP 3

Enter information (if applicable)

Note

- Expiry will be based on the master setup but user is allowed to modify
- Click on the **Storage Condition and Procedures in Local Language** checkbox to change to Bahasa Melayu

STEP 4

Click on the  button to save record and Confirmation Message will be display as Figure 3.3.3-3

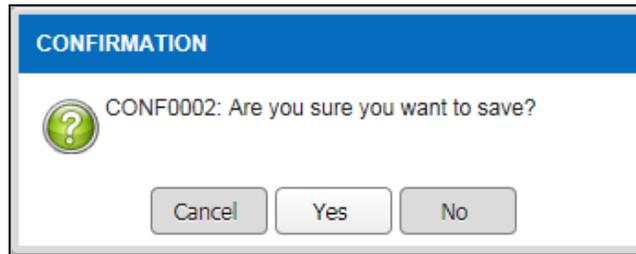


Figure 3.3.3-3 Confirmation Message

Note

Click on the  button and Extemporaneous screen will be closed

PREPARATION													
PHARMACY ORDER													
PRESCRIPTION													
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail	5	DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified

Figure 3.3.3-4 Preparation

STEP 5

Click on the **Details** hyperlink and Extemporaneous screen will be display as Figure 3.3.3-5

EXTEMPORANEOUS

i
6
Generate Worksheet
✎
🗑
🔄
✕

Preparation Done By Pharmacist Patient

Preparation Name *

Worksheet ID

Concentration mg /ml

Dosage ml

Item	Item Name	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Atenolol 100 mg Tablet	30	tablet	5002786	07/11/2019
Vehicle	Syrup BP	<input type="text" value="1500"/>	<input type="text" value="ml"/>	<input type="text"/>	<input type="text"/>
Additional Item	Glycerin 2ml	<input type="text" value="20"/>	<input type="text" value="ml"/>	<input type="text"/>	<input type="text"/>

Storage Condition and Procedures in Local Language

Storage Condition Expiry Days

References Formulation Remarks

Procedures(Preparation by Pharmacist)

Procedures(Preparation by Patient)

Preparation Remarks

Figure 3.3.3-5 Extemporaneous

STEP 6

Click on the button to view the extemporaneous worksheet as Figure 3.3.3-6



EXTEMPORANEOUS WORKSHEET (PARTIAL)

MINISTRY OF HEALTH
Hospital Seri Manjung

Date of preparation : 24/10/2019

Worksheet Id: 19-10-0010

MRN

Name

AXXXXX XXX XXXXX

ID No

Order Location

Outpatient Clinic

Rx. No.

OPD0000824807

Order Date

23/10/2019

Ordered By

No	ROA	Preparation Name	Dose	Total Dose	Material Used				Storage
					Item Name	Volume/Qty Required	Batch No	Expiry Date	
1.	Oral	Atenolol 2mg/mL Oral Liquid(Syrup) Expiry Date : 07/11/2019	100mg (50ML)	3000mg (1500 ml)	Atenolol 100 mg Tablet	30 tablet	5002786	31/08/2021	Refrigerate
					Syrup BP	1500 ml			
					Glycerin 2ml	20 ml			

Worksheet generated by

GOBI HARIYANAYAGAM A/L

Date: 24/10/2019

Worksheet & label checked by

Date:

Prepared by

Date:

Final Product Checked by

Date: 24/10/2019

Figure 3.3.3-6 Extemporaneous Worksheet



3.3.4 Extemporaneous: By Patient

PREPARATION

Print Patient Label Print Original Prescription PCI CP4

	XXXXXX XXX XXXXX	Mykad [REDACTED]	Age 41 Years 04 Months 28 Days	Gender Male	MRN [REDACTED]
	Address	Phone And Email	Diagnosis	No known Allergies	
Upload Photo	Height 20 cm	Weight 12 kg	BMI/BSA 300 / 0.26 m ²	Update (Last Updated : 23/10/2019) Nationality : Warganegara	

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) | [ADR](#)

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [REDACTED]

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: XXXXXX XXX XXXXX Relationship: Patient

Clinic TCA	No. of Days: 0	Current Collection Mode: Normal Collection	Dispense At: Pharmacy Counter
Next Collection Date: 22/11/2019	Total Patient: 1	Next Collection Mode: Normal Collection	Next Dispense At: Pharmacy Counter
Supply Duration: 30 Days		Next Collection Location: Outpatient Pharmacy	<input type="checkbox"/> SPUB <input type="checkbox"/> SPUB R1 Form
Adherence Score	MPR		

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail	[REDACTED]	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[REDACTED]	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[REDACTED]	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[REDACTED]	Verified

Figure 3.3.4-1 Preparation

STEP 1

Click on the **Extemporaneous** checkbox Extemporaneous screen will be display as Figure 3.3.4-2

EXTEMPORANEOUS 5


Print Ingredient Label   

Preparation Done By Pharmacist Patient 2

Preparation Name 3 Concentration mg /ml

Dosage ml

Item	Item Name	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Atenolol 100 mg Tablet	30 tablet		5002786	07/11/2019
Vehicle	Syrup BP	<input type="text" value="1500"/>	ml		
Additional Item	Glycerin 2ml	<input type="text" value="20"/>	ml		

Storage Condition and Procedures in Local Language

Storage Condition Expiry Days

References Formulation Remarks

Procedures(Preparation by Pharmacist)

Procedures(Preparation by Patient)

Preparation Remarks

Figure 3.3.4-2 Extemporaneous

STEP 2

Click on the **Preparation Done By** radio button as **Patient**

STEP 3

Select **Preparation Name** from dropdown box

Note

Preparation Name will automatically display if user set default value at the Drug Master data

STEP 4

Enter information (if applicable)

Note

- **Expiry** will be based on the master setup but user is allowed to modify
- Click on the **Storage Condition and Procedures in Local Language** checkbox to change to Bahasa Melayu
- Procedures(Preparation by Patient) is editable.

STEP 5

Click on the  button to save record and Confirmation Message will be display as Figure 3.3.4-3

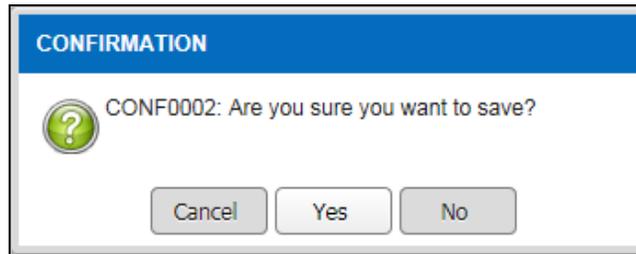


Figure 3.3.4-3 Confirmation Message

Note

Click on the  button and Extemporaneous screen will be closed

PREPARATION													
<div style="text-align: right;"> Patient Label Print Original Prescription PCI CP4 Print Close </div>													
AXXXXX XXX XXXXX Address		Mykad		Age 41 Years 04 Months 28 Days		Gender Male		MRN					
Upload Photo Height 20 cm Weight 12 kg BMI/BSA 300 / 0.26 m ² Update (Last Updated : 23/10/2019) Nationality : Warganegara		Phone And Email		Diagnosis		No known Allergies							
Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By:													
PHARMACY ORDER													
PRESCRIPTION													
ENGLISH Invoice Worksheet Worksheet Balance Medication Sheet Balance Medication Sheet Label Label Full Supply Allocate Prepare													
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail	5	DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			DR. ZARINA BINTI FUAD	Verified

Figure 3.3.4-4 Preparation

STEP 5

Click on the **Details** hyperlink and Extemporaneous screen will be display as Figure 3.3.4-5

EXTEMPORANEOUS

i
6
Print Ingredient Label
✎
🗑️
🔄
✕

Preparation Done By Pharmacist Patient

Preparation Name * Concentration mg /ml

Dosage ml

Item	Item Name	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Atenolol 100 mg Tablet	30	tablet	5002786	07/11/2019
Vehicle	Syrup BP	<input type="text" value="1500"/>	<input type="text" value="ml"/>	<input type="text"/>	<input type="text"/>
Additional Item	Glycerin 2ml	<input type="text" value="20"/>	<input type="text" value="ml"/>	<input type="text"/>	<input type="text"/>

Storage Condition and Procedures in Local Language

Storage Condition Expiry Days

References Formulation Remarks

Procedures(Preparation by Pharmacist)

Procedures(Preparation by Patient) ^
v

Preparation Remarks

Figure 3.3.4-5 Extemporaneous

STEP 6

Click on the button to view the Ingredient Label as Figure 3.3.4-6

Atenolol 100 mg Tablet		Syrup BP	
30 tablet		1,500 ml	
Batch No: 5002786	Exp Date: 31/08/2021	Batch No: -	Exp Date: -
PHARMANIAGA		-	
Ubat Terkawal		Ubat Terkawal	

Figure 3.3.4-6 Ingredient Label

PREPARATION

AXXXXX XXX XXXX Mykad [REDACTED] Age 41 Years 04 Months 28 Days Gender Male MRN [REDACTED]
 Address Phone And Email Diagnosis No known Allergies
 Height 20 cm Weight 12 kg BMI/BSA 300 / 0.26 m² Update (Last Updated : 23/10/2019) Nationality : Warganegara

Medication Profile | VAS History | Counselling History | MTAC History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment | ADR |

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [REDACTED]

7

PHARMACY ORDER

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="button" value="Detail"/>	<input checked="" type="checkbox"/> Detail		DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tab	60 tablet (60 day(s))	Remarks <input type="button" value="Detail"/>	<input type="checkbox"/> Detail		DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Diazepam 5 mg Tablet	10 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	180 tablet	0 tablet	0 <input type="checkbox"/> <input checked="" type="checkbox"/> POMs	0 tablet	0 tab	180 tablet (89 day(s))	Remarks <input type="button" value="Detail"/>	<input type="checkbox"/> Detail		DR. ZARINA BINTI FUAD	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN3, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	540 tablet	0 tablet	180 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	180 tab	360 tablet (60 day(s))	Remarks <input type="button" value="Detail"/>	<input type="checkbox"/> Detail		DR. ZARINA BINTI FUAD	Verified

Figure 3.3.4-7 Preparation

STEP 7

Click on the button to print drug label

DRUG LABEL PREVIEW

Select All Drugs

<input checked="" type="checkbox"/>	Drug Name	Atenolol 2mg/mL Oral Liquid	Print In Local Language	<input checked="" type="checkbox"/>
	Dose	50 ML		
	Dosage Form	Oral Tablet		
	Frequency	Daily		1 Kali Sehari
	Duration	30 Days		30 Hari
	Administration Instruction	Take AFTER food		Sila ambil ubat SELEPAS makan
	Indication	High Blood Pressure		Tekanan Darah Tinggi
	Cautionary			
	Special Instruction			
	Expire Date	07/11/2019	Price	6.00
	Batch No.	5002786	No of Label To Print	1
	Supply Start Date	24/10/2019		
	Supply End Date	23/11/2019		

Figure 3.3.4-8 Drug Label

STEP 8

Click on the button to preview drug label as shown in Figure 3.3.4-9

STEP 9

Click on the button to print drug label

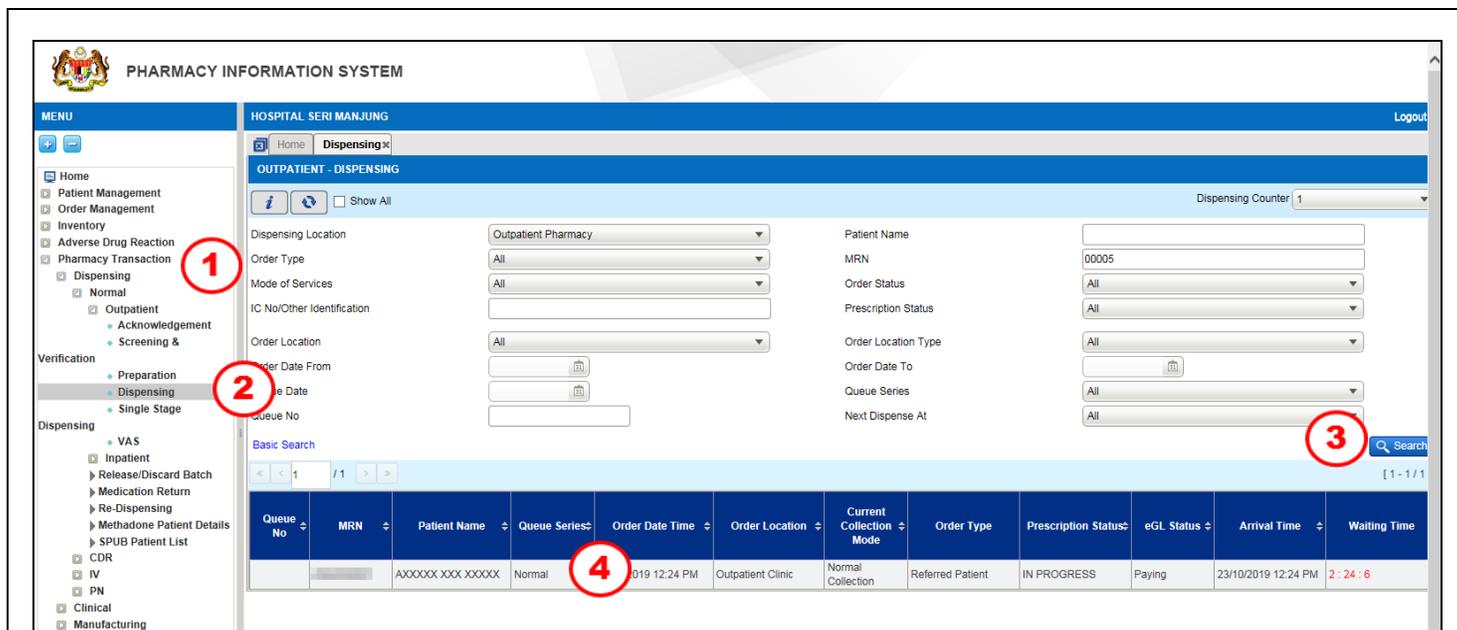
HOSPITAL SERI MANJUNG (Tel: 056896600)		
AXXXXX XXX XXXXX		
HSM000005	Outpatient Clinic	78XXXXXX5707
Atenolol 2mg/mL Oral Liquid		
Ambil 50 ML 1 Kali Sehari		
-		
Sila ambil ubat SELEPAS makan		
Tekanan Darah Tinggi		EXP:07/11/2019
24/10/19-23/11/19 [30 hari]	1500 ml	RM6.00
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK		24/10/2019 03:16 PM

HOSPITAL SERI MANJUNG (Tel: 056896600)		
Cara Penyediaan:		
1. Ambil 1 biji Atenolol 100 mg Tablet.		
2. Hancurkan Atenolol 100 mg Tablet.		
3. Tambah 50 ml Syrup BP.		
4. Tambah 20 ml Glycerin 2ml.		
5. Larutkan supaya sekata.		
6. Sukat dan minum 50 ML.		
7. Buat bancuhan baru setiap pengambilan ubat.		
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK		24/10/2019 03:16 PM

Figure 3.3.4-9 Drug Label

3.4 Dispensing

This function will allow the user to dispense medication to the patient after it was prepared.



The screenshot shows the 'PHARMACY INFORMATION SYSTEM' interface for 'HOSPITAL SERI MANJUNG'. The left menu is expanded to 'Dispensing' > 'Normal' > 'Outpatient' > 'Dispensing'. The main area contains a form with various filters and search options. A table at the bottom displays patient records with columns: Queue No, MRN, Patient Name, Queue Series, Order Date Time, Order Location, Current Collection Mode, Order Type, Prescription Status, eGL Status, Arrival Time, and Waiting Time. A red circle '4' highlights the 'Queue Series' column.

Figure 3.4-1 Dispensing

STEP 1

Click on 'Pharmacy Transaction' Menu and click on 'Dispensing' sub menu follow by 'Normal'

STEP 2

Click on 'Outpatient' then click on 'Dispensing'

Note

Various search criteria are provided as below:

Basic Search			
No	Field	Description	Remark
t	Show All	Check box	Able to view all patient record
u	Dispensing Location	Dispensing location. (It will list down all active location assigned to the user)	Able to filter and search patient's record by dispensing location
v	Patient Name	Name of Patient	Allow to search by patient name
w	Order Type	- All - Normal - SPUB - Discharge - Referred Patient	Able to filter and search patient's record name by order type
x	MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
y	Mode of Services	- All - Appointment Card - Email and Take	Allow user to search by patient registered with value added services for next collection

		<ul style="list-style-type: none"> - Fax and Take - Home Visit - Leave and Collect - Normal Collection - Others - SMS and Take - Telephone and Take - UMP 	
z	Order Status	<ul style="list-style-type: none"> - All - New Order - Partial Supply 	Able to filter the order by order status
aa	IC No/Other Identification	Identification Number	Allow to search by full or partial ID Number
bb	Prescription Status	<ul style="list-style-type: none"> - All - Hold - Expired 	Able to filter by prescription status
Advanced Search			
cc	Order Location	Order location. (It will list down all active visit location)	Able to filter and search patient's record by order location
dd	Order Location Type	<ul style="list-style-type: none"> - All - Clinic - Day Care - ER - Nursing Unit - Pharmacy 	Able to filter and search patient's record by order location type
ee	Order Date from	Order date from	Able to filter and search patient's record by order date from
ff	Order Date To	Order date to	Able to filter and search patient's record by order date to
gg	Next Supply From	Next supply from date	Able to filter and search patient's record by next supply from date
hh	Next Supply To	Next supply to date	Able to filter and search patient's record by next supply to date
ii	Queue Date	Queue Date	Able to patient's record by queue date
jj	Queue Series	<ul style="list-style-type: none"> - All - Normal - Express - Special - Others 	Able to filter and search patient's record by Queue series
kk	Queue No	Queue No	Able to filter and search by Queue No
ll	Next Dispense At	<ul style="list-style-type: none"> - All - Drive Through Counter - Pharmacy Counter - Bedside - Locker for You - PPUSS 	

Table 3.3-1

STEP 3

Click on the  button to search the patient

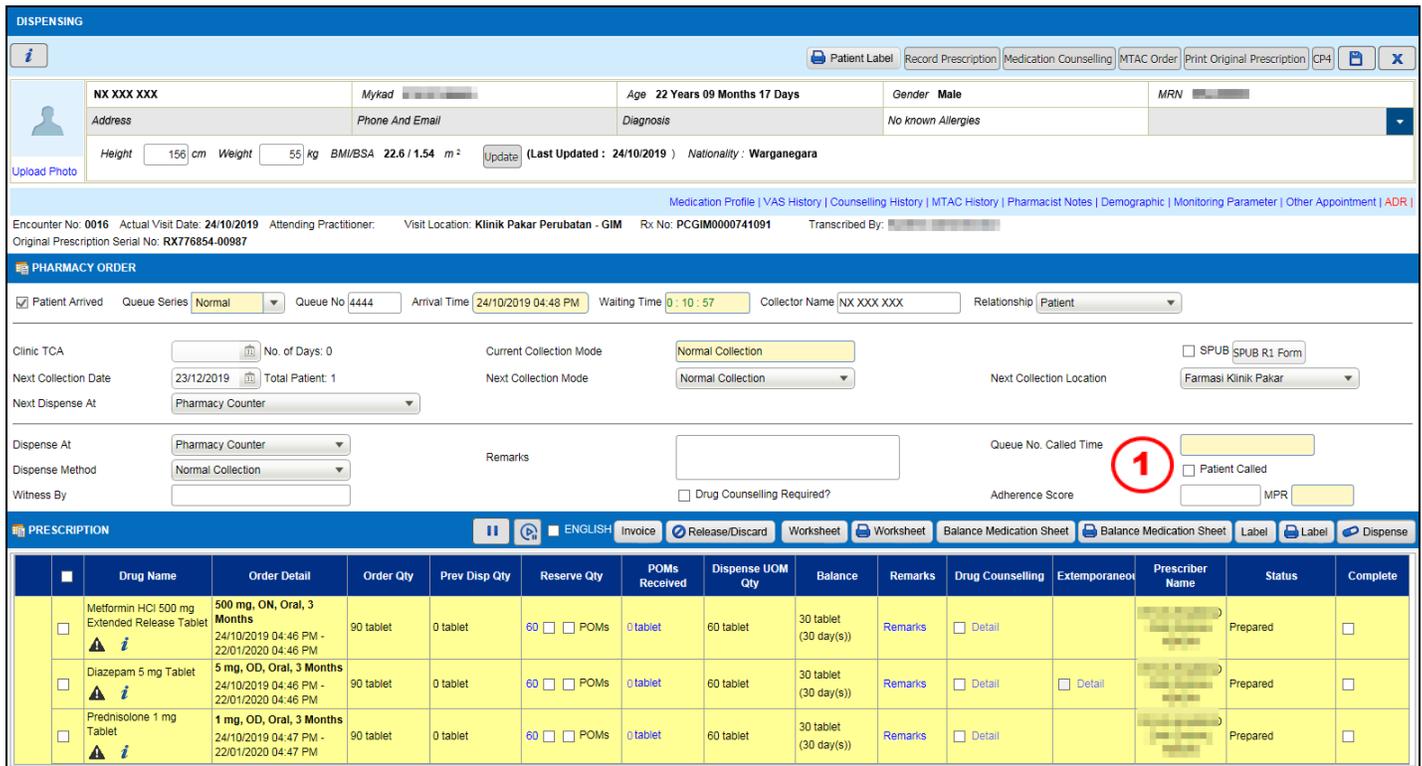
Note

Search result of current order patient list will be displayed:

- Queue No
- MRN
- Patient Name
- Queue Series
- Order Date Time
- Order Location
- Current Collection Mode
- Order Type
- Prescription Status
- eGL Status
- Arrival Time
- Waiting Time

STEP 4

Double click on the selected patient's name



The screenshot displays the 'DISPENSING' interface. At the top, there are navigation buttons: Patient Label, Record Prescription, Medication Counselling, MTAC Order, Print Original Prescription, CP4, and X. Below this is a patient information section with fields for Mykad, Age (22 Years 09 Months 17 Days), Gender (Male), MRN, Address, Phone And Email, Diagnosis, and No known Allergies. It also shows physical attributes: Height (156 cm), Weight (55 kg), BMI/BSA (22.6 / 1.54 m²), and Nationality (Warganegara). A 'PHARMACY ORDER' section includes checkboxes for Patient Arrived, Queue Series (Normal), Queue No (4444), Arrival Time (24/10/2019 04:48 PM), Waiting Time (0:10:57), Collector Name (NX XXX XXX), and Relationship (Patient). It also shows Clinic TCA, Next Collection Date (23/12/2019), Total Patient (1), Current Collection Mode (Normal Collection), Next Collection Mode (Normal Collection), Next Collection Location (Farmasi Klinik Pakar), Dispense At (Pharmacy Counter), Dispense Method (Normal Collection), and a 'Patient Called' checkbox (marked with a red circle and '1'). A 'PRESCRIPTION' table is shown below with columns for Drug Name, Order Detail, Order Qty, Prev Disp Qty, Reserve Qty, POMS Received, Dispense UOM Qty, Balance, Remarks, Drug Counselling, Extemporaneous, Prescriber Name, Status, and Complete. The table lists three prescriptions: Metformin HCl 500 mg Extended Release Tablet, Diazepam 5 mg Tablet, and Prednisolone 1 mg Tablet, all with a status of 'Prepared'.

Figure 3.3-2 Dispensing

STEP 1

Click on the **Patient Call** checkbox

Note

Once click on the **Patient Call** checkbox, waiting time will automatically stop and **Status** of the drug will change to **Uncollected** as shown in Figure 3.3-2

PRESCRIPTION														
■	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneot	Prescriber Name	Status	Complete
<input type="checkbox"/>	Meliform HCl 500 mg Extended Release Tablet ⚠ i	500 mg, ON, Oral, 3 Months 24/10/2019 04:46 PM - 22/01/2020 04:46 PM	90 tablet	0 tablet	60 <input type="checkbox"/> POMs	0 tablet	60 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Uncollected	<input type="checkbox"/>
<input type="checkbox"/>	Diazepam 5 mg Tablet ⚠ i	5 mg, OD, Oral, 3 Months 24/10/2019 04:46 PM - 22/01/2020 04:46 PM	90 tablet	0 tablet	60 <input type="checkbox"/> POMs	0 tablet	60 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[Redacted]	Uncollected	<input type="checkbox"/>
<input type="checkbox"/>	Prednisolone 1 mg Tablet ⚠ i	1 mg, OD, Oral, 3 Months 24/10/2019 04:47 PM - 22/01/2020 04:47 PM	90 tablet	0 tablet	60 <input type="checkbox"/> POMs	0 tablet	60 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Uncollected	<input type="checkbox"/>

Figure 3.3-3 Dispensing

STEP 2

Click on the  button to dispense and Confirmation Message will display as Figure 3.3-4

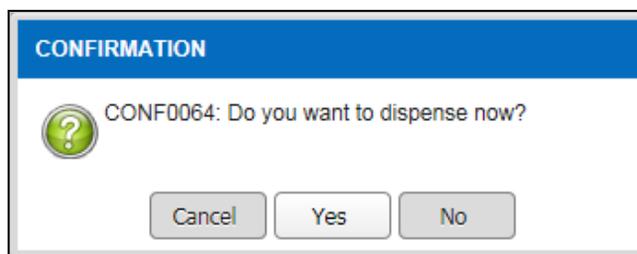
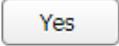


Figure 3.3-4 Confirmation Message

Note

- Click on the  button to proceed with dispensing
- User is allowed to click on the dispense button without click on the **Patient Call** checkbox
- Drug with balance quantity, the status of the drug will be Partially Dispense and user can find the prescription at Acknowledgment and Screening & Verification screen
- To close/complete medication, select the checkbox  then click on the  button. The selected drug is considered as full supply.
- If there is multiple prescription for the same patient with same **Original Prescription Number** where all the prescription already prepared, once user dispense one of the multiple prescription, system will display a information message as Figure 3.3-5

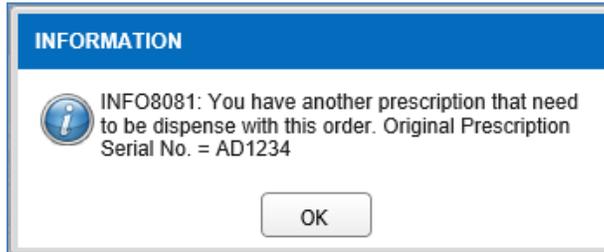
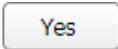


Figure 3.3-5 Information Message

- The information message (in Figure 3.3-5) is to inform user that another record with same **Original Prescription Number** need to be dispense
- Click on the  button and dispensing screen will be automatically opened and user can proceed to dispense the others prescription
- A notification icon  in the Remarks column is display if there are past Remarks in all dispensing screens. User will be able to view past Remarks (with timestamp & NAME OF PERSON making remark), including the doctor's remark as per Figure 3.3-6

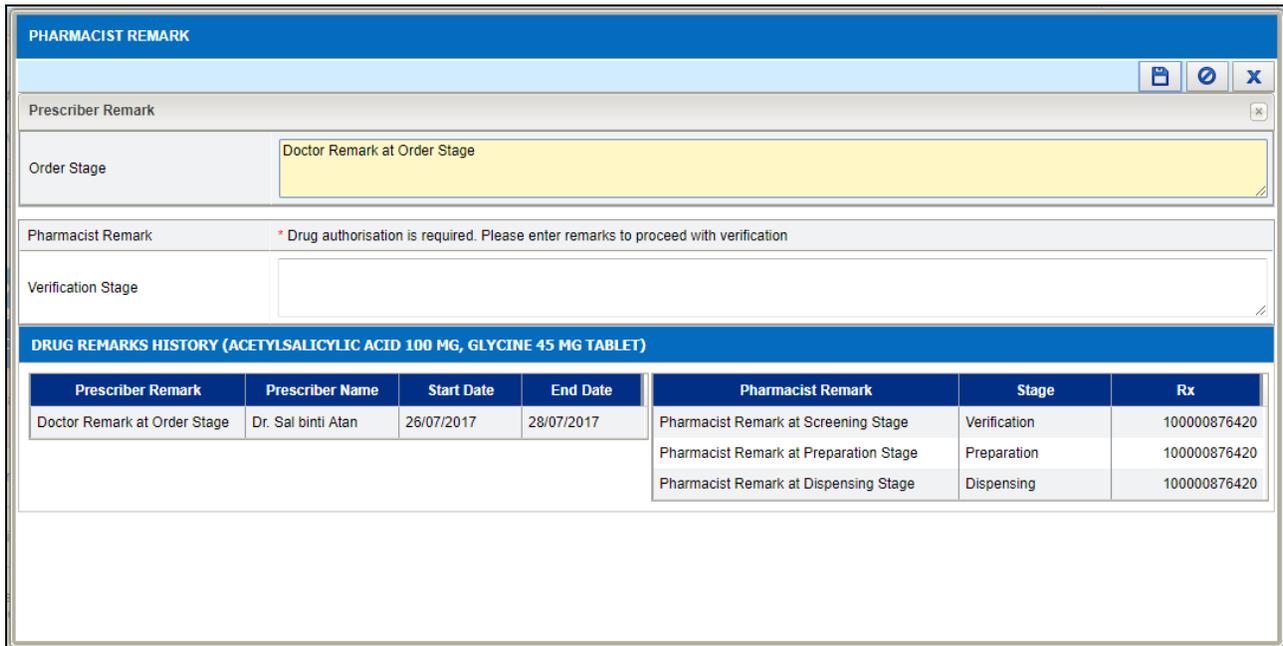


Figure 3.3-6 Pharmacist Remark

Dispense Method: UMP

For dispense Method as UMP, user don't need to click on the Patient Arrived to dispense the medication to patient.

DISPENSING

Patient Label | Record Prescription | Medication Counselling | MTAC Order | Print Original Prescription | CP4

UXXX XXXXXX XXXXX | Passport | Age 36 Years 06 Months 11 Days | Gender Male | MRN

Address | Phone And Email | Diagnosis | No known Allergies

Height cm | Weight kg | BMI/BSA 0/0 m² | Update (Last Updated :) | Nationality: Bukan Warganegara

Encounter No: 0008 | Actual Visit Date: 24/09/2019 | Attending Practitioner: | Visit Location: Farmasi Klinik Pakar | Rx No: FKP0000740929 | Transcribed By:

PHARMACY ORDER

Patient Arrived | Queue Series: Normal | Queue No: | Arrival Time: | Waiting Time: | Collector Name: | Relationship: Patient

Clinic TCA: | No. of Days: 0 | Current Collection Mode: Normal Collection | SPUB SPUB R1 Form

Next Collection Date: | Next Collection Mode: Normal Collection | Next Collection Location: Farmasi Klinik Pakar

Next Dispense At: Pharmacy Counter

Dispense At: Pharmacy Counter

Dispense Method: **1** UMP | **2** UMP Info | Remarks: | Queue No. Called Time: | Patient Called

Witness By: | Drug Counselling Required? | Adherence Score: | MPR: 33

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
Loratadine 10 mg Tablet	10 mg, OD, Oral, 60 Days 24/09/2019 02:12 PM - 23/11/2019 02:12 PM	60 tablet	10 tablet (24/09/2019)	10 <input type="checkbox"/> POMs	0 tablet	10 tablet	40 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail			Prepared	<input type="checkbox"/>
Cloxacillin Sodium 250mg Capsule	250 mg, QID, Oral, 60 Days 24/09/2019 02:13 PM - 23/11/2019 02:13 PM	240 capsule	40 capsule (24/09/2019)	40 <input type="checkbox"/> POMs	0 capsule	40 capsule	160 capsule (30 day(s))	Remarks	<input type="checkbox"/> Detail			Prepared	<input type="checkbox"/>

Figure 3.3-7 Dispensing

STEP 1

Select **Dispense Method** dropdown menu as **UMP**

Note

UMP info button will display

STEP 2

Click on the **UMP Info** button and UMP Information screen will be display as Figure 3.3-8

UMP INFORMATION

UMP Delivery Date: 24/10/2019 *

UMP Preparation Time: 6:02 PM *

UMP Postage Weight: < 500 mg *

UMP Destination: Within West Malaysia *

Figure 3.3-8 UMP Information

STEP 3

Select **UMP Postage Weight** and **UMP Destination** from dropdown menu

STEP 4

Click on the  button to save the information and Confirmation Message will display as Figure 3.3-9

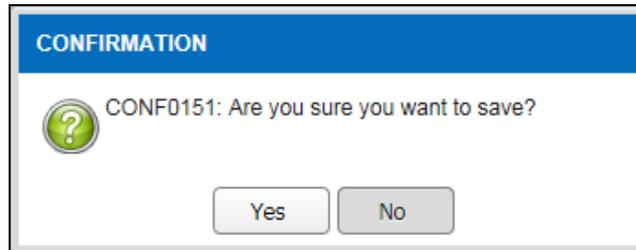
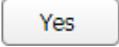
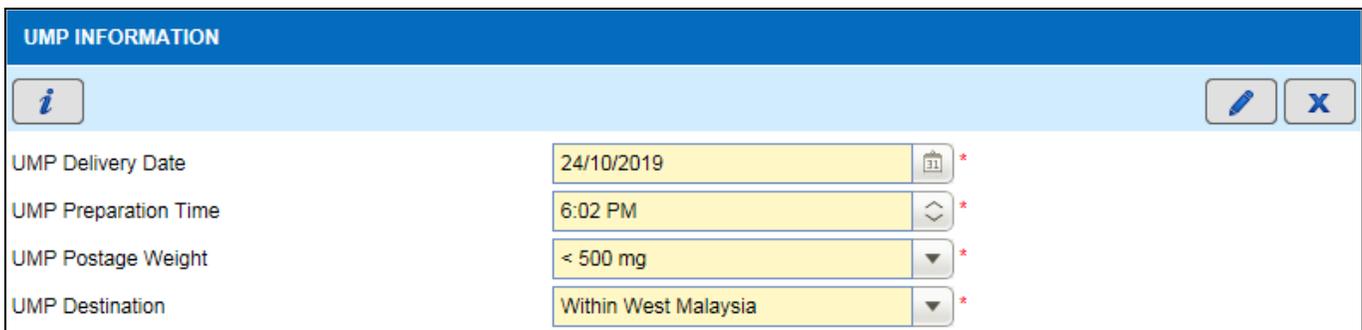


Figure 3.3-9 Confirmation Message

Note

- Click on the  button to save the record



A form titled "UMP INFORMATION" with a blue header. Below the header is an information icon (i) on the left and edit (pencil) and close (X) buttons on the right. The form contains four fields:

UMP Delivery Date	24/10/2019		*
UMP Preparation Time	6:02 PM		*
UMP Postage Weight	< 500 mg		*
UMP Destination	Within West Malaysia		*

Figure 3.3-10 UMP Information

- Click on the  button to edit the UMP Information
- Click on the  button to close the UMP Information screen and user can proceed to dispense the medication
- if user select Dispense Method as Home Visit, user is able to dispense the record without check on the Patient Arrived checkbox and no waiting time will be capture as shown in Figure 3.3-11

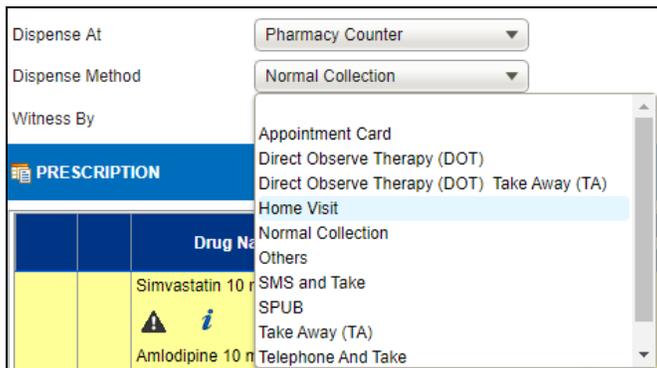
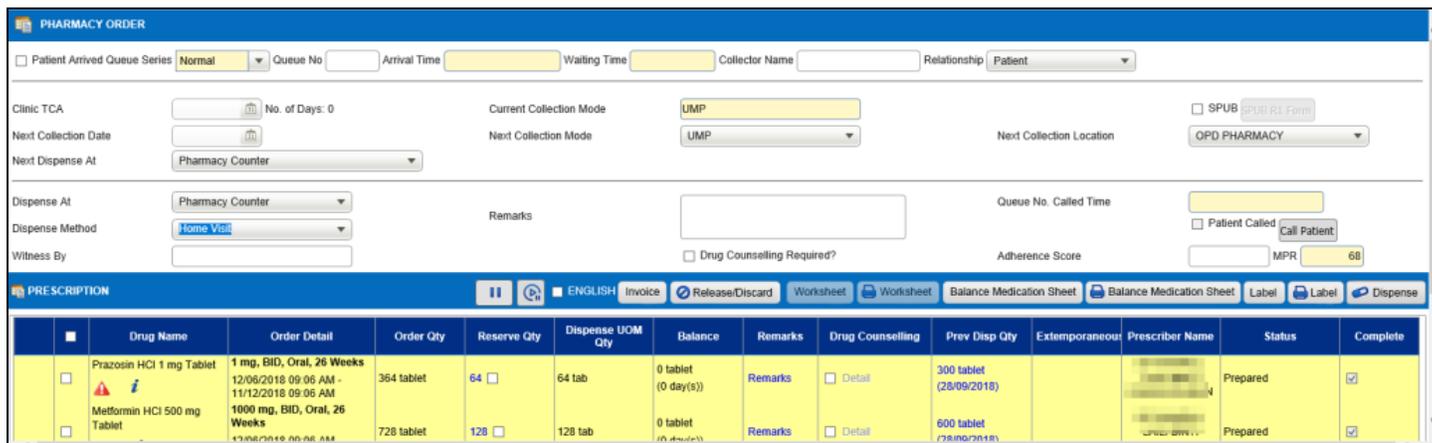


Figure 3.3-11 Dispense Method: Home Visit

- Select **Dispense Method** as Home Visit from the dropdown menu (Figure 3.3-11)



Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Status	Complete
Prazosin HCl 1 mg Tablet	1 mg, BID, Oral, 26 Weeks 12/06/2018 09:06 AM - 11/12/2018 09:06 AM	364 tablet	64	64 tab	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail	300 tablet (28/09/2018)			Prepared	<input checked="" type="checkbox"/>
Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 26 Weeks 12/06/2018 09:06 AM	728 tablet	128	128 tab	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail	600 tablet (28/09/2018)			Prepared	<input checked="" type="checkbox"/>

Figure 3.3-12 Dispensing

- Click on the  button to dispense the prescription (Figure 3.3-12)

PHARMACY ORDER

Patient Arrived Queue Series Normal Queue No Arrival Time Waiting Time Collector Name Relationship Patient

Clinic TCA No. of Days: 0

Next Collection Date

Next Dispense At Pharmacy Counter

Dispense At Pharmacy Counter

Dispense Method Home Visit

Witness By

Current Collection Mode LIMP

Next Collection Mode LIMP

Remarks

SPUB SPUB RT Form

Next Collection Location OPD PHARMACY

Queue No. Called Time

Patient Called Call Patient

Adherence Score MPR 88

CONFIRMATION

?

CONF0064: Do you want to dispense now?

PRESCRIPTION

ENGLISH Invoice Release/Discard Worksheet Worksheet Balance Medication Sheet Balance Medication Sheet Label Label Dispense

	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Status	Complete
<input type="checkbox"/>	Prazosin HCl 1 mg Tablet	1 mg, BID, Oral, 26 Weeks 12/06/2018 09:06 AM - 11/12/2018 09:06 AM	364 tablet	64 <input type="checkbox"/>	64 tab	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail	300 tablet (28/09/2018)			Prepared	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Metformin HCl 500 mg Tablet	1000 mg, BID, Oral, 26 Weeks 12/06/2018 09:06 AM - 11/12/2018 09:06 AM	728 tablet	128 <input type="checkbox"/>	128 tab	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail	600 tablet (28/09/2018)			Prepared	<input checked="" type="checkbox"/>

PHARMACY ORDER

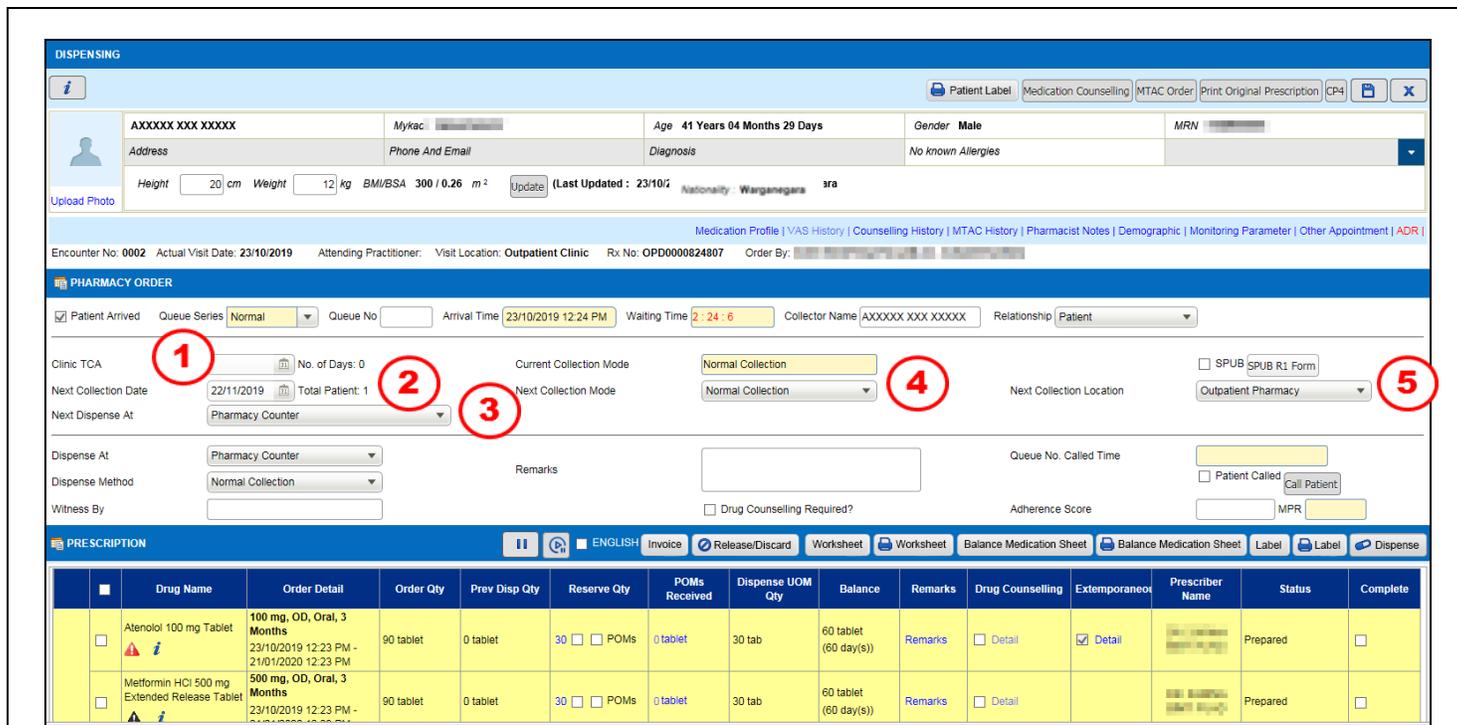
Patient Arrived Queue Series Normal Queue No Arrival Time Waiting Time

Figure 3.3-13 Dispensing

- **Patient Arrived** Checkbox not mandatory and no **Waiting Time** will be capture

3.4.1 Next Collection Record for Partial Supply

This function will allow user to set the next collection record before dispensing.



DISPENSING

AXXXXX XXX XXXXX Mykac: Age 41 Years 04 Months 29 Days Gender Male MRN
 Address Phone And Email Diagnosis No known Allergies
 Height 20 cm Weight 12 kg BMI/BSA 300 / 0.26 m² Update (Last Updated: 23/10/2019) Nationality: Warganegara ara

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By:

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: Arrival Time: 23/10/2019 12:24 PM Waiting Time: 2:24:6 Collector Name: AXXXXX XXX XXXXX Relationship: Patient

Clinic TCA: **1** No. of Days: 0 Current Collection Mode: Normal Collection **4** SPUB SPUB R1 Form **5**
 Next Collection Date: 22/11/2019 **2** Total Patient: 1 Next Collection Mode: Normal Collection **4** Next Collection Location: Outpatient Pharmacy **5**
 Next Dispense At: Pharmacy Counter **3**

Dispense At: Pharmacy Counter Remarks: Queue No. Called Time:
 Dispense Method: Normal Collection Patient Called Call Patient
 Witness By: Drug Counselling Required? Adherence Score: MPR

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail		Prepared	<input type="checkbox"/>
Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM -	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail			Prepared	<input type="checkbox"/>

Figure 3.4.1-1 Dispensing

STEP 1

Select date from the **Clinic TCA** calendar

STEP 2

Select date from the **Next Collection Date** calendar

Note

- This date will be retrieved from the third party appointment to visit clinic. However, user is allowed to select other date.
- This date will be reflected into 'Next Collection Date'. No. of Days will be automatically display.

STEP 3

Select the **Next Dispense at** from the dropdown menu:

- Pharmacy Counter
- Drive Through Counter
- Bedside
- Locker for You
- PPUSS

Note

- The **Next Collection Date** will be retrieved from balance medication record for patient to collect medication at dispensing counter. However, user is allowed to select other dates by selecting it manually.
- Changes on the **Next Collection Date** will not affect the **Clinic TCA** date. **Total patient** is the number of patients scheduled to come on the selected date.

STEP 4

Select the **Next Collection Mode (Value Added Services)** from the dropdown menu:

- Appointment Card
- Email and Take
- Fax and Take
- Normal Collection
- Others
- SMS and Take
- Telephone And Take
- UMP
- Leave and Collect
- Home Visit

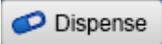
Note

- If user select **Next Collection Mode** from the dropdown menu (example : Appointment Card), for the second/next visit, **Current Collection Mode** will display based on **Next Collection Mode** selected and **Dispense Method** will follow value display in **Current Collection Mode**

STEP 5

Select the **Next Collection Location** from the drop down

STEP 6

Click on the  button to proceed with dispensing process



3.4.2 Hold and Resume

This function allows user to record any error during counter check at dispensing stage.

Hold Drug

DISPENSING

AXXXXX XXX XXXXX
Address

Mykac: [redacted]
Phone And Email

Age 41 Years 04 Months 29 Days
Diagnosis

Gender Male
No known Allergies

MRN [redacted]

Height cm Weight kg BMI/BSA 300 / 0.26 m² (Last Updated : 23/10/2019) Nationality : Warganegara

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) | [ADR](#)

Encounter No: 0002 Actual Visit Date: 23/10/2019 Attending Practitioner: Visit Location: Outpatient Clinic Rx No: OPD0000824807 Order By: [redacted]

PHARMACY ORDER

Patient Arrived Queue Series Queue No Arrival Time 23/10/2019 12:24 PM Waiting Time 2:24:6 Collector Name AXXXXX XXX XXXXX Relationship Patient

Clinic TCA No. of Days: 0 Current Collection Mode SPUB SPUB R1 Form
 Next Collection Date 22/11/2019 Total Patient: 1 Next Collection Mode Next Collection Location
 Next Dispense At

Dispense At Remarks Queue No. Called Time
 Dispense Method Patient Called
 Witness By Drug Counselling Required? Adherence Score MPR

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
<input checked="" type="checkbox"/> Atenolol 100 mg Tablet	100 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM - 21/01/2020 12:23 PM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail	[redacted]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Metformin HCl 500 mg Extended Release Tablet	500 mg, OD, Oral, 3 Months 23/10/2019 12:23 PM -	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tab	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail		[redacted]	Prepared	<input type="checkbox"/>

Figure 3.4.2-1 Dispensing screen

Hold

STEP 1

Select the drug and click on the button and Countercheck screen will be display as Figure 3.4.2-2

COUNTERCHECK

Drug Name	Reason	Correction Required	
Atenolol 100 mg Tablet	Wrong Patient Label 2	<input type="checkbox"/>	Add 3

/ 1

Drug Name	Reason	Selection
No record found		

Figure 3.4.2-2 Hold Order – Countercheck

STEP 2

Select **Reason** from dropdown menu:

- Intervention
- Not Filled

PB_U.MANUAL_OP-12th E

Page 102

- Wrong Drug Filled
- Wrong Label Information
- Wrong Patient Label
- Wrong Quantity Filled
- Wrong Strength Filled

Note

User is allowed to click on the Correction Required checkbox if necessary

STEP 3

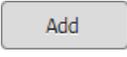
Click on the  button to add the reason and Countercheck display will be as Figure 3.4.2-3



Figure 3.4.2-3 Countercheck

Note

User is allowed to delete the reason by click on the  checkbox and click on the  button

STEP 4

Click on the  button and Confirmation Message will display as Figure 3.4.2-4

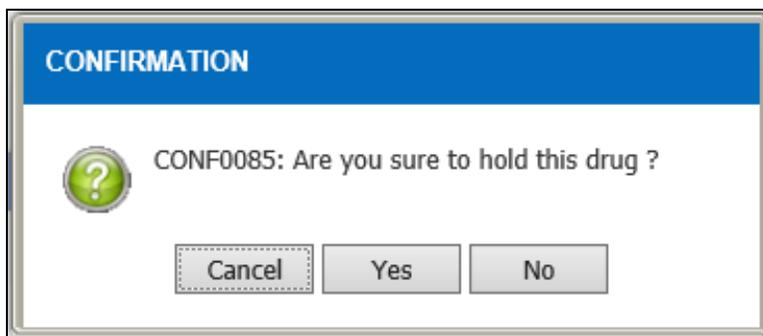
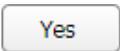
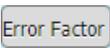


Figure 3.4.2-4 Confirmation Message

Note

- Click on the  button
- Drug status will change to Prepared/Hold (Dispensing screen) highlighted in red color

STEP 5

Click on the  button to record the error factor.

Note

Once hold the drug user able to record error factor as shown in Figure 3.4.2-5



No	Type of error	Date of Detection	Hold recorded time	Peak hour	Personnel Involved	Arrangement of products	Distraction	Factor		
1	Wrong Patient Label	25/10/2019	12:13:43 PM	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Assistant Pharmacist <input type="radio"/> Assistant Pharmacist Trainee <input type="radio"/> Pharmacist <input type="radio"/> Provision Registered Pharmacist	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="checkbox"/> Cramped Area <input type="checkbox"/> Disorganized <input type="checkbox"/> Humid <input type="checkbox"/> Lighting <input type="checkbox"/> Noise <input type="checkbox"/> Other	<input type="checkbox"/> Colour <input type="checkbox"/> Other <input type="checkbox"/> Shape <input type="checkbox"/> Similar Product Packaging	<input type="checkbox"/> Careless <input type="checkbox"/> Fatigue <input type="checkbox"/> Inexperience <input type="checkbox"/> Other <input type="checkbox"/> Personal Problem <input type="checkbox"/> Stress

Figure 3.4.2-5 Error Factor

Note

Fill in all information needed in the Error Factor screen

STEP 6

Click on the  button to save the error factor and Confirmation Message will display as Figure 3.4.2-6

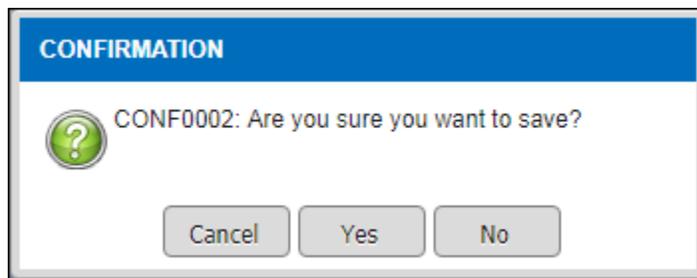
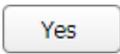


Figure 3.4.2-6 Confirmation Message

Note

- Click on the  button and Information Message will be displayed

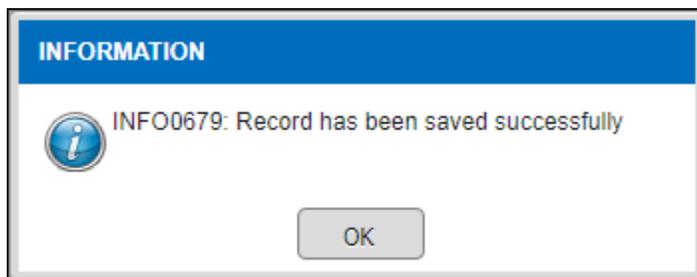
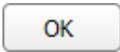


Figure 3.4.2-7 Information Message

- Click on the  button

Resume Drug

PHARMACY ORDER

Patient Arrived Queue Series: **Normal** Queue No: 3110 Arrival Time: 17/10/2019 11:56 AM Waiting Time: 195:43:44 Collector Name: SEH SIEW KEA Relationship: Patient

Clinic TCA: No. of Days: 0 Current Collection Mode: **Normal Collection** SPUB SPUB R1 Form
 Next Collection Date: 16/12/2019 Total Patient: 400 Next Collection Mode: **Normal Collection** Next Collection Location: **Farmasi Klinik Pakar**
 Next Dispense At: **Pharmacy Counter**

Dispense At: **Pharmacy Counter** Dispense Method: **Normal Collection** Witness By: Queue No. Called Time: Patient Called
 Drug Counselling Required? Adherence Score: MPR:

7

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
<input type="checkbox"/> Isosorbide Dinitrate 10 mg Tablet 	10 mg, TID, Oral, 179 Days 17/10/2019 11:56 AM - 13/04/2020 11:56 AM	537 tablet	0 tablet	180 <input type="checkbox"/> POMs	0 tablet	180 tablet	357 tablet (119 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet 	1 tablet, OM, Oral, 179 Days 17/10/2019 11:56 AM - 13/04/2020 11:56 AM	179 tablet	0 tablet	60 <input type="checkbox"/> POMs	0 tablet	60 tablet	119 tablet (119 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Atorvastatin 20 mg Tablet 	40 mg, ON, Oral, 179 Days 17/10/2019 11:56 AM - 13/04/2020 11:56 AM	358 tablet	0 tablet	120 <input type="checkbox"/> POMs	0 tablet	120 tablet	238 tablet (119 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Glyceryl Trinitrate 0.5 mg Tablet 	0.5 mg, PRN, Sublingual, 179 Days 17/10/2019 11:56 AM - 13/04/2020 11:56 AM	180 tablet	0 tablet	60 <input type="checkbox"/> POMs	0 tablet	60 tablet	120 tablet (119 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>
<input checked="" type="checkbox"/> Perindopril 4 mg Tablet 	2 mg, OD, Oral, 179 Days 17/10/2019 11:56 AM - 13/04/2020 11:56 AM	90 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet	60 tablet (119 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared/Hold	<input type="checkbox"/>

Figure 3.4.2-8 Dispensing screen

STEP 7

Select the drug with status Prepared/Hold and click on the button and Countercheck screen will be display as Figure 3.4.2-9

COUNTERCHECK

8
Error Factor
 Resume

1 / 1 [1 - 1/1]

Drug Name	Reason	Selection
Perindopril 4 mg Tablet	Wrong Patient Label	<input type="checkbox"/>

Figure 3.4.2-9 Resume Order Screen

STEP 8

Click on the Resume button and Confirmation Message will be display as Figure 3.4.2-10

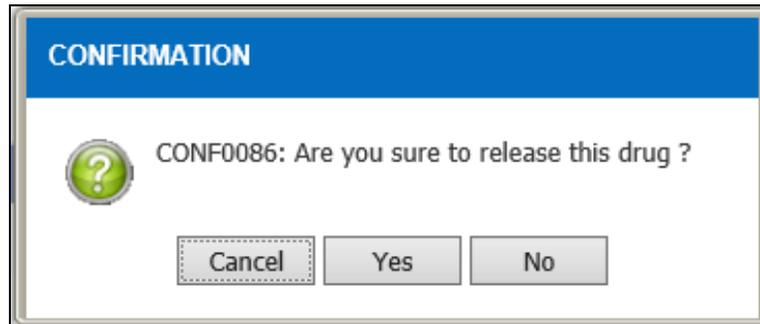
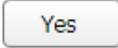


Figure 3.4.2-10 Confirmation Alert Message

Note

- Click on the  button and Information Message will be displayed

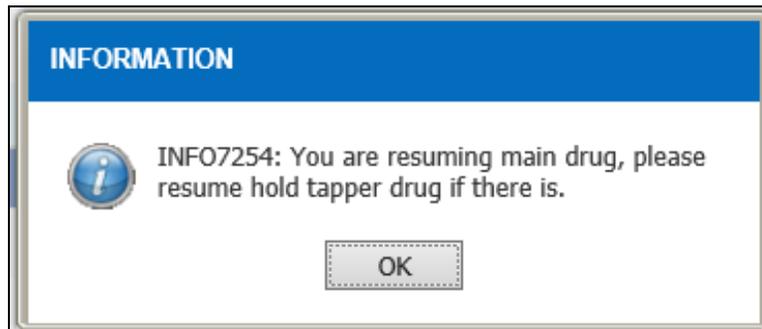
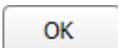


Figure 3.4.2-11 Information Alert Message

- Click on the  button

3.5 Partially Supply Record

Partially Supply record is where patient still have balance medication to be taken. Pharmacist will supply the balance medication by retrieving patient prescription info with the status of partially dispensed

3.5.1 Acknowledgement

Pharmacy Acknowledgement allows pharmacist to acknowledge patient arrival and assign queue number to the patient.

The screenshot shows the 'ACKNOWLEDGEMENT LIST' interface. It features a search filter area with dropdown menus for 'Dispensing Location', 'Order Location Type', 'Order Status', 'Order Location', 'IC No/Other Identification', 'Order Type', 'Order Date From', 'Order Date To', 'Next Collection Date From', 'Next Collection Date To', 'eGL Status', and 'Patient Type'. A 'Show All' checkbox is also present. Below the filters is a 'Basic Search' section with a search button. The main area contains a table with columns: MRN, Patient Name, IC No/Other Identification, Order Date, Order Time, Order Location, Prescription No, Order Type, Prescription Status, eGL Status, and Next Collection Date. A table row is highlighted with a red circle 3. The left menu has 'Acknowledgement' highlighted with a red circle 1. A search button is circled with a red circle 2.

Figure 3.5.1-1 Acknowledgement

STEP 1

Click on the 'Pharmacy Acknowledgement' sub menu

Note

- By default, list of patients will be display according to pharmacist's location access.
- Various search criteria are provided as below:

Basic Search			
No	Field	Description	Remark
a	Show All	Check box	Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location assigned to the user)	Able to filter and search patient's record by dispensing location
c	Order Status	- All - New Order - Partial Supply	Able to filter the order by order status
d	Order Location Type	Order location type (It will list down all active location type)	Able to filter and search patient's record name by order location type

e	Order Location	Order location. (It will list down all active visit location)	Able to filter and search patient's record by order location
f	MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
g	IC No/Other Identification	Identification Number	Allow to search by full or partial ID Number
h	Mode of Services	<ul style="list-style-type: none"> - All - Appointment Card - Email and Take - Fax and Take - Leave and Take - Normal Collection - SMS and Take - Telephone and Take - UMP - Others 	Allow user to search by patient registered with value added services for next collection
i	Order Type	<ul style="list-style-type: none"> - All - Normal - SPUB - Discharge - Referred Patient 	Able to filter and search patient's record by order type
j	Patient Name	Name of Patient	Allow to search by patient name
k	Acknowledged without patient arrival	Check box	Able to filter and search patients' record which was acknowledged without patient arrival
Advanced Search			
a	Order Date from	Order date from	Able to filter and search patient's record by order date from
b	Order Date To	Order date to	Able to filter and search patient's record by order date to
c	Next Collection Date From	Next Collection Date From	Able to filter and search patient's record by next collection date from
d	Next Collection Date To	Next Collection Date To	Able to filter and search patient's record by Next Collection Date to
e	eGL Status	<ul style="list-style-type: none"> - All - Paying - Non Paying 	Able to filter and search patient's record by eGL status
f	Patient Type	<ul style="list-style-type: none"> - All - Outpatient - Inpatient 	Able to filter and search patient's type
g	Clinic TCA Date	Clinic TCA Date	Able to filter and search patient's record by Clinic TCA Date

Table 3.5.1-1

STEP 2

Click on the  button to search the patient

STEP 3

Double click on the selected patient record and patient detail information will be display as per Figure 3.5.1-2

PHARMACY ACKNOWLEDGEMENT

Print Queue No Acknowledge X

DX XXXX XXXXX XXXXXX XXXXXX Mykad [REDACTED] Age 58 Years 02 Months 30 Days Gender Female MRN [REDACTED]

Address Phone And Email Diagnosis No known Allergies

Height [REDACTED] cm Weight [REDACTED] kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

Encounter No: 1012 Actual Visit Date: 01/11/2018 Visit Location: Klinik Ortopedik Rx No: KORTHO0000563752 Transcribed By: [REDACTED]

Original Prescription Serial No: #990844

PHARMACY ACKNOWLEDGEMENT

Patient Arrived Arrived Date [REDACTED] Arrived Time [REDACTED]

Queue No [REDACTED] Queue Series Normal Dispensing Location Farmasi Klinik Pakar

Collector Name DX XXXX XXXXX XXXXXX XXXXXX Relationship Patient SPUB [REDACTED]

PRESCRIPTIONS

Drug Name	Dosage Form	Drug Route	Dose	Frequency	Duration	Order Qty	Dispensed Qty	Balance	Start Date / Time	End Date / Time	Status	Remarks
Meloxicam 7.5 mg Tablet	Oral Tablet	Oral	7.5 mg	OD	365 Days	365 tablet	120	245 tablet	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Partially Dispensed	Remark
Ketoprofen 30 mg Transdermal Plaster	Plaster/Patches	Transdermal	1 patch	PRN	365 Days	365 patch	120	245 patch	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Stop	Remark
Paracetamol 500 mg Tablet	Oral Tablet	Oral	1000 mg	PRN4	365 Days	140 tablet	50	90 tablet	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Partially Dispensed	Remark
Omeprazole 20 mg Capsule	Oral Capsule	Oral	40 mg	OD	365 Days	730 capsule	240	490 capsule	01/11/2018 12:22:25 PM	01/11/2019 12:22:25 PM	Partially Dispensed	Remark
Ketoprofen 2.5% Gel	Topical Gel	LA	1 app	PRN	365 Days	120 g	30	90 g	01/11/2018 12:22:53 PM	01/11/2019 12:22:53 PM	Stop	Remark

Figure 3.5.1-2 Pharmacy Acknowledgement

STEP 4

Enter **Queue No**

Note

If user did not enter Queue No, user is allowed to enter at any dispensing stage (Verification, Preparation and Dispensing)

STEP 5

Click on the **Patient Arrived** check box and Confirmation Message will display as Figure 3.5.1-3

CONFIRMATION

CONF0099: Are you sure you want to acknowledge ?

Yes No

Figure 3.5.1-3 Confirmation Message

Note

- Click on the **Yes** button to acknowledge patient
- Arrived Date** and **Arrived Time** will be defaulted to current date and time.
- Collector Name** and **Relationship** will be default to the patient name. If collecting on behalf of patient, user may enter the collector details.

Note

User is allowed to acknowledge prescription without click on the **Patient Arrived** check box by follow :

Drug Name	Dosage Form	Drug Route	Dose	Frequency	Duration	Order Qty	Dispensed Qty	Balance	Start Date / Time	End Date / Time	Status	Remarks
Meloxicam 7.5 mg Tablet	Oral Tablet	Oral	7.5 mg	OD	365 Days	365 tablet	120	245 tablet	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Partially Dispensed	Remark
Ketoprofen 30 mg Transdermal Plaster	Plaster/Patches	Transdermal	1 patch	PRN	365 Days	365 patch	120	245 patch	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Stop	Remark
Paracetamol 500 mg Tablet	Oral Tablet	Oral	1000 mg	PRN4	365 Days	140 tablet	50	90 tablet	01/11/2018 12:21:52 PM	01/11/2019 12:21:52 PM	Partially Dispensed	Remark
Omeprazole 20 mg Capsule	Oral Capsule	Oral	40 mg	OD	365 Days	730 capsule	240	490 capsule	01/11/2018 12:22:25 PM	01/11/2019 12:22:25 PM	Partially Dispensed	Remark
Ketoprofen 2.5% Gel	Topical Gel	LA	1 app	PRN	365 Days	120 g	30	90 g	01/11/2018 12:22:53 PM	01/11/2019 12:22:53 PM	Stop	Remark

Figure 3.5.1-4 Pharmacy Acknowledgement

STEP 6

Enter **Queue No**

STEP 7

Click on the **Acknowledge** button and Confirmation Message will be display as Figure 3.5.1-5

Figure 3.5.1-5 Confirmation Message

Note

- Click on the **Yes** button to acknowledge patient
- Patient's record which was acknowledged without click on the **Patient Arrived** will be shown as Figure 3.5.1-6

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Home Acknowledgement

ACKNOWLEDGEMENT LIST

Dispensing Location: Farmasi Klinik Pakar

Order Status: All

Order Location: All

MRN: [Empty]

IC No/Other Identification: [Empty]

Order Type: All

Mode of Services: All

Patient Name: [Empty]

Order Date From: [Empty]

Order Date To: [Empty]

Next Collection Date From: 28/10/2019

Next Collection Date To: 08/11/2019

eGL Status: All

Patient Type: All

Acknowledged without patient arrival

Basic Search [Search]

MRN	Patient Name	IC No/Other Identification	Order Date	Order Time	Order Location	Prescription No	Order Type	Prescription Status	eGL Status	Next Collection Date
[Redacted]	LXX XXX XXXXX	[Redacted]	07/08/2019	11:27 AM	Normal	Klinik Pakar Perubatan - GIM 6	PCGIM000097653	Queue Details		04/10/2019
[Redacted]	RXXXXX XXXXX	[Redacted]	29/05/2019	10:30 AM	Normal	Klinik Pakar Perubatan - GIM 7	PCGIM000086769	Queue Details		24/09/2019
[Redacted]	CXXXXXXXX XXXXX	[Redacted]	06/09/2019	1:20 PM	Normal	Klinik Pakar Perubatan - GIM 1	PCGIM000102236	Queue Details		05/11/2019
[Redacted]	SXXXXXXXX XXXX	[Redacted]	03/09/2019	12:58 PM	Normal	Klinik Pakar Perubatan - Rheumatologi	PCRHEUMATO00 01016261	Queue Details		01/11/2019
[Redacted]	RXXXXX XX	[Redacted]	11/07/2019	7:05 PM	Normal	Klinik Pakar Perubatan -	PCGERIA000093	Queue Details		06/09/2019

Figure 3.5.1-6 Pharmacy Acknowledgement

Note

- At Acknowledgement screen, user need to click on the **Acknowledgement without patient arrival** to view patient's record
- User is allowed to enter Queue Details by click on the **Queue Details** hyperlink

STEP 8

Click on the **Queue Details** hyperlink and Queue Details screen will be display as Figure 3.5.1-7

QUEUE DETAILS

Print Queue No [Edit] [Refresh] [Close]

Patient Arrived

Arrived Date: [Empty] Arrived Time: [Empty]

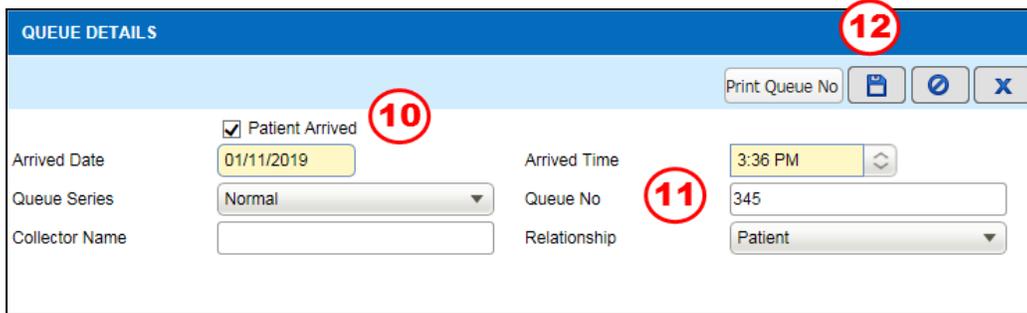
Queue Series: Normal Queue No: [Empty]

Collector Name: [Empty] Relationship: Patient

Figure 3.5.1-7 Queue Details

STEP 9

Click on the button



The screenshot shows a web form titled "QUEUE DETAILS" with a blue header. In the top right corner of the header is a red circle with the number "12" pointing to a "Print Queue No" button. Below the header, there is a "Patient Arrived" checkbox with a checkmark and a red circle with "10" next to it. The form contains several input fields: "Arrived Date" (01/11/2019), "Arrived Time" (3:36 PM), "Queue Series" (Normal), "Queue No" (345), "Collector Name" (empty), and "Relationship" (Patient). A red circle with "11" is next to the "Queue No" field. In the top right of the form area, there are three buttons: a save icon, a refresh icon, and a close icon (X).

Figure 3.5.1-8 Queue Details

STEP 10

Click on the **Patient Arrived** checkbox

STEP 11

Enter **Queue No**

Note

Enter **Collector Name** and select **Relationship** (optional)

STEP 12

Click on the  button to save the details

Note

Queue Details hyperlink will also can be find at any of Dispensing screen (Screening & Verification, Preparation and Dispensing)

3.5.2 Screening and Verification

This function is used to screen & verify prescription before preparation and dispensing stage

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Home | **Screening & Verification** | Logout

OUTPATIENT - SCREENING AND VERIFICATION

Dispensing Location: Farmasi Klinik Pakar
 Order Type: All
 Mode of Services: All
 IC No/Other Identification:
 Original Prescription Serial No.
 Order Location: All
 Order Date From:
 Next Collection Date From:
 Queue Date:
 Queue No:
 Clinic TCA Date:
 Patient Name:
 MRN:
 Order Status: All
 Prescription Status: All
 Order Location Type: All
 Order Date To:
 Next Collection Date To:
 Queue Series: All
 Next Dispense At: All

Basic Search Acknowledged Search

Queue No	MRN	Original Prescription Serial No.	Patient Name	Queue Series	Order Date Time	Order Location	Current Collection Mode	Order Type	Prescription Status	Arrival Time	Waiting Time
u010		fr1563793	BXXXXXXXX @ XXXXXXXX XX XXXX	Normal	21/10/2019 8:55 AM	Klinik Pakar Perubatan GIM		Normal	IN PROGRESS	21/10/2019 8:55 AM	270 : 51 : 39
3109		fr1672743	LXXX XXXX XXXX	Normal	21/10/2019 11:35 AM	Klinik Pembedahan Am		Normal	IN PROGRESS	21/10/2019 11:35 AM	268 : 11 : 22
3127		fr1695767	MXXXXXXXX XXXXXXX XXXX	Normal	21/10/2019 12:03 PM	Klinik Pakar Perubatan - GIM		Normal	IN PROGRESS	21/10/2019 12:03 PM	267 : 43 : 27

Figure 3.5.2-1 Screening & Verification

Note

- By default, Acknowledged checkbox will be checked but user is allowed to uncheck the checkbox.
- Once user unchecks the Acknowledged checkbox, the system will display a patient list where the prescription is not acknowledged yet and the user can proceed with the verification process without patient acknowledgement.
- Waiting time will be shown with different colors and indicates as follows:
 - Red - Patient has waited for more than 30 minutes.
 - Navy Blue - Patient has waited for more than 20 minutes but less than 30 minutes.
 - Green - Patient has waited for less than 20 minutes.

STEP 1

Click on 'Screening & Verification' sub menu

Note

Various search criteria are provided as follows:

Basic Search			
No	Field	Description	Remark
a	Show All	Check box	Able to view all patient records
b	Dispensing Location	Dispensing location. (It will list down all active locations assigned to the user)	Able to filter and search patient's record by dispensing location
c	Patient Name	Name of Patient	Allow to search by patient name
d	Order Type	- All - Normal	Able to filter and search patient's record name by order type

		<ul style="list-style-type: none"> - SPUB - Discharge - Referred Patient 	
e	MRN	Patient Medical Record Number	Search option: <ul style="list-style-type: none"> • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
f	Mode of Services	<ul style="list-style-type: none"> - All - Appointment Card - Email and Take - Fax and Take - Leave and Collect - Normal Collection - Others - SMS and Take - Telephone and Take - UMP 	Allow user to search by patient registered with value added services for next collection
g	Order Status	<ul style="list-style-type: none"> - All - New Order - Partial Supply 	Able to filter the order by order status
h	IC No/Other Identification	Identification Number	Allow to search by full or partial ID Number
i	Prescription Status	<ul style="list-style-type: none"> - All - Hold - Expired 	Able to filter by prescription status
j	Original Prescription Serial No	Original Prescription Serial No	Allow user to search by Original Prescription Serial No
Advanced Search			
k	Order Location	Order location. (It will list down all active visit location)	Able to filter and search patient's record by order location
l	Order Location Type	<ul style="list-style-type: none"> - All - Clinic - Day Care - ER - Nursing Unit - Pharmacy 	Able to filter and search patient's record by order location type
m	Order Date from	Order date from	Able to filter and search patient's record by order date from
n	Order Date To	Order date to	Able to filter and search patient's record by order date to
o	Queue Date	Queue Date	Able to patient's record by queue date
p	Queue Series	<ul style="list-style-type: none"> - All - Normal - Express - Special - Others 	Able to filter and search patient's record by Queue series
q	Queue No	Queue No	Able to filter and search by Queue No

r	Next Collection Date From	Next Collection Date From	Able to filter and search patient's record by next collection date from
s	Next Collection Date to	Next Collection Date To	Able to filter and search patient's record by Next Collection Date to
t	Next Dispense At	- Drive Through Counter - Pharmacy Counter - Bedside - Locker for You - PPUSS	Able to filter and search patient's record by Next Dispense At
u	Clinic TCA Date	Clinic TCA Date	Able to filter and search patient's record by Clinic TCA Date

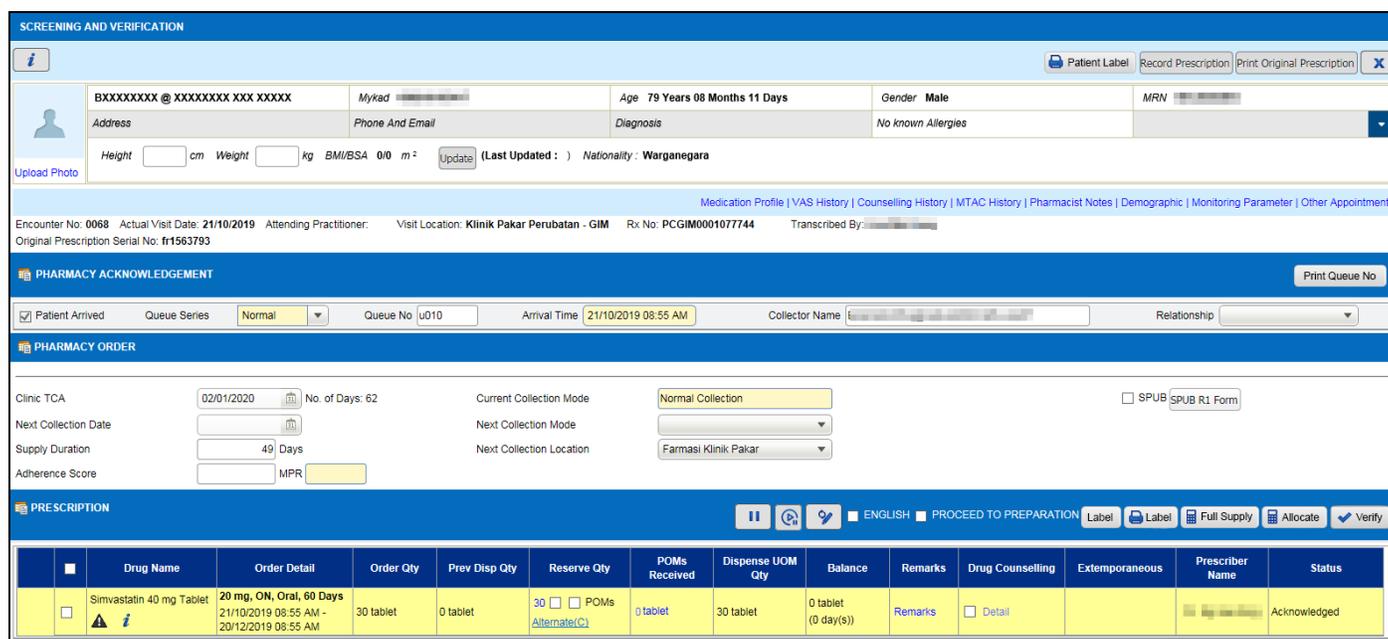
Table 3.5.2-1

STEP 2

Click on the  button to search the patient

STEP 3

Double click on the selected patient and Screening & Verification screen will display as shown in Figure 3.5.2-2



SCREENING AND VERIFICATION

BXXXXXXXX @XXXXXXXX XXX XXXXX Mykad [redacted] Age 79 Years 08 Months 11 Days Gender Male MRN [redacted]

Address [redacted] Phone And Email [redacted] Diagnosis [redacted] No known Allergies

Height [redacted] cm Weight [redacted] kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#)

Encounter No: 0068 Actual Visit Date: 21/10/2019 Attending Practitioner: Visit Location: Klinik Pakar Perubatan - GIM Rx No: PCGIM000107744 Transcribed By: [redacted]

Original Prescription Serial No: fr1563793

PHARMACY ACKNOWLEDGEMENT

Patient Arrived Queue Series: Normal Queue No: u010 Arrival Time: 21/10/2019 08:55 AM Collector Name: [redacted] Relationship: [redacted]

PHARMACY ORDER

Clinic TCA: 02/01/2020 No. of Days: 62 Current Collection Mode: Normal Collection SPUB SPUB R1 Form

Next Collection Date: [redacted] Next Collection Mode: [redacted]

Supply Duration: 49 Days Next Collection Location: Farmasi Klinik Pakar

Adherence Score: [redacted] MPR [redacted]

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Simvastatin 40 mg Tablet	20 mg, ON, Oral, 60 Days 21/10/2019 08:55 AM - 20/12/2019 08:55 AM	30 tablet	0 tablet	30 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate(C)	0 tablet	30 tablet	0 tablet (0 day(s))	Remarks	<input type="checkbox"/> Detail		[redacted]	Acknowledged

Figure 3.5.2-2 Screening & Verification

Note

- To proceed with verification process user can refer section [3.2 Verification](#)

3.6 SPUB

3.6.1 SPUB Out

3.6.1.1 Before Dispensing

SPUB Out Online (referring facility) enable user to send SPUB information to referred facility that is using PhIS during dispensing process

The screenshot displays the 'DISPENSING' interface. At the top, there are navigation buttons: Patient Label, Record Prescription, Medication Counselling, MTAC Order, Print Original Prescription, CP4, and a close button. Below this is a patient information section with fields for Name (LXX XXXX XXX), Mykad, Age (41 Years 05 Months 27 Days), Gender (Female), MRN, Address, Phone And Email, Diagnosis, and No known Allergies. There are also fields for Height, Weight, BMI/BSA, and Nationality (Warganegara). A 'SPUB R1 Form' button is circled in red with the number '1'. Below the patient info is a 'PHARMACY ORDER' section with a checked 'Patient Arrived' box, Queue Series (Normal), Queue No (4456), Arrival Time (29/10/2019 01:10 PM), Waiting Time (0:6:24), Collector Name (LXX XXXX XXX), and Relationship (Patient). A 'SPUB R1 Form' button is circled in red with the number '2'. Below this are fields for Clinic TCA, Next Collection Date, Next Dispense At, Dispense At, Dispense Method, and Witness By. There are also checkboxes for 'Drug Counselling Required?' and 'Patient Called'. At the bottom is a 'PRESCRIPTION' table with columns: Drug Name, Order Detail, Order Qty, Prev Disp Qty, Reserve Qty, POMS Received, Dispense UOM Qty, Balance, Remarks, Drug Counselling, Extemporaneous, Prescriber Name, Status, and Complete. Two prescriptions are listed: Perindopril 4 mg Tablet and Metformin HCl 500 mg Extended Release Tablet.

Figure 3.6.1.1-1 Dispensing

Note

User is able to send SPUB at any of dispensing stage (Verification, Preparation and Dispensing)

STEP 1

Click on check box at SPUB

STEP 2

Click on the  button and Figure 3.6.1.1-2 will display

SPUB FORM 5

	LXX XXXX XXX	Mykad: ██████████	Age: 41 Years 05 Months 27 Days	Gender: Female	MRN: ██████████
Address: ██████████		Phone And Email: ██████████		Diagnosis: ██████████	
Height: <input type="text"/> cm		Weight: <input type="text"/> kg		BMI/BSA: 0/0 m ²	
Update (Last Updated:)		Nationality: Warganegara			

PHARMACY ORDER

SPUB No: <input type="text"/>	
Referred From: <input type="text" value="HOSPITAL KUALA LUMPUR"/>	Referred To: <input type="text" value="Hospital Seri Manjung"/> 4
Contact Person / Office: <input type="text" value="Hadjah Mohd Taib"/>	Contact Person / Office: <input type="text"/>
Contact no / Ext No: <input type="text" value="0326155555"/>	Contact no / Ext No: <input type="text"/>
Fax No: <input type="text"/>	Fax No: <input type="text"/>
Next Collection Date: <input type="text" value="29/11/2019"/> 3	<input type="checkbox"/> Counselling Provided
Remarks: <input type="text"/>	Previous SPUB Referred To: <input type="text" value=""/>

	Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Atorvastatin 40 mg Tablet	40 mg, ON, 2 Months	60 tablet	30 tablet	0 tablet	<input type="text" value="30"/> tablet	Remark
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, 2 Months	60 tablet	30 tablet	0 tablet	<input type="text" value="30"/> tablet	Remark
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Perindopril 4 mg Tablet	4 mg, OD, 2 Months	60 tablet	30 tablet	0 tablet	<input type="text" value="30"/> tablet	Remark

Figure 3.6.1.1-2 SPUB Form

STEP 3

Select **Next Collection Date**

STEP 4

Select **Referred To** from button

Note

- enter **Contact Person/Office** , **Contact no / Ext No**, **Fax No** and **Remarks** if applicable (optional)
- User is allowed to check on the **Counselling Provided** checkbox
- by default, system will automatically check all the Drug but user is allowed to select which drug need to send to SPUB
- User is allowed to modify **Balance Quantity**

STEP 5

Click on the **Draft** button to save the record and Confirmation Message will display as Figure 3.6.1.1-3

CONFIRMATION

CONF0002: Are you sure you want to save?

Figure 3.6.1.1-3 Confirmation Message

Note

- Click on the  button to proceed the SPUB Order
- if there is drug with 0 dispense quantity, system will show confirmation message as shown in figure 3.6.1.1-4

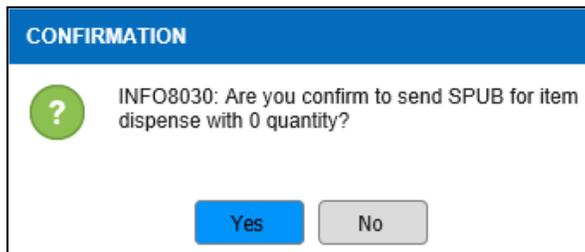
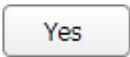
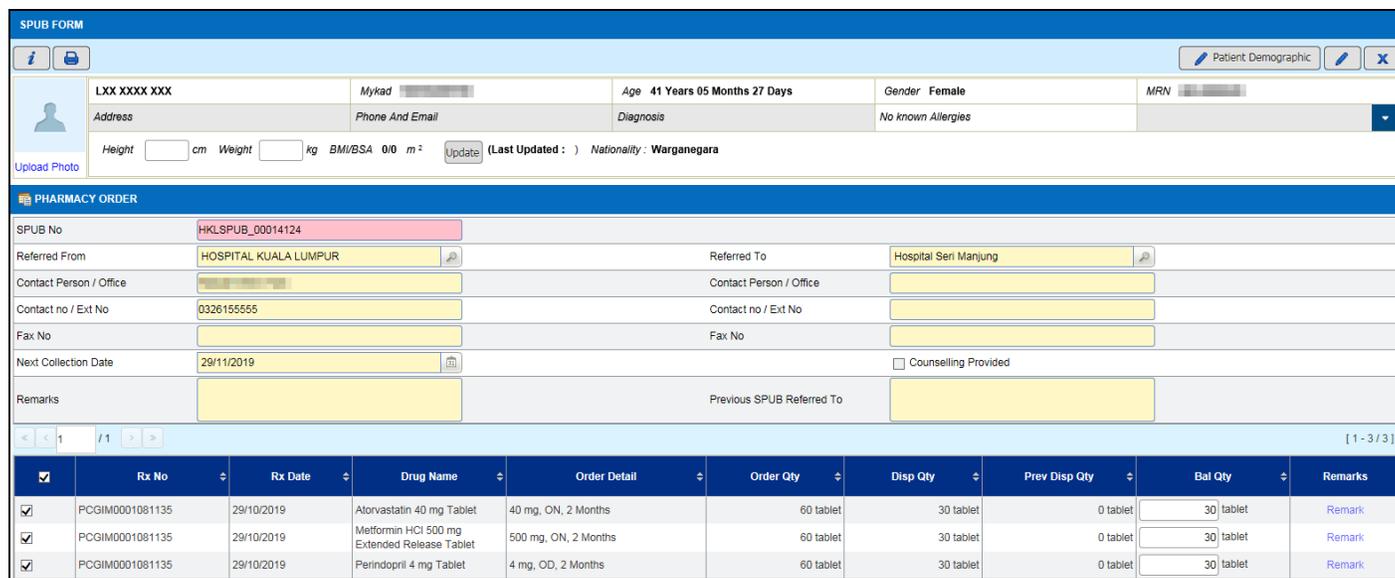


Figure 3.6.1.1-4 Confirmation Message

- Click on the  button to proceed the SPUB Order



The screenshot shows the 'SPUB FORM' interface. At the top, there are tabs for 'Patient Demographic' and a close button 'X'. Below this is a patient information section with fields for Mykad, Age (41 Years 05 Months 27 Days), Gender (Female), MRN, Address, Phone And Email, Diagnosis, and No known Allergies. There are also fields for Height, Weight, BMI/BSA, and Nationality (Warganegara). Below the patient information is the 'PHARMACY ORDER' section, which includes fields for SPUB No (HKLSPUB_00014124), Referred From (HOSPITAL KUALA LUMPUR), Referred To (Hospital Seri Manjung), Contact Person / Office, Contact no / Ext No, Fax No, Next Collection Date (29/11/2019), and Remarks. At the bottom, there is a table with columns: Rx No, Rx Date, Drug Name, Order Detail, Order Qty, Disp Qty, Prev Disp Qty, Bal Qty, and Remarks. The table contains three rows of medication orders.

	Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Atorvastatin 40 mg Tablet	40 mg, ON, 2 Months	60 tablet	30 tablet	0 tablet	30 tablet	Remark
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, 2 Months	60 tablet	30 tablet	0 tablet	30 tablet	Remark
<input checked="" type="checkbox"/>	PCGIM0001081135	29/10/2019	Perindopril 4 mg Tablet	4 mg, OD, 2 Months	60 tablet	30 tablet	0 tablet	30 tablet	Remark

Figure 3.6.1.1-5 SPUB Form

Note

- User is allowed to modify the record by click on the  button
- Click on the  button to close SPUB Form

PHARMACY ORDER

Patient Arrived Queue Series **Normal** Queue No **4456** Arrival Time **29/10/2019 01:10 PM** Waiting Time **0:40:57** Collector Name **LXX XXXX XXX** Relationship **Patient**

Clinic TCA No. of Days: **0** Current Collection Mode **Normal Collection** SPUB **SPUB R1 Form**

Next Collection Date Next Collection Mode **Normal Collection** Next Collection Location **Famasi Klinik Pakar**

Next Dispense At **Pharmacy Counter**

Dispense At **Pharmacy Counter** Remarks Queue No. Called Time

Dispense Method **Normal Collection** Patient Called

Witness By Drug Counselling Required? Adherence Score MPR

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
<input type="checkbox"/> Perindopril 4 mg Tablet	4 mg, OD, Oral, 2 Months 29/10/2019 01:02 PM - 28/12/2019 01:02 PM	60 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, Oral, 2 Months 29/10/2019 01:05 PM - 28/12/2019 01:05 PM	60 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 2 Months 29/10/2019 01:09 PM - 28/12/2019 01:09 PM	60 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Prescriber Name]	Prepared	<input type="checkbox"/>
<input type="checkbox"/> Atenolol 50 mg Tablet	50 mg, OD, Oral, 2 Months 29/10/2019 01:10 PM - 28/12/2019 01:10 PM	60 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	[Prescriber Name]	Stop	<input type="checkbox"/>

Figure 3.6.1.1-6 Dispensing

STEP 6

Click on the  button and Confirmation Message will be display as Figure 3.6.1.1-7

CONFIRMATION

 CONF0064: Do you want to dispense now?

Figure 3.6.1.1-7 Confirmation Message

Note

- Click on the  button to dispense the medication
- For SPUB record that successful send to referred to facility, user can view the status at SPUB Patient List module as shown in Figure 3.6.1.1-8

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

SPUB PATIENT LIST

SPUB No. [] SPUB From Facility []

Patient Name [] SPUB To Facility []

Original MRN [HKL0000026] Send/Receive Date From []

New MRN [] Send/Receive Date To []

IC No/Other Identification [] SPUB Sending Status [All]

SPUB Type [Referred]

Search []

Original MRNs	New MRN	Prescription No	Patient Name	IC No/Other Identification	SPUB No	SPUB Order Date	Order by	SPUB To/From	SPUB Type	SPUB Sending Status	SPUB Registered	SPUB Receiving Status
		PCGIM000108113 7	NX XXXXX-X		HKLSPUB_00014 125	30/10/2019 11:01 AM		Hospital Seri Manjung	Referred		Open	

Figure 3.6.1.1-8 SPUB Patient List

- user is allowed to cancel SPUB record by double click on the patient name and SPUB from screen will display as Figure 3.6.1.1-9

SPUB FORM

Cancel SPUB Patient Demographic

SXX XXX XX XXXX Mykad [] Age 63 Years 11 Months 18 Days Gender Male MRN []

Address [] Phone And Email [] Diagnosis [] No known Allergies

Height [] cm Weight [] kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

PHARMACY ORDER

SPUB No [HKLSPUB_0000371]

Referred From [Hospital Kuala Lumpur] Referred To [Hospital Tengku Ampuan Afzan, Kuantan]

Contact Person / Office [] Contact Person / Office []

Contact no / Ext No [0326155555] Contact no / Ext No []

Fax No [] Fax No []

Next Collection Date [17/07/2017] Counselling Provided

Remarks [ext :1175/1176] Previous SPUB Referred To []

Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
PCGASTRO0000117956	17/07/2017	Entecavir 0.5 mg Tablet	0.5 mg, Oral, OD ,60 Days	120 tablet	0 tablet	60 tablet	60 tablet	

Figure 3.6.1.1-9 SPUB Form

- Click on the button to cancel the SPUB Record
- If user send to offline Facility, system will display a Information Message after dispense as shown in Figure 3.6.1.1-10

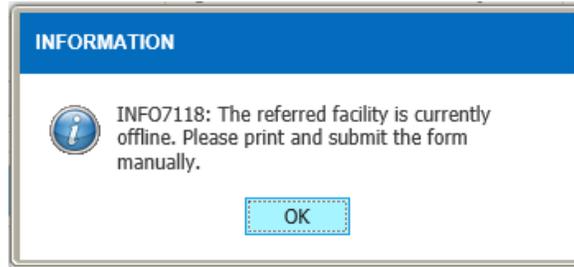
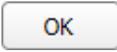


Figure 3.6.1.1-10 Information Message

- Click on the  button and user need to print SPUB Form and send manually to the referred facility

SPUB-R1 (Pindaan 3/2009)

RUJUKAN PRESKRIPSI SPUB | KEMENTERIAN KESIHATAN MALAYSIA

(Borang ini hendaklah dikemukakan kepada fasiliti yang dirujuk melalui faks/ e-mail/ pos dalam masa 7 hari bekerja dari tarikh pesakit diberi bekalan pertama)

Fasiliti Yang Merujuk		Fasiliti dirujuk		No. Rujukan (04295/10/2019)
Negeri	: WP Kuala Lumpur	Negeri	: Perak	
Hospital	: Hospital Kuala Lumpur	Hospital	: Hospital Seri Manjung	
Nombor SPUB	: HKLSPUB_00014126			
Daerah/Bandar	:	Daerah/Bandar	:	
No. Tel	: 0326155555	No. Tel	:	
No. Faks	:	No. Faks	:	

A. Maklumat Pesakit :

Nama : LXX XXX XX

Umur : 27 Years 4 Months 26 Days Jantina : Perempuan

No. Kad Pengenalan :  No. Telefon : 123456789

B. Maklumat Preskripsi :

No. Preskripsi : KNM0000560205 Tarikh Preskripsi : 30/10/2018

No. Siri Preskripsi : FR1035679 Tarikh Akan Datang : 22/01/2019

Catatan:

C. Maklumat Bekalan :

Tarikh	Nama Ubat	Maklumat Ubat	Baki Kuantiti	Tempoh Bekalan	Jumlah Penuh Kuantiti	Catatan Preskripsi
30/10/2018	Pyridostigmine Bromide 60 mg Tablet	60 mg PRN, Oral, 365 Days	90 tablet	365 Days	120 tablet	

D. Kaunseling telah diberikan Ya Tidak

(Jika Ya, sila lampirkan rekod kaunseling)

Tandatangan : 

Nama : 

Jawatan : 

Untuk diisi oleh Fasiliti yang menerima rujukan :

Tarikh preskripsi dibekal	Tempoh preskripsi dibekal	Tarikh bekalan akan datang	Bilangan Item/Kos ubat (keseluruhan)			
			Kategori A		Kategori lain	
			Item	Kos	Item	Kos
Jumlah keseluruhan						

Figure 3.6.1.1-11 SPUB Form

3.6.1.2 After Dispensing

SPUB Out Online (referring facility) enable user to request for SPUB after dispense.

SPUB menu will allow pharmacist to request for SPUB after the dispensing process and only for partial supply drug

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Home SPUB Patient List

SPUB PATIENT LIST

New SPUB

SPUB No. SPUB From Facility

Patient Name SPUB To Facility

Original MRN Send/Receive Date From

New MRN Send/Receive Date To

IC No/Other Identification SPUB Sending Status

SPUB Type

Search

Original MRN	New MRN	Prescription No	Patient Name	IC No/Other Identification	SPUB No	SPUB Order Date	Order by	SPUB To/From	SPUB Type	SPUB Sending Status	SPUB Registered	SPUB Receiving Status
		KPSY0000116891	YONG WAI LING	870414565570	HKLSPUB_00000365	17/05/2017 9:27 AM		Hospital Sungai Buloh	Referred		Open	
		KNM0000117648	TAY GIN KEE	600922045205	HKLSPUB_00000366	17/05/2017 4:20 PM		Hospital Melaka	Referred		Open	
		KURO000012131	TING SENG LANG	421001085161	HKLSPUB_00000367	25/05/2017 2:23 PM		Klinik Kesihatan Kemayan	Referred	✓	Open	
		KURO0000118045	AZIZ BIN HASSAN	520628045319	HKLSPUB_00000368	28/05/2017 2:00 PM		Hospital Banting	Referred		Open	
		KURO0000117937	CHEE KOK LEE	480125025179	HKLSPUB_00000369	28/05/2017 2:03 PM		Klinik Kesihatan Klang (ANIKA)	Referred		Open	
		KURO0000078036	RAMANATHA	411228045245	HKLSPUB_00000370	26/05/2017 2:05 PM		Hospital Putrajaya	Referred		Open	
		PCGASTRO0000117956	SZE TOO YU KENG	551112075105	HKLSPUB_00000371	28/05/2017 2:06 PM		Hospital Tengku Ampuan Afzan, Kuantan	Referred	✓	Open	

Figure 3.6.1.2-1 SPUB Patient List

STEP 1

Click on the 'Pharmacy Transaction' menu and click on 'Dispensing' sub-menu then click on 'Normal'

STEP 2

Click on the 'SPUB Patient List'

STEP 3

Click on the **New SPUB** button and Patient Search window will be display as Figure 3.6.1.2-2

New SPUB

Patient Search

Patient MRN: Patient Name:

ID No:

< < 1 / 5202 > > [1 - 10 / 52019]

Patient MRN	Patient Name	ID No	Prescription No
	DXXXX XX XXXX XXXXXX		PCENDO0000559859
	HXXXX XX XXXXXXXX		PCGIM0000313297
	YXXX XXX XXXX		KORTHO0000560856
	AX XXXX XXXXXX		KENT0000561277
	BXXXXXXXX		KORTHO0000559904
	AXX XXXXXX XXXXXXXX		PCGIM0000562105
	LXX XXX XX		KNM0000560205
	LXX XXX XXXXX		KD0000560057
	GXX XXX XXXX		KURO0000563186
	WXXX XXXX XXXX		KURO0000560273

Figure 3.6.1.2-2 Patient Search

Note

- search patient by entering value in **Patient MRN, Patient Name** or **ID No** and click on the  button
- Double click on the selected patient

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

SPUB PATIENT LIST

New SPUB:

SPUB No:

Patient Name:

Original MRN:

New MRN:

IC No/Other Identification:

SPUB Type:

SPUB From Facility:

SPUB To Facility:

Send/Receive Date From:

Send/Receive Date To:

SPUB Sending Status:

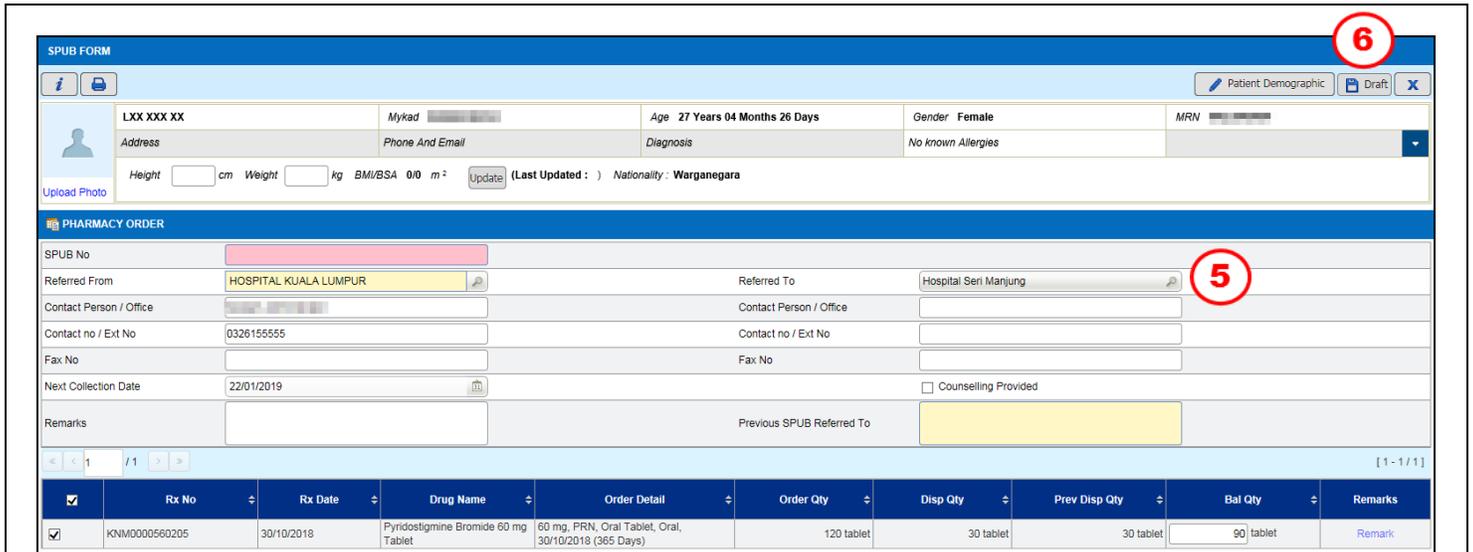
< < 1 / 934 > > [1 - 10 / 9339]

Original MRN	New MRN	Prescription No	Patient Name	IC No/Other Identification	SPUB No	SPUB Order Date	Order by	SPUB To/From	SPUB Type	SPUB Sending Status	SPUB Registered	SPUB Receiving Status
		KPSY0000116891	YONG WAI LING	870414565570	HKLSPUB_00000365	17/05/2017 9:27 AM		Hospital Sungai Buloh	Referred	⊗	Open	
		KNM0000117648	TAY GIN KEE	600922045205	HKLSPUB_00000366	17/05/2017 4:20 PM		Hospital Melaka	Referred	⊗	Open	
		KURO0000121318	TING SENG LANG	421001085161	HKLSPUB_00000367	25/05/2017 2:23 PM		Klinik Kesihatan Kemayan	Referred	✓	Open	

Figure 3.6.1.2-3 SPUB Patient List

STEP 4

Click on the button and SPUB Form screen will be display as Figure 3.6.1.2-4



SPUB FORM

6

Patient Demographic Draft X

LXX XXX XX Mykad [redacted] Age 27 Years 04 Months 26 Days Gender Female MRN [redacted]

Address Phone And Email Diagnosis No known Allergies

Height [] cm Weight [] kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

PHARMACY ORDER

SPUB No [redacted]

Referred From HOSPITAL KUALA LUMPUR Referred To Hospital Seri Manjung 5

Contact Person / Office [redacted] Contact Person / Office [redacted]

Contact no / Ext No 0326155555 Contact no / Ext No [redacted]

Fax No [redacted] Fax No [redacted]

Next Collection Date 22/01/2019 Counselling Provided

Remarks [redacted] Previous SPUB Referred To [redacted]

<input checked="" type="checkbox"/>	Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
<input checked="" type="checkbox"/>	KNM0000560205	30/10/2018	Pyridostigmine Bromide 60 mg Tablet	60 mg, PRN, Oral Tablet, Oral, 30/10/2018 (365 Days)	120 tablet	30 tablet	30 tablet	90 tablet	Remark

Figure 3.6.1.2-4 SPUB Form

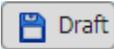
STEP 5

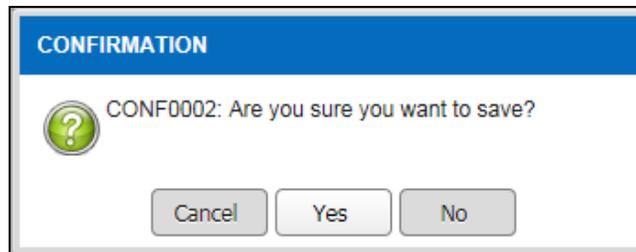
Select **Referred To** from button 

Note

- enter **Contact Person/Office** , **Contact no / Ext No**, **Fax No** and **Remarks** if applicable (optional)
- User is allowed to check on the **Counselling Provided** checkbox
- by default, system will automatically check all the Drug but user is allowed to select which drug need to send to SPUB
- User is allowed to modify **Balance Quantity**

STEP 6

Click on the  button to save the record and Confirmation Message will display as Figure 3.6.1.2-5



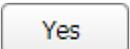
CONFIRMATION

CONF0002: Are you sure you want to save?

Cancel Yes No

Figure 3.6.1.2-5 Confirmation Message

Note

Click on the  button to proceed the SPUB Order

7

SPUB FORM

Patient Demographic
 Send

	LXX XXX XX	Mykad: ██████████	Age: 27 Years 04 Months 26 Days	Gender: Female	MRN: ██████████
Address		Phone And Email		Diagnosis	
No known Allergies					
Height: <input type="text"/> cm Weight: <input type="text"/> kg BMI/BSA: 0/0 m ² <input type="button" value="Update"/> (Last Updated:) Nationality: Warganegara					

PHARMACY ORDER

SPUB No: HKLS PUB_00014126	
Referred From: HOSPITAL KUALA LUMPUR	Referred To: Hospital Seri Manjung
Contact Person / Office: ██████████	Contact Person / Office: ██████████
Contact no / Ext No: 0326155555	Contact no / Ext No: ██████████
Fax No: ██████████	Fax No: ██████████
Next Collection Date: 22/01/2019	<input type="checkbox"/> Counselling Provided
Remarks: ██████████	Previous SPUB Referred To: ██████████

< 1 / 1 >
[1 - 1 / 1]

	Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
<input checked="" type="checkbox"/>	KNM0000560205	30/10/2018	Pyridostigmine Bromide 60 mg Tablet	60 mg, PRN, Oral Tablet, Oral, 30/10/2018 (365 Days)	120 tablet	30 tablet	30 tablet	90 tablet	Remark

Figure 3.6.1.2-6 SPUB Form

Note

User is allowed to modify the record by click on the button

STEP 7

Click on the button to send SPUB record

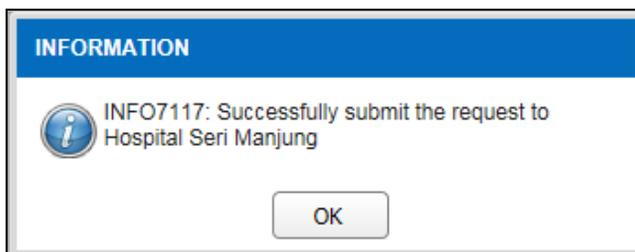


Figure 3.6.1.2-7 Information Message

Note

- Click on the button
- If user send to offline Facility, system will display a Information Message after dispense as shown in Figure 3.6.1.2-8

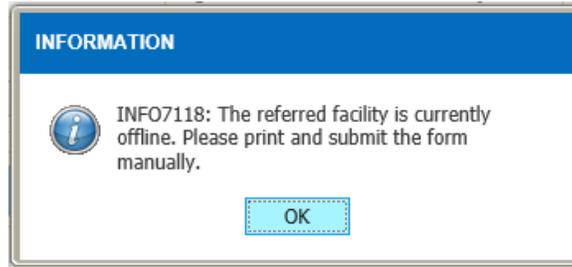


Figure 3.6.1.2-8 Information Message

- Click on the  button and user need to print SPUB Form and send manually to the referred facility

SPUB-R1 (Pindaan 3/2009)

RUJUKAN PRESKRIPSI SPUB | KEMENTERIAN KESIHATAN MALAYSIA

(Borang ini hendaklah dikemukakan kepada fasiliti yang dirujuk melalui faks/ e-mail/ pos dalam masa 7 hari bekerja dari tarikh pesakit diberi bekalan pertama)

Fasiliti Yang Merujuk		Fasiliti dirujuk		No. Rujukan (04295/10/2019)
Negeri	: WP Kuala Lumpur	Negeri	: Perak	
Hospital	: Hospital Kuala Lumpur	Hospital	: Hospital Seri Manjung	
Nombor SPUB : HKLSPUB_00014126				
Daerah/Bandar :		Daerah/Bandar :		
No. Tel	: 0326155555	No. Tel	:	
No. Faks	:	No. Faks	:	

A. Maklumat Pesakit :

Nama : LXX XXX XX _____

Umur : 27 Years 4 Months 26 Days _____ Jantina : Perempuan _____

No. Kad Pengenalan : _____ No. Telefon : 123456789 _____

B. Maklumat Preskripsi :

No. Preskripsi : KNM0000560205 Tarikh Preskripsi : 30/10/2018

No. Siri Preskripsi : FR1035679 Tarikh Akan Datang : 22/01/2019

Catatan:

C. Maklumat Bekalan :

Tarikh	Nama Ubat	Maklumat Ubat	Baki Kuantiti	Tempoh Bekalan	Jumlah Penuh Kuantiti	Catatan Preskripsi
30/10/2018	Pyridostigmine Bromide 60 mg Tablet	60 mg PRN, Oral, 365 Days	90 tablet	365 Days	120 tablet	

D. Kaunseling telah diberikan Ya Tidak

(Jika Ya, sila lampirkan rekod kaunseling)

Tandatangan : _____

Nama : _____

Jawatan : _____

Untuk diisi oleh Fasiliti yang menerima rujukan :

Tarikh preskripsi dibekal	Tempoh preskripsi dibekal	Tarikh bekalan akan datang	Bilangan Item/Kos ubat (keseluruhan)			
			Kategori A		Kategori lain	
			Item	Kos	Item	Kos
Jumlah keseluruhan						

Figure 3.6.1.2-9 SPUB Form

3.6.2 SPUB In

3.6.2.1 SPUB In Online

SPUB In Online (referred facility) enable user to received SPUB information from other facility that is using PhIS (referring facility).

PHARMACY INFORMATION SYSTEM

Transaction Table:

Transaction Type	Transaction No.	Item Group	Date/Time	Task Status	From Unit/Department	From User
Receive Internal	F02SSFKP-0018229	Drug	21/10/2019 05:01 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	F02SSFKP-0018231	Drug	21/10/2019 05:54 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	F02SSFKP-0018224	Drug	21/10/2019 06:17 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Indent(Internal)	K19016509	Drug	22/10/2019 08:56 AM	Pending For Approval	Farmasi Klinik Pakar	
Receive Internal	F02SSFKP-0018240	Drug	22/10/2019 11:19 AM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	I02SSFKP-0035112	Drug	22/10/2019 11:46 AM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	I02SSFKP-0035121	Drug	22/10/2019 12:48 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	I02SSFKP-0035122	Drug	22/10/2019 12:56 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	I02SSFKP-0035123	Drug	22/10/2019 01:05 PM	Pending For Approval	Substor Farmasi Klinik Pakar	
Receive Internal	F02SSFKP-0018242	Drug	22/10/2019 01:07 PM	Pending For Approval	Substor Farmasi Klinik Pakar	

Notification Table:

Notification Type	Notification No	Title	Date	From Facility/Unit	Attachment
No Records Found!					
External Notification					
Online SPUB R1 Request Received:	213				
Online Indent SPUB Received:	14				
Online Issue SPUB Request Received:	0				
Online Indent Manufacturing Received:	1				
Online Issue Manufacturing Received:	0				

Figure 3.6.2.1-1 PhIS Home Page

STEP 1

Click on the Online SPUB R1 Request Received **213** button from External Notification section and SPUB Listing screen will be display

SPUB LISTING

Search filters: Patient Name, SPUB Number, IC NO/Other Identification, SPUB From Facility, Register Status (All). Search button.

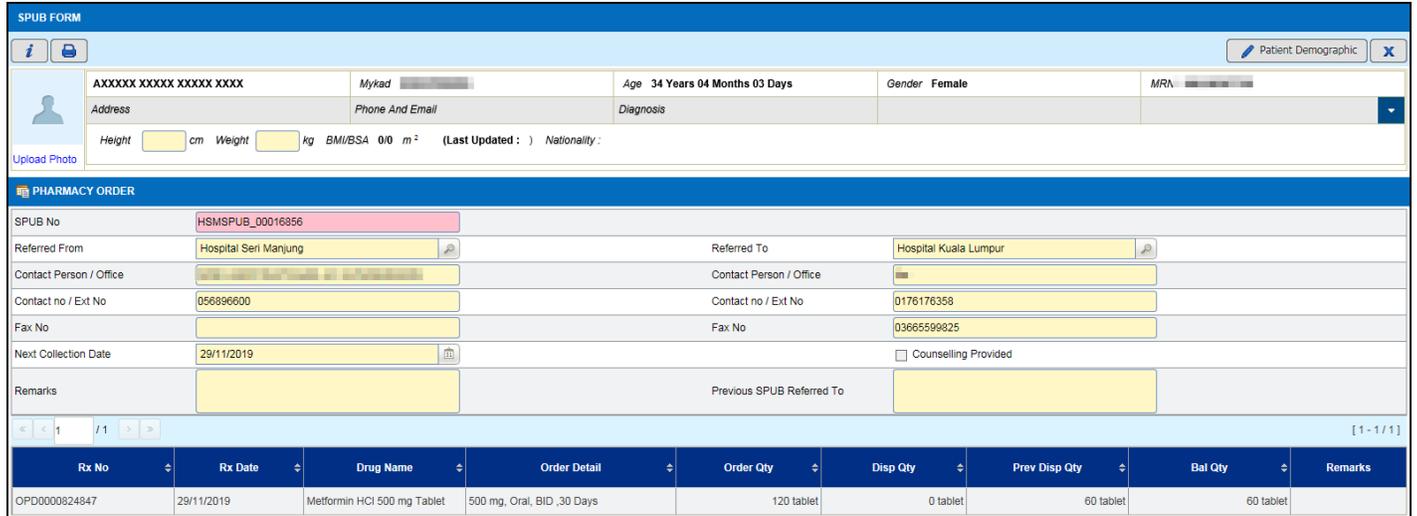
SPUB Listing Table:

SPUB No	Patient Name	Gender	Age	From(Hospital/Clinic)	Appointment Date	Request Date	Register
HSMSPUB_00016856		Female	34	Hospital Seri Manjung	29/11/2019	30/10/2019	Register
HPDSPUB_00004157		Female	60	Hospital Port Dickson	21/11/2019	22/10/2019	Register
KKE020081SPUB_00002750		Female	67	Klinik Kesihatan Taman Selasih	21/11/2019	22/10/2019	Register
KKE040020SPUB_00005072		Male	72	Klinik Kesihatan Klebang Besar	15/11/2019	18/10/2019	Register
HSRSPUB_00010028		Male	24	Hospital Slim River	15/11/2019	17/10/2019	Register
HSLYSPUB_00005411		Male	65	Hospital Selayang	24/10/2019	17/10/2019	Register
KKE100035SPUB_00000691		Male	54	Klinik Kesihatan Batu 14 (Hulu Langat)	15/11/2019	17/10/2019	Register
KKE100204SPUB_00000824		Female	49	Klinik Kesihatan Gombak Setia	15/11/2019	16/10/2019	Register
HSLYSPUB_00005396		Female	26	Hospital Selayang	15/11/2019	16/10/2019	Register
HKLGSPUB_00006657		Male	34	Hospital Enche Besar Hajah Kalsom Kuang	14/11/2019	15/10/2019	Register

Figure 3.6.2.1-2 SPUB Listing

Note

- Click on the SPUB No hyperlink and SPUB Form will be display as Figure 3.6.2.1-3



SPUB FORM

AXXXXX XXXXXX XXXXXX XXXX Mykad: [REDACTED] Age: 34 Years 04 Months 03 Days Gender: Female MRA: [REDACTED]

Address: [REDACTED] Phone And Email: [REDACTED] Diagnosis: [REDACTED]

Height: [REDACTED] cm Weight: [REDACTED] kg BMI/BSA: 0/0 m² (Last Updated:) Nationality:

PHARMACY ORDER

SPUB No: HSMSPUB_00016856

Referred From: Hospital Seri Manjung Referred To: Hospital Kuala Lumpur

Contact Person / Office: [REDACTED] Contact Person / Office: [REDACTED]

Contact no / Ext No: 056896600 Contact no / Ext No: 0176176358

Fax No: [REDACTED] Fax No: 03665599825

Next Collection Date: 29/11/2019 Counselling Provided

Remarks: [REDACTED] Previous SPUB Referred To: [REDACTED]

[1 - 1 / 1]

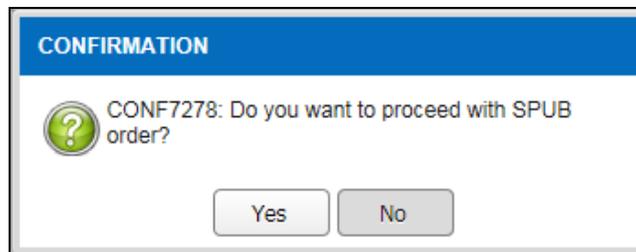
Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
OPD0000824847	29/11/2019	Metformin HCl 500 mg Tablet	500 mg, Oral, BID, 30 Days	120 tablet	0 tablet	60 tablet	60 tablet	

Figure 3.6.2.1-3 SPUB Form

- User can view/print SPUB Form by click on the  button
- For facility with Implementation type is Inventory (D), there are able to view SPUB R1 Request Received notification but cannot register SPUB patient. They are only able to view and print SPUB Form (Figure 3.6.2.1-3)

STEP 2

Click on the **Register** hyperlink and Confirmation Message will be display as Figure 3.6.2.1-4



CONFIRMATION

 CONF7278: Do you want to proceed with SPUB order?

Figure 3.6.2.1-4 Confirmation Message

Note

- If user click on the button, SPUB Order will automatically inserted into the draft list in medication order screen as shown in Figure 3.6.2.1-5

MEDICATION ORDER

Select Registered Patient: All | Dispensing Location: Farmasi Klinik Pakar

XXXXXXXX XXXXXX XXXX | Mykad: | Age: 34 Years 04 Months 03 Days | Gender: Female | MRV: |

Address: | Phone And Email: | Diagnosis: | No known Allergies

Height: 166 cm | Weight: 66 kg | BMI/BSA: 24 / 1.74 m² | G6PD: | Update (Last Updated: 30/10/2019) | Nationality: |

VISIT/ADMISSION

Encounter No: 0010 | Visit Type: SPUB | Location: Farmasi Klinik Pakar | Department: Pharmacy

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal | Queue No: | Original Prescription Serial No: OPD0000824847 | Clinic TCA: |

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: | Drug: | Dosage: 0 | Admin Route: | Frequency: | Duration: | Start Date / Time: 30/10/2019 3:23 PM | End Date / Time: 30/10/2019 3:23 PM | Order Quantity: 0

Alert: 1. Metformin HCl 500 mg Tablet | Order Details: 500 mg, BD (twice daily), Oral Tablet, Oral, 29/11/2019 (30 Days) | Order Qty: 60 tablet (RM 6.00)

Figure 3.6.2.1-5 Medication Order

- If user click on the **No** button, SPUB Order will not save into medication order draft list but SPUB Visit will be created
- user need to search the registered SPUB patient in record prescription as shown in Figure 3.6.2.1-6

MEDICATION ORDER

Select Registered Patient: All | Dispensing Location: Farmasi Klinik Pakar

Figure 3.6.2.1-6 Record Prescription

STEP 3

Search SPUB registered patient and Medication Order screen will be display as Figure 3.6.2.1-7

MEDICATION ORDER

Select Registered Patient: All | Dispensing Location: Farmasi Klinik Pakar

HXXXXXXXX XXXXXX XIX XXXXXX XXXXX | Mykad: | Age: 65 Years 07 Months 24 Days | Gender: Male | MRV: |

Address: | Phone And Email: | Diagnosis: | No known Allergies

Height: cm | Weight: kg | BMI/BSA: 0/0 m² | G6PD: | Update (Last Updated:) | Nationality: |

VISIT/ADMISSION

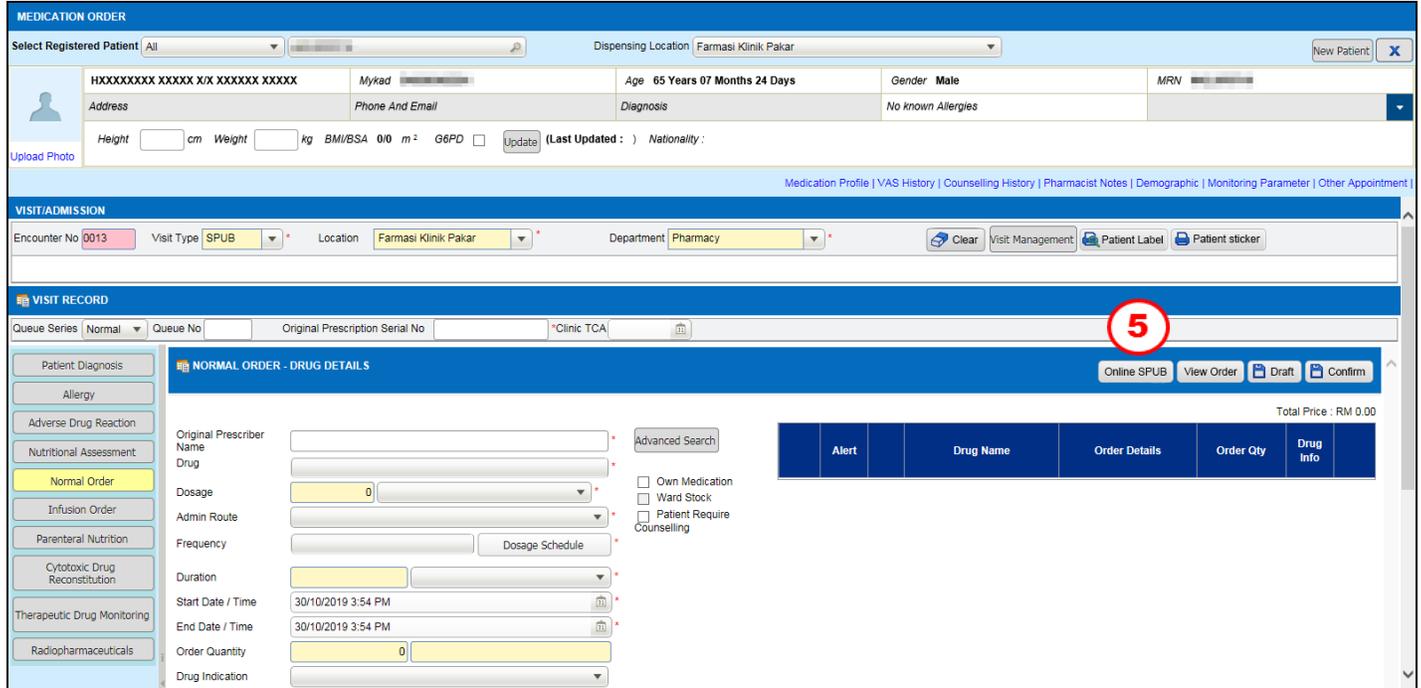
Encounter No: | Visit Type: Outpatient | Location: | Department: |

Encounter No	Visit/Admission Date	Visit Type	Renew	Visit Location	Department	Discharge Date
0013	30/10/2019	SPUB	Renew Visit	Farmasi Klinik Pakar	Pharmacy	

Figure 3.6.2.1-7 Medication Order

STEP 4

Double click on the visit information



MEDICATION ORDER

Select Registered Patient: All [Patient ID] Dispensing Location: Farmasi Klinik Pakar [New Patient X]

HXXXXXXXX XXXXX X/X XXXXXX XXXXX Mykad: [ID] Age: 65 Years 07 Months 24 Days Gender: Male MRN: [ID]
 Address: [Address] Phone And Email: [Phone] Diagnosis: [Diagnosis] No known Allergies
 Height: [] cm Weight: [] kg BMI/BSA: 0/0 m² G6PD: [] Update (Last Updated:) Nationality: []

Medication Profile | VAS History | Counseling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment |

VISIT/ADMISSION

Encounter No: 0013 Visit Type: SPUB Location: Farmasi Klinik Pakar Department: Pharmacy [Clear] [Visit Management] [Patient Label] [Patient sticker]

VISIT RECORD

Queue Series: Normal Queue No: [] Original Prescription Serial No: [] *Clinic TCA: [] **5**

NORMAL ORDER - DRUG DETAILS [Online SPUB] [View Order] [Draft] [Confirm]

Total Price: RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info

Own Medication
 Ward Stock
 Patient Require Counseling

Original Prescriber Name: []
 Drug: []
 Dosage: [0]
 Admin Route: []
 Frequency: [] Dosage Schedule: []
 Duration: []
 Start Date / Time: 30/10/2019 3:54 PM
 End Date / Time: 30/10/2019 3:54 PM
 Order Quantity: [0]
 Drug Indication: []

Figure 3.6.2.1-8 Medication Order

STEP 5

Click on the **Online SPUB** button and SPUB Listing screen will display as Figure 3.6.2.1-9



SPUB LISTING [X]

<< 1 / 1 >> [1 - 9 / 9]

SPUB No	Patient Name	Gender	6	From(Hospital/Clinic)	Appointment Date	Request Date
HKLSPUB_00008637	[Name]	M	65	Hospital Selayang		19/03/2019

Figure 3.6.2.1-9 SPUB Listing

STEP 6

Double click on the list and SPUB Order will be updated in the medication order as shown in Figure 3.6.2.1-10

MEDICATION ORDER

Select Registered Patient: All [Patient ID] Dispensing Location: Farmasi Klinik Pakar [New Patient X]

Address: HXXXXXXXXX XXXXXX X/X XXXXXXX XXXXXX
 Mykad: [Mykad] Age: 65 Years 07 Months 24 Days Gender: Male MRN: [MRN]
 Address: [Address] Phone And Email: [Phone And Email] Diagnosis: [Diagnosis] No known Allergies
 Height: [] cm Weight: [] kg BMI/BSA: 0/0 m² G6PD: [] Update (Last Updated:) Nationality: []

Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment |

VISIT/ADMISSION

Encounter No: 0013 Visit Type: SPUB Location: Farmasi Klinik Pakar Department: Pharmacy [Clear] [Visit Management] [Patient Label] [Patient sticker]

VISIT RECORD

Queue Series: Normal Queue No: [] Original Prescription Serial No: FKP0000762394 *Clinic TCA: [] 7

NORMAL ORDER - DRUG DETAILS SPUB Form Online SPUB View Order Draft Confirm

Total Price: RM 140.30

Alert	Drug Name	Order Details	Order Qty	Drug Info
⚠	1. Finasteride 5 mg Tablet	5 mg, OD (once daily), Oral Tablet, Oral, 19/03/2019 (122 Days)	122 tablet (RM 36.60)	[i] [trash]
⚠	2. Alfuzosin HCl 10 mg Tablet	10 mg, HS (at bedtime), Oral Tablet, Oral, 19/03/2019 (122 Days)	122 tablet (RM 103.70)	[i] [trash]

Figure 3.6.2.1-10 Medication Order

STEP 7

Click on the  button to confirm the SPUB Order

MEDICATION ORDER

Select Registered Patient: All [Patient ID] Dispensing Location: Farmasi Klinik Pakar [New Patient X]

Address: AXXXXX XXXXXX XXXXXX XXXX
 Mykad: [Mykad] Age: 34 Years 04 Months 03 Days Gender: Female MRN: [MRN]
 Address: [Address] Phone And Email: [Phone And Email] Diagnosis: [Diagnosis] No known Allergies
 Height: 166 cm Weight: 66 kg BMI/BSA: 24 / 1.74 m² G6PD: [] Update (Last Updated: 30/10/2019) Nationality: []

Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment |

VISIT/ADMISSION

Encounter No: 0010 Visit Type: SPUB Location: Farmasi Klinik Pakar Department: Pharmacy [Clear] [Visit Management] [Patient Label] [Patient sticker]

Breast Feeding Pregnant

PARTIAL SUPPLY

VISIT RECORD

Queue Series: Normal Queue No: 3345 Original Prescription Serial No: OPD0000824847

PRESCRIPTION PROCEED TO PREPARATION ENGLISH Prescription Label Label Allocate Full Supply Verify

Clinic TCA: [] Next Collection Mode: Normal Collection SPUB SPUB R1 Form Waiting Time: 0 : 0 : 6
 Next Collection Date: [] Dispense At: [] Next Visit Collection
 Supply Duration: 30 Next Collection Location: Farmasi Klinik Pakar Adherence Score: []

Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous	Original Prescriber	Status
<input type="checkbox"/> Metformin HCl 500 mg Tablet	500 mg, BID, Oral, 30 Days 29/11/2019 11:39 AM - 29/12/2019 11:39 AM	60 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	60 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[]	Acknowledged

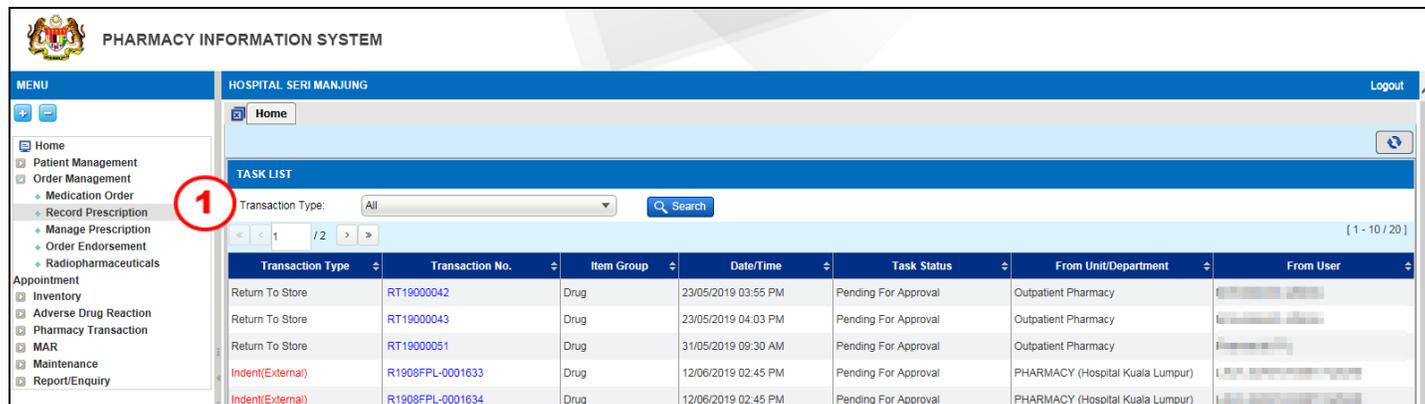
Figure 3.6.2.1-10 Dispensing

Note

After confirm the SPUB Order, user can proceed with normal dispensing process

3.6.2.2 SPUB In Offline

Referred facility able to receive SPUB manual prescription and enter into the system



Transaction Type	Transaction No.	Item Group	Date/Time	Task Status	From Unit/Department	From User
Return To Store	RT19000042	Drug	23/05/2019 03:55 PM	Pending For Approval	Outpatient Pharmacy	
Return To Store	RT19000043	Drug	23/05/2019 04:03 PM	Pending For Approval	Outpatient Pharmacy	
Return To Store	RT19000051	Drug	31/05/2019 09:30 AM	Pending For Approval	Outpatient Pharmacy	
Indent(External)	R1908FPL-0001633	Drug	12/06/2019 02:45 PM	Pending For Approval	PHARMACY (Hospital Kuala Lumpur)	
Indent(External)	R1908FPL-0001634	Drug	12/06/2019 02:45 PM	Pending For Approval	PHARMACY (Hospital Kuala Lumpur)	

Figure 3.6.2.2-1 PhIS Home Page

STEP 1

Click on 'Order Management' menu followed by 'Record Prescription' and screen will be displayed as per Figure 3.6.2.2-2



Figure 3.6.2.2-2 Transcribe Order Create New Patient

STEP 2

Click on the to register for new patient

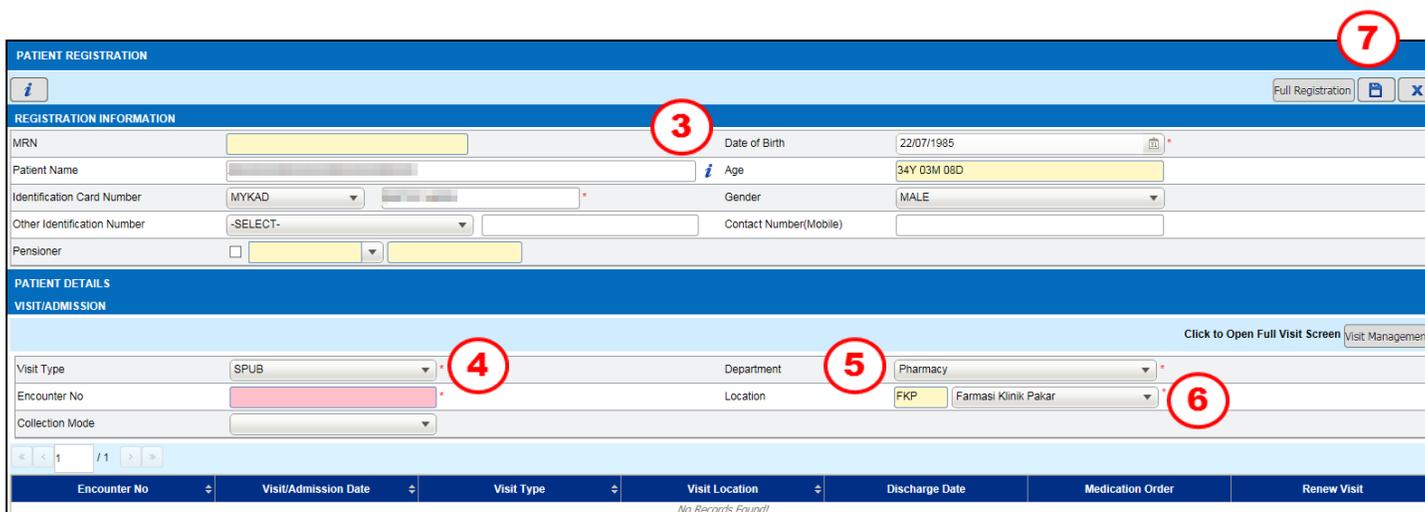


Figure 3.6.2.2-3 Registration Information

STEP 3

Enter Registration Information

- **Patient Name**
- **Identification Card Number**
- **Contact Number (if applicable)**

STEP 4

Select the **Visit Type** as **SPUB**

STEP 5

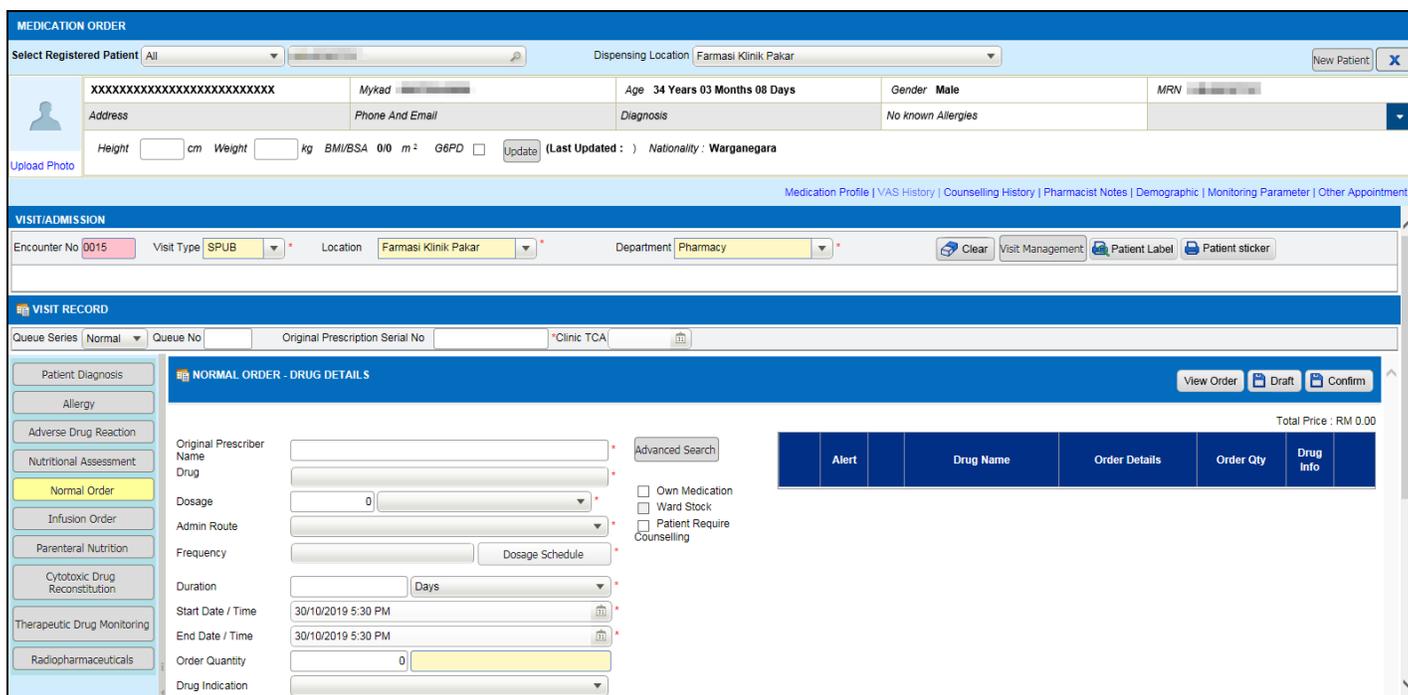
Select the **Department** from dropdown box

STEP 6

Select **Location** from dropdown box

STEP 7

Click on the  button and Medication Order will be display as Figure 3.6.2.2-4



The screenshot shows the 'MEDIATION ORDER' form. At the top, there are fields for 'Select Registered Patient' (All), 'Dispensing Location' (Farmasi Klinik Pakar), and a 'New Patient' button. Below this is a patient information section with fields for Mykad, Age (34 Years 03 Months 08 Days), Gender (Male), MRV, Address, Phone And Email, Diagnosis, and No known Allergies. There are also fields for Height, Weight, BMI/BSA, G6PD, and Nationality (Warganegara). A 'Medication Profile | VAS History | Counselling History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment |' link is visible.

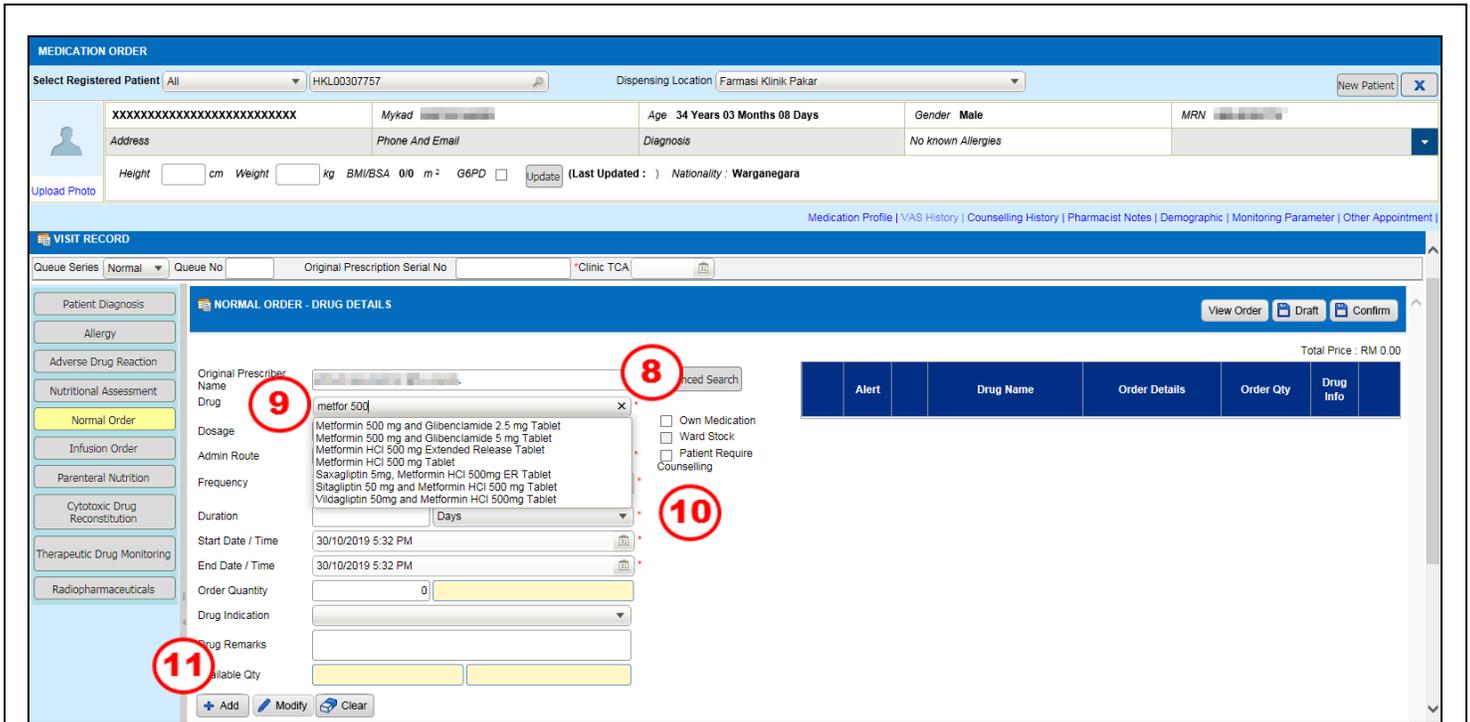
The 'VISIT/ADMISSION' section shows 'Encounter No' 0015, 'Visit Type' SPUB, 'Location' Farmasi Klinik Pakar, and 'Department' Pharmacy. There are 'Clear', 'Visit Management', 'Patient Label', and 'Patient sticker' buttons.

The 'VISIT RECORD' section shows 'Queue Series' Normal, 'Queue No', 'Original Prescription Serial No', and '*Clinic TCA'. Below this is the 'NORMAL ORDER - DRUG DETAILS' section with fields for 'Original Prescriber Name', 'Drug', 'Dosage' (0), 'Admin Route', 'Frequency', 'Duration' (Days), 'Start Date / Time' (30/10/2019 5:30 PM), 'End Date / Time' (30/10/2019 5:30 PM), 'Order Quantity' (0), and 'Drug Indication'. There is an 'Advanced Search' button and checkboxes for 'Own Medication', 'Ward Stock', and 'Patient Require Counselling'. A table on the right has columns: Alert, Drug Name, Order Details, Order Qty, Drug Info. The total price is RM 0.00.

Figure 3.6.2.2-4 Medication Order

Note

User should record the balance supply medication only (Example: Order duration 3 months, 1st month already supplied by referring facility. Therefore, user will only need to record the balance left which are 2 months.



MEDICATION ORDER

Select Registered Patient: All | HKL00307757 | Dispensing Location: Farmasi Klinik Pakar | New Patient [X]

XXXXXXXXXXXXXXXXXXXXXXXXXXXX | Mykad: [REDACTED] | Age: 34 Years 03 Months 08 Days | Gender: Male | MRN: [REDACTED]

Address: [REDACTED] | Phone And Email: [REDACTED] | Diagnosis: [REDACTED] | No known Allergies

Height: [REDACTED] cm | Weight: [REDACTED] kg | BMI/BSA: 0/0 m² | G6PD: [REDACTED] | Update (Last Updated:) | Nationality: Warganegara

VISIT RECORD

Queue Series: Normal | Queue No: [REDACTED] | Original Prescription Serial No: [REDACTED] | *Clinic TCA: [REDACTED]

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: [REDACTED] (8)

Drug: metformin 500 (9)

Dosage: Metformin 500 mg and Glibenclamide 2.5 mg Tablet
Metformin 500 mg and Glibenclamide 5 mg Tablet
Metformin HCl 500 mg Extended Release Tablet
Metformin HCl 500 mg Tablet
Saxagliptin 5mg, Metformin HCl 500mg ER Tablet
Sitagliptin 50 mg and Metformin HCl 500 mg Tablet
Vildagliptin 50mg and Metformin HCl 500mg Tablet

Admin Route: [REDACTED]

Frequency: [REDACTED]

Duration: [REDACTED] Days (10)

Start Date / Time: 30/10/2019 5:32 PM

End Date / Time: 30/10/2019 5:32 PM

Order Quantity: 0

Drug Indication: [REDACTED]

Drug Remarks: [REDACTED]

Available Qty: [REDACTED]

Total Price: RM 0.00

Alert | Drug Name | Order Details | Order Qty | Drug Info

Own Medication
 Ward Stock
 Patient Require
 Counselling

+ Add | Modify | Clear (11)

Figure 3.6.2.2-5 Medication Order

STEP 8

Enter **Original Prescriber Name**

STEP 9

Search and select **Drug**

STEP 10

Enter **Duration**

STEP 11

Click on the  button to add the drug in the prescription as Figure 3.6.2.2-6

15

SPUB FORM

Patient Demographic Draft

NXX XXXXXXXXXXX XXXX XXXXX XXXX XXXXX	Mykad	Age 21 Years 10 Months 21 Days	Gender Female	MRN
Address		Phone And Email	Diagnosis	No known Allergies
Height <input type="text"/> cm Weight <input type="text"/> kg BMI/BSA 0/0 m ² <input type="button" value="Update"/> (Last Updated :) Nationality : Warganegara				

[Upload Photo](#)

PHARMACY ORDER

SPUB No <input style="background-color: #f8d7da;" type="text"/>	
Referred From <input type="text" value="Hospital Kuala Lumpur"/>	Referred To <input type="text" value="Hospital Seri Manjung"/>
Contact Person / Office <input type="text"/>	Contact Person / Office <input type="text"/>
Contact no / Ext No <input type="text" value="0176176358"/>	Contact no / Ext No <input type="text" value="056896600"/>
Fax No <input type="text" value="03665599825"/>	Fax No <input type="text"/>
Next Collection Date <input type="text"/>	<input type="checkbox"/> Counselling Provided
Referral Received Date <input type="text" value="31/10/2019"/>	
Remarks <input type="text"/>	Previous SPUB Referred To <input style="background-color: #fff3cd;" type="text"/>

< < 1 / 1 > >
[1 - 2 / 2]

Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
FPL0000824871	31/10/2019	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD (once daily), Oral MR Tablet, Oral, 31/10/2019 (1 Months)	30 tablet	0 tablet	0 tablet	30 tablet	Remark
FPL0000824871	31/10/2019	Warfarin Sodium 5 mg Tablet	5 mg, PM (every evening), Oral Tablet, Oral, 31/10/2019 (1 Months)	30 mg	0 mg	0 mg	30 mg	Remark

Figure 3.6.2.2-7 SPUB Form

STEP 14

Fill in all information in the selected field

STEP 15

Click on the button to save the SPUB form and Confirmation Message will be display

CONFIRMATION

CONF0002: Are you sure you want to save?

Figure 3.6.2.2-8 Confirmation Message

Note

Click on the button to save the SPUB Form

SPUB FORM Patient Demographic



Upload Photo

16

NXX XXXXXXXXXXX XXXX XXXXX XXXX XXXXX Mykad [REDACTED] Age 21 Years 10 Months 21 Days Gender Female MRN [REDACTED]

Address Phone And Email Diagnosis No known Allergies

Height [] cm Weight [] kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

17

PHARMACY ORDER

SPUB No HSMS PUB_00016857

Referred From Hospital Kuala Lumpur Referred To Hospital Seri Manjung

Contact Person / Office [REDACTED] Contact Person / Office [REDACTED]

Contact no / Ext No 0176176358 Contact no / Ext No 056896600

Fax No 03665599825 Fax No [REDACTED]

Next Collection Date [REDACTED] Counselling Provided

Referral Received Date 31/10/2019 *

Remarks [REDACTED] Previous SPUB Referred To [REDACTED]

[1 - 2 / 2]

Rx No	Rx Date	Drug Name	Order Detail	Order Qty	Disp Qty	Prev Disp Qty	Bal Qty	Remarks
FPL0000824871	31/10/2019	Metformin HCl 500 mg Extended Release Tablet	500 mg, OD (once daily), Oral MR Tablet, Oral, 31/10/2019 (1 Months)	30 tablet	0 tablet	0 tablet	30 tablet	Remark
FPL0000824871	31/10/2019	Warfarin Sodium 5 mg Tablet	5 mg, PM (every evening), Oral Tablet, Oral, 31/10/2019 (1 Months)	30 mg	0 mg	0 mg	30 mg	Remark

Figure 3.6.2.2-9 Confirmation Message

STEP 16

Click on the  button to view/print SPUB Form report (Figure 3.6.2.2-10)

STEP 17

Click on the  button to close the SPUB Form



SPUB-R1 (Pindaan 3/2009)

RUJUKAN PRESKRIPSI SPUB | KEMENTERIAN KESIHATAN MALAYSIA

(Borang ini hendaklah dikemukakan kepada fasiliti yang dirujuk melalui faks/ e-mail/ pos dalam masa 7 hari bekerja dari tarikh pesakit diberi bekalan pertama)

Fasiliti Yang Merujuk		Fasiliti dirujuk		No. Rujukan (04311/10/2019)
Negeri	: WP Kuala Lumpur	Negeri	: Perak	
Hospital	: Hospital Kuala Lumpur	Hospital	: Hospital Seri Manjung	
Nombor SPUB	: HSMSPUB_00016857			
Daerah/Bandar	: Wilayah Persekutuan	Daerah/Bandar	:	
No. Tel	: 0176176358	No. Tel	: 056896600	
No. Faks	: 03665599825	No. Faks	:	

A. Maklumat Pesakit :

Nama : NXX XXXXXXXXXXX XXXX XXXXX XXXX XXXXX

Umur : 21 Years 10 Months 21 Days Jantina : Perempuan

No. Kad Pengenalan : [REDACTED] No. Telefon : 123456789

B. Maklumat Preskripsi :

No. Preskripsi : FPL0000824871 Tarikh Preskripsi : 31/10/2019

No. Siri Preskripsi : RX998765 Tarikh Akan Datang :

Catatan:

C. Maklumat Bekalan :

Tarikh	Nama Ubat	Maklumat Ubat	Baki Kuantiti	Tempoh Bekalan	Jumlah Penuh Kuantiti	Catatan Preskripsi
31/10/2019	Metformin HCl 500 mg Extended Release Tablet	500 mg, Oral, OD	30 tablet	1 Months	30 tablet	
31/10/2019	Warfarin Sodium 5 mg Tablet	5 mg, Oral, OV	30 mg	1 Months	30 mg	

D. Kaunseling telah diberikan Ya Tidak

(Jika Ya, sila lampirkan rekod kaunseling)

Tandatangan :
Nama : [REDACTED]
Jawatan : Pegawai Farmasi UF48

Untuk diisi oleh Fasiliti yang menerima rujukan :

Tarikh preskripsi dibekal	Tempoh preskripsi dibekal	Tarikh bekalan akan datang	Bilangan Item/Kos ubat (keseluruhan)			
			Kategori A		Kategori lain	
			Item	Kos	Item	Kos
Jumlah keseluruhan						

Figure 3.6.2.2-10 SPUB Form

MEDICATION ORDER

Select Registered Patient: All
Dispensing Location: Outpatient Pharmacy
New Patient:

NXX XXXXXXXXXXX XXXX XXXXX XXXX XXXXX	Mykad: [REDACTED]	Age: 21 Years 10 Months 21 Days	Gender: Female	MRN: [REDACTED]
Address: [REDACTED]	Phone And Email: [REDACTED]	Diagnosis: [REDACTED]	No known Allergies	

Height: cm Weight: kg BMI/BSA: 0.0 m² G6PD: Update (Last Updated:) Nationality: Warganegara

[Medication Profile](#) | [VAS History](#) | [Counseling History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#)

VISIT/ADMISSION

Encounter No: 0001 Visit Type: SPUB Location: Outpatient Pharmacy Department: Pharmacy

Breast Feeding Pregnant (Week:)

VISIT RECORD

Queue Series: Normal Queue No: Original Prescription Serial No: RX998765 *Clinic TCA

Original Prescriber Name: [REDACTED]

Drug: [REDACTED]

Dosage:

Admin Route: [REDACTED]

Frequency: [REDACTED] Dosage Schedule: [REDACTED]

Duration:

Start Date / Time: 31/10/2019 11:13 AM

End Date / Time: 31/10/2019 11:13 AM

Order Quantity:

Drug Indication: [REDACTED]

Advanced Search

Own Medication
 Ward Stock
 Patient Require Counselling

Alert	Drug Name	Order Details	Order Qty	Drug Info
⚠	1. Metformin HCl 500 mg Extended Release Tablet	500 mg, OD (once daily), Oral MR Tablet, Oral, 31/10/2019 (1 Months)	30 tablet (RM 9.90)	i 🗑
⚠	2. Warfarin Sodium 5 mg Tablet	5 mg, PM (every evening), Oral Tablet, Oral, 31/10/2019 (1 Months)	30 mg (RM 14.10)	i 🗑

Total Price : RM 24.00

Figure 3.6.2.2-11 Medication Order

STEP 18

Click on the  button to confirm order

Note

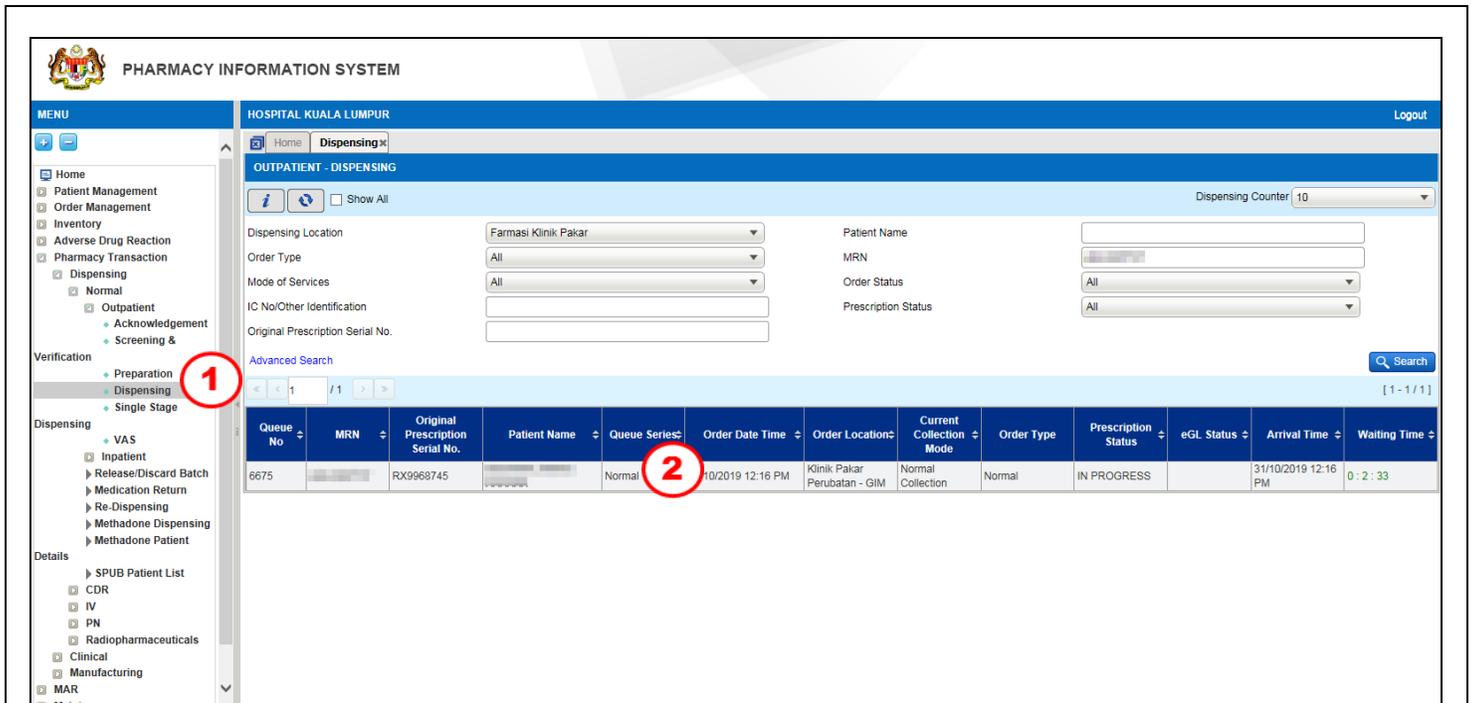
To complete the process for SPUB prescription, continue as normal dispensing process

3.7 Release / Discard Batch

This function allow user to release the allocated quantity back into inventory upon non collection by the patient(s). Drug that is not reusable will be discarded.

3.7.1 Before Patient Called

During counter check, user can amend the prescription if necessary, such as intervention, alternate and combination or extemporaneous after release/discard.



PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Logout

Home | Home | Dispensing

OUTPATIENT - DISPENSING

Dispensing Counter: 10

Dispensing Location: Farmasi Klinik Pakar

Patient Name: [Empty]

Order Type: All

MRN: [Empty]

Mode of Services: All

Order Status: All

IC No/Other Identification: [Empty]

Prescription Status: All

Original Prescription Serial No.: [Empty]

Advanced Search [Search]

Queue No	MRN	Original Prescription Serial No.	Patient Name	Queue Series	Order Date Time	Order Location	Current Collection Mode	Order Type	Prescription Status	eGL Status	Arrival Time	Waiting Time
6675	[Empty]	RX9968745	[Empty]	Normal	10/2019 12:16 PM	Klinik Pakar Perubatan - GIM	Normal Collection	Normal	IN PROGRESS		31/10/2019 12:16 PM	0 : 2 : 33

Figure 3.7.1-1 Dispensing

STEP 1

Click on 'Dispensing' sub menu

Note

Search the patient

STEP 2

Double click on the selected patient record and patient detail information will be display in Figure 3.7.1-2



PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: 6675 Arrival Time: 31/10/2019 12:16 PM Waiting Time: 0:6:39 Collector Name: SXXXXXX XXXXX XXXX Relationship: Patient

CLINIC TCA: No. of Days: 0 Current Collection Mode: Normal Collection Next Collection Date: 29/11/2019 Total Patient: 1080 Next Collection Mode: Normal Collection Next Collection Location: Farmasi Klinik Pakar

DISPENSE AT: Pharmacy Counter Dispense Method: Normal Collection

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, Oral, 2 Months 31/10/2019 12:15 PM - 30/12/2019 12:15 PM	60 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet (30 day(s))	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Months 31/10/2019 12:16 PM - 30/12/2019 12:16 PM	480 tablet	0 tablet	240 <input type="checkbox"/> POMs	0 tablet	240 tablet (30 day(s))	240 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail		[Redacted]	Prepared	<input type="checkbox"/>

Figure 3.7.1-2 Dispensing

Note

- Patient is not called
- Reserve Qty has a value
- Status is Prepared

STEP 3

Click on the button and release/Discard Batch window will displayed

RELEASE/DISCARD BATCH

IC No/Other Identification: [] Drug Name: [Search]

New Record(s): [1 / 1]

MRN	Patient Name	Medication Order No	Drug Name	Prepared Qty	Preparation Date	Status	Reason for Release/Discard	Remark
<input checked="" type="checkbox"/>	SXXXXXX XXXXX XXXXX	PCGIM0001031143	Paracetamol 500 mg Tablet	240 tablet	31/10/2019	Prepared	Intervention	
<input type="checkbox"/>	SXXXXXX XXXXX XXXXX	PCGIM0001081149	Metformin HCl 500 mg Extended Release Tablet	30 tablet	31/10/2019	Prepared		

Figure 3.7.1-3 Release/Discard Batch

STEP 4

Click on the checkbox for selected Drug

STEP 5

Select **Reason for Release/Discard**

- Change of Regimen
- Faulty Product

- Intervention
- Patient Refused
- Uncollected
- Wrong Allocation

STEP 6

Click on the button and Information Message will displayed

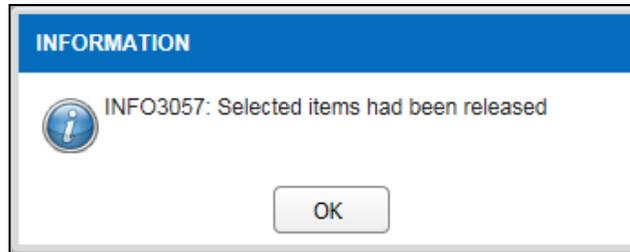


Figure 3.7.1-4 Information Message

Note

- Click on the button to confirmed release the selected drug
- The Reserve Quantity will be null [0] and the status will change from Prepared to Verified.
- As the drug status changed to Verified, user will have to go to the preparation screen to perform the intervention (for new order only) as shown in Figure 3.7.1-5

PREPARATION

XXXXXXXX XXXXX XXXXXX Mykad XXXXXXXXXX Age 61 Years 11 Months 29 Days Gender Female MRN XXXXXXXXXX
 Address Phone And Email Diagnosis No known Allergies
 Height cm Weight kg BMI/BSA 00 m² (Last Updated :) Nationality : Warganegara

[Medication Profile](#) | [VAS History](#) | [Counselling History](#) | [MTAC History](#) | [Pharmacist Notes](#) | [Demographic](#) | [Monitoring Parameter](#) | [Other Appointment](#) |

Encounter No: 0003 Actual Visit Date: 31/10/2019 Attending Practitioner: Visit Location: Klinik Pakar Perubatan - GIM Rx No: PCGIM0001081149 Transcribed By: XXXXXXXXXX
 Original Prescription Serial No: RX9968745

PHARMACY ORDER

Patient Arrived Queue Series Normal Queue No 6675 Arrival Time 31/10/2019 12:16 PM Waiting Time 0:31:31 Collector Name XXXXXXXX XXXXX XXXX Relationship Patient

Clinic TCA No. of Days: 0 Current Collection Mode Normal Collection
 Next Collection Date 29/11/2019 Total Patient: 1080 Next Collection Mode Normal Collection Next Dispense At Pharmacy Counter
 Supply Duration 30 Days Next Collection Location Farmasi Klinik Pakar SPUB SPUB R1 Form
 Adherence Score MPR

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, Oral, 2 Months 31/10/2019 12:15 PM - 30/12/2019 12:15 PM	60 tablet	0 tablet	0 <input type="checkbox"/> POMs <input type="checkbox"/> Alternate(C)	0 tablet	0 tablet	60 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			XXXXXXXXXX	Verified
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Months 31/10/2019 12:16 PM - 30/12/2019 12:16 PM	480 tablet	0 tablet	0 <input type="checkbox"/> POMs <input type="checkbox"/> Alternate	0 tablet	0 tablet	480 tablet (60 day(s))	Remarks <input type="checkbox"/> Detail			XXXXXXXXXX	Verified

Figure 3.7.1-5 Preparation

- User can also do other functions such as Alternate, Alternate/combination, Extemporaneous or change the Reserve Quantity.
- After intervention, proceed until dispense.



3.7.2 After Patient Called

This function can be use when patient does not come to collect the medication or patient refused the medication

Encounter No: 0003 Actual Visit Date: 31/10/2019 Attending Practitioner: Visit Location: Klinik Pakar Perubatan - GIM Rx No: PCGIM0001081149 Transcribed By:

Original Prescription Serial No: RX9968745

PHARMACY ORDER

Patient Arrived Queue Series: Normal Queue No: 6675 Arrival Time: 31/10/2019 12:16 PM Waiting Time: 0:44:18 Collector Name: SXXXXXX XXXXX XXXX Relationship: Patient

Clinic TCA: No. of Days: 0 Current Collection Mode: Normal Collection Next Collection Date: 29/11/2019 Total Patient: 1080 Next Collection Mode: Normal Collection Next Collection Location: Farmasi Klinik Pakar

Dispense At: Pharmacy Counter Dispense Method: Normal Collection

Remarks: Queue No. Called Time: 31/10/2019 1:01 PM Patient Called

PRESCRIPTION

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Status	Complete
Metformin HCl 500 mg Extended Release Tablet	500 mg, ON, Oral, 2 Months 31/10/2019 12:15 PM - 30/12/2019 12:15 PM	60 tablet	0 tablet	30 <input type="checkbox"/> POMs	0 tablet	30 tablet (30 day(s))	30 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail			Uncollected	<input type="checkbox"/>
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 2 Months 31/10/2019 12:16 PM - 30/12/2019 12:16 PM	480 tablet	0 tablet	240 <input type="checkbox"/> POMs	0 tablet	240 tablet (30 day(s))	240 tablet (30 day(s))	Remarks	<input type="checkbox"/> Detail			Uncollected	<input type="checkbox"/>

Figure 3.7.2-1 Dispensing

STEP 1

Click on the **Patient Called** checkbox to call patient

Note

The drug status will change from prepared to uncollected once the **Patient Called** checkbox is selected

STEP 2

Click on the **Release/Discard** button and release/Discard Batch window will displayed

RELEASE/DISCARD BATCH

IC No/Other Identification: Drug Name: Search

New Record(s):

MRN	Patient Name	Medication Order No	Drug Name	Prepared Qty	Preparation Date	Status	Reason for Release/Discard	Remark
<input checked="" type="checkbox"/>	SXXXXXX XXXXX XXXXX	PCGIM0001081149	Paracetamol 500 mg Tablet	240 tablet	31/10/2019	Uncollected	Patient Refused	
<input type="checkbox"/>	SXXXXXX XXXXX XXXXX	PCGIM0001081149	Metformin HCl 500 mg Extended Release Tablet	30 tablet	31/10/2019	Uncollected		

Figure 3.7.2-2 Release/Discard Batch

STEP 3

Click on the checkbox for selected Drug

STEP 4

Select **Reason for Release/Discard**

- Change of Regimen
- Faulty Product
- Intervention
- Patient Refused
- Uncollected
- Wrong Allocation

STEP 5

Click on the  button and Information Message will displayed

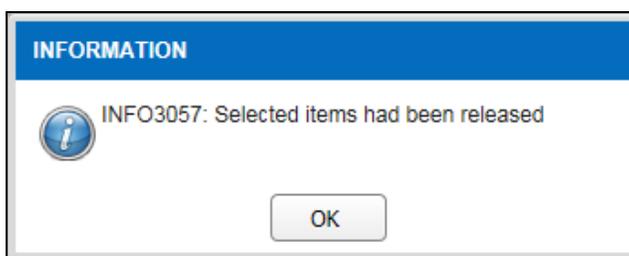
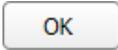


Figure 3.7.2-3 Information Message

Note

- Click on the  button to confirmed release the selected drug
- The Reserve Quantity will be null [0] and the status will change from Prepared to Orderd
- As the drug status changed to Ordered, user will have to go to the Acknowledgment screen (for new order only) as shown in Figure 3.7.2-4

PHARMACY ACKNOWLEDGEMENT

Print Queue No  Acknowledge 

	SXXXXXX XXXXX XXXXXX	Mykad 	Age 61 Years 11 Months 29 Days	Gender Female	MRN 
	Address	Phone And Email	Diagnosis	No known Allergies	
Upload Photo	Height <input type="text"/> cm	Weight <input type="text"/> kg	BMI/BSA 0/0 m ² 	Nationality : Warganegara	

Medication Profile | VAS History | Counselling History | MTAC History | Pharmacist Notes | Demographic | Monitoring Parameter | Other Appointment |

Encounter No: 0003 Actual Visit Date: 31/10/2019 Visit Location: Klinik Pakar Perubatan - GIM Rx No: PCGIM001081149 Transcribed By: 

Original Prescription Serial No: RX9968745

PHARMACY ACKNOWLEDGEMENT

Patient Arrived

Arrived Date: 31/10/2019  Arrived Time: 12:16 PM 

Queue No: 6675 Queue Series: Normal  Dispensing Location: Farmasi Klinik Pakar

Collector Name: SXXXXXX XXXXX XXXXXX Relationship: Patient  SPUB 

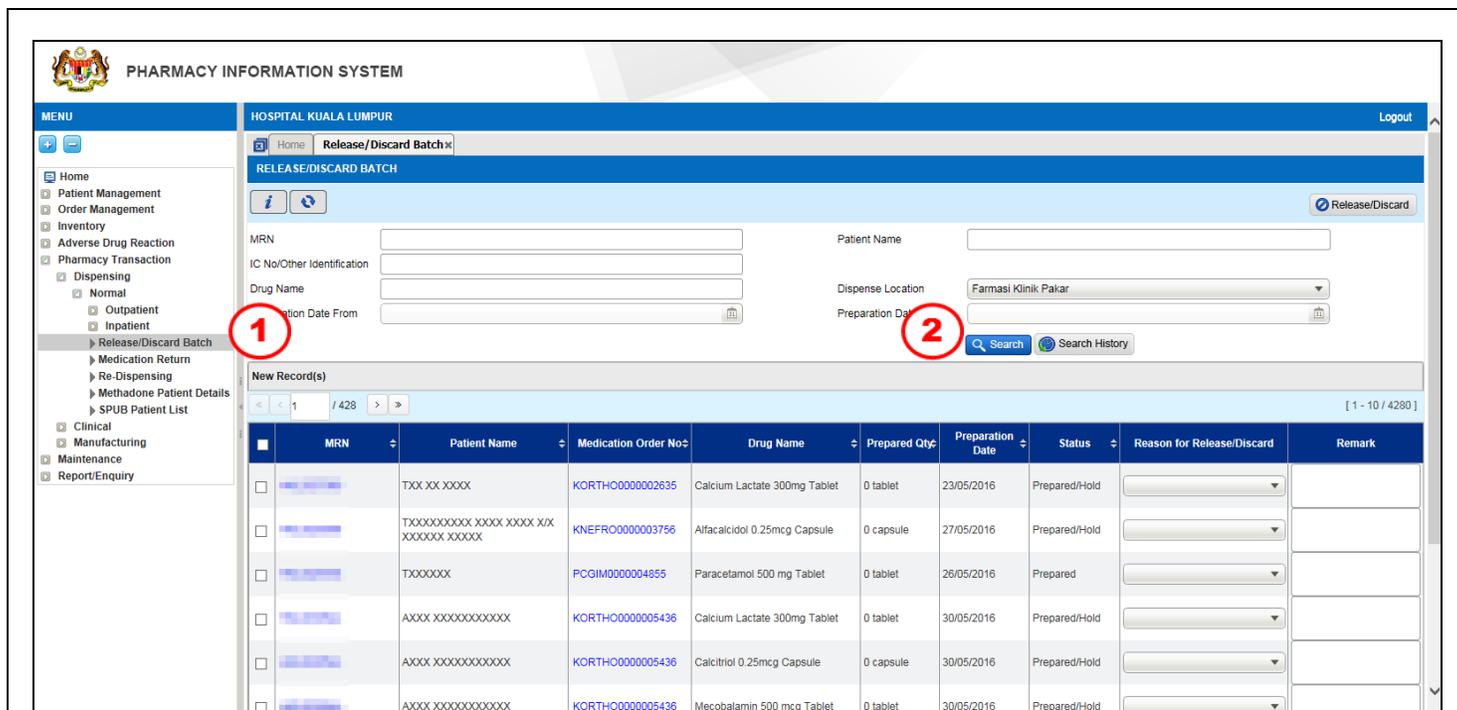
PRESCRIPTIONS

Drug Name	Dosage Form	Drug Route	Dose	Frequency	Duration	Order Qty	Dispensed Qty	Balance	Start Date / Time	End Date / Time	Status	Remarks
Metformin HCl 500 mg Extended Release Tablet	Oral MR Tablet	Oral	500 mg	ON	2 Months	60 tablet	0	30 tablet	31/10/2019 12:15:55 PM	30/12/2019 12:15:55 PM	Uncollected	Remark
Paracetamol 500 mg Tablet	Oral Tablet	Oral	1000 mg	PRN4	2 Months	480 tablet	0	480 tablet	31/10/2019 12:16:17 PM	30/12/2019 12:16:17 PM	Ordered	Remark

Figure 3.7.2-4 Pharmacy Acknowledgement

3.7.3 Release/Discard Batch (Menu)

User can also do Release/Discard function from Release/Discard Batch sub-menu.



The screenshot shows the 'PHARMACY INFORMATION SYSTEM' interface for 'HOSPITAL KUALA LUMPUR'. The 'Release/Discard Batch' sub-menu is selected in the left navigation pane. The main area displays a search form with fields for MRN, Patient Name, IC No/Other Identification, Drug Name, Dispense Location, and Preparation Date From. A 'Search' button is highlighted with a red circle and the number 2. Below the search form is a table of records with columns: MRN, Patient Name, Medication Order No, Drug Name, Prepared Qty, Preparation Date, Status, Reason for Release/Discard, and Remark. The table shows several records with various medication orders and preparation dates.

Figure 3.7.3-1 Release/Discard Batch

STEP 1

Click on 'Release/Discard Batch' sub menu

Note

Various search criteria are provided as below:

No	Field	Description	Remark
a	MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
b	Patient Name	Patient name	Able to filter by patient name
c	IC No/Other Identification	Identification Card	Example: 57083104321
d	Drug Name	Drug Name	Example: <i>Tramadol</i> or " <i>Tram</i> "
e	Dispense Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
f	Preparation Date From	The date of the drug being prepared	Example: 21/06/2017
g	Preparation Date To	The date of the drug being prepared	Example: 21/06/2017

Table 3.7.3-1

STEP 2

Click on the  button to search the patient

Note

Click on the Search History button to view the history of previous transactions as Figure 3.7.3-2

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Home | Release/Discard Batch

RELEASE/DISCARD BATCH

MRN: Patient Name:

IC No/Other Identification: Drug Name:

Preparation Date From: Dispense Location: Farnasi Klinik Pakar

Preparation Date To:

Search Search History

History Record(s) [1 - 10 / 414]

MRN	Patient Name	Medication Order No	Drug Name	Preparation Date	Status	Reason for Release/Discard	Remark
MXXXX XXXXX XXXXX		PCGIM0000000008	Atorvastatin 20 mg Tablet	04/05/2016	ORDERED	Wrong Allocation	
MXXXX XXXXX XXXXX		PCGIM0000000008	Perindopril 4 mg Tablet	04/05/2016	ORDERED	Wrong Allocation	
MXXXX XXXXX XXXXX		PCGIM0000000008	Ticlopidine HCl 250 mg Tablet	04/05/2016	ORDERED	Wrong Allocation	
MXXXX XXXXX XXXXX		PCGIM0000000008	Amlodipine 10 mg Tablet	04/05/2016	ORDERED	Wrong Allocation	
MXXXX XXXXX XXXXX		PCGIM0000000008	Bisoprolol Fumarate 2.5 mg Tablet	04/05/2016	ORDERED	Wrong Allocation	
MXXXX XXXXX XXXXX		PCGIM0000000008	Insulin regular/isophane (Insuman)	04/05/2016	ORDERED	Wrong Allocation	

Figure 3.7.3-2 Release/Discard Batch History

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Home | Release/Discard Batch

RELEASE/DISCARD BATCH

MRN: Patient Name:

IC No/Other Identification: Drug Name:

Preparation Date From: Dispense Location: Farnasi Klinik Pakar

Preparation Date To:

Search Search History

New Record(s) [1 - 10 / 429]

	MRN	Patient Name	Medication Order No	Drug Name	Prepared Qty	Preparation Date	Status	Reason for Release/Discard	Remark
<input checked="" type="checkbox"/>	TXXX XX XXXX		KORTHO0000002635	Calcium Lactate 300mg Tablet	0 tablet	23/05/2016	Prepared	Intervention	
<input checked="" type="checkbox"/>	TXXXXXXXXX XXXX XXXX XX XXXXX XXXXX		KNEFRO2000003766	Afacalcidol 0.25mcg Capsule	0 capsule	27/05/2016	Prepared/Hold	Intervention	
<input type="checkbox"/>	TXXXXXX		PCGIM0000004855	Paracetamol 500 mg Tablet	0 tablet	26/05/2016	Prepared		
<input type="checkbox"/>	AXXX XXXXXXXXXXXXX		KORTHO0000005436	Calcium Lactate 300mg Tablet	0 tablet	30/05/2016	Prepared/Hold		
<input type="checkbox"/>	AXXX XXXXXXXXXXXXX		KORTHO0000005436	Calcitriol 0.25mcg Capsule	0 capsule	30/05/2016	Prepared/Hold		
<input type="checkbox"/>	AXXX XXXXXXXXXXXXX		KORTHO0000005436	Mecobalamin 500 mcg Tablet	0 tablet	30/05/2016	Prepared/Hold		

Figure 3.7.3-3 Release/Discard Batch

STEP 3

Select check box of the selected drug

Note

- *User is allowed to select multiple Drug to release*
- *Enter **Remarks** if required*

STEP 4

Select **Reason for Release/Discard**

- Change of Regimen
- Faulty Product
- Intervention
- Patient Refused
- Uncollected
- Wrong Allocation

STEP 5

Click on the  button to proceed the release/discard process

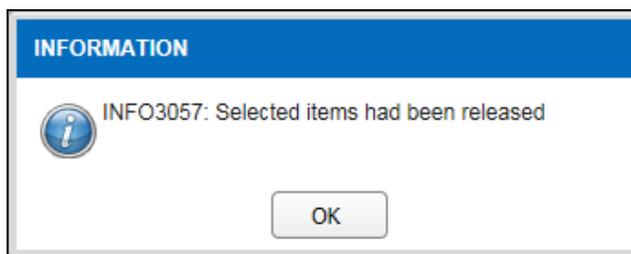


Figure 3.7.3-4 Information Message

Note

- *Click on the  button to confirmed release the selected drug*
- *Drug with status Prepared or Prepared/Hold, after release status will change to Verified*
- *Drug with status Uncollected, after release status will change to Ordered*

3.8 Medication Return

This function will allow user to record the returned medication from the patient or units into the system. This functionality enable user to track the transaction record and able to manage the stock in proper way.

PHARMACY INFORMATION SYSTEM

HOSPITAL KUALA LUMPUR

Logout

Home Medication Return

MEDICATION RETURN

Show All

Patient Name: Patient MRN:

Medication Return No: IC No/Other Identification:

Date Return: Drug Name:

Search

1 / 106

[1 - 10 / 1057]

Return No	MRN	Patient Name	IC No/Other Identification	Encounter No	Status	Drug Name	Dispensing Date	Requested By
0101/2019		TXX XXXX XXXX	891118145937	1767	Confirmed	Diazepam 5 mg Rectal Solution		
0063/2019		LXXXXX XXXXXX	690925106677	0202	Confirmed	Clonazepam 0.5 mg Tablet		
0119/2016		LXXX XXX XXXXXX	641018055502	0482	Confirmed	Alprazolam 0.25 mg Tablet		
0066/2019		TXXXXXXXXX XXXXXXXXXXXX	340624025072	1598	Confirmed	Lorazepam 1 mg Tablet		
0902/2018		KXXXXXXXXX XXXX XXXX	591108106833	0874	Confirmed	Clonazepam 0.5 mg Tablet		
0559/2017		GXXX XXXX XXXX	700307075048	0274	Confirmed	Clonazepam 0.5 mg Tablet		
0284/2019		HXXXX XXXX XXXX	580714105810	0167	Confirmed	Clonazepam 0.5 mg Tablet		
1256/2018		HXX XXXX XXXX	690923065138	0976	Confirmed	Alprazolam 0.5 mg Tablet		
1202/2018		HXX XXXX XXXX	690923065138	0976	Confirmed	Alprazolam 0.5 mg Tablet		
0116/2019		MXXX XXXXXXXXXXXX XXX XXXXXX	850424035313	1913	Confirmed	Clonazepam 0.5 mg Tablet		

Figure 3.8-1 Medication Return

STEP 1

Click on 'Medication Return' sub menu

Note

Various search criteria are provided as below:

No	Field	Description	Remark
a	Patient Name	Patient Name	Able to filter by patient's name
b	Patient MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
c	Medication Return No	Medication Return No	Return no: <i>Example: 0010/2016</i>
d	IC No/Other Identification	IC No/Other Identification	Patient's IC No: xxxxxxxxxxxxxx
e	Date Return	Search for Return date	Search date
f	Drug Name	Search Drug Name	Able to filter by Drug Name

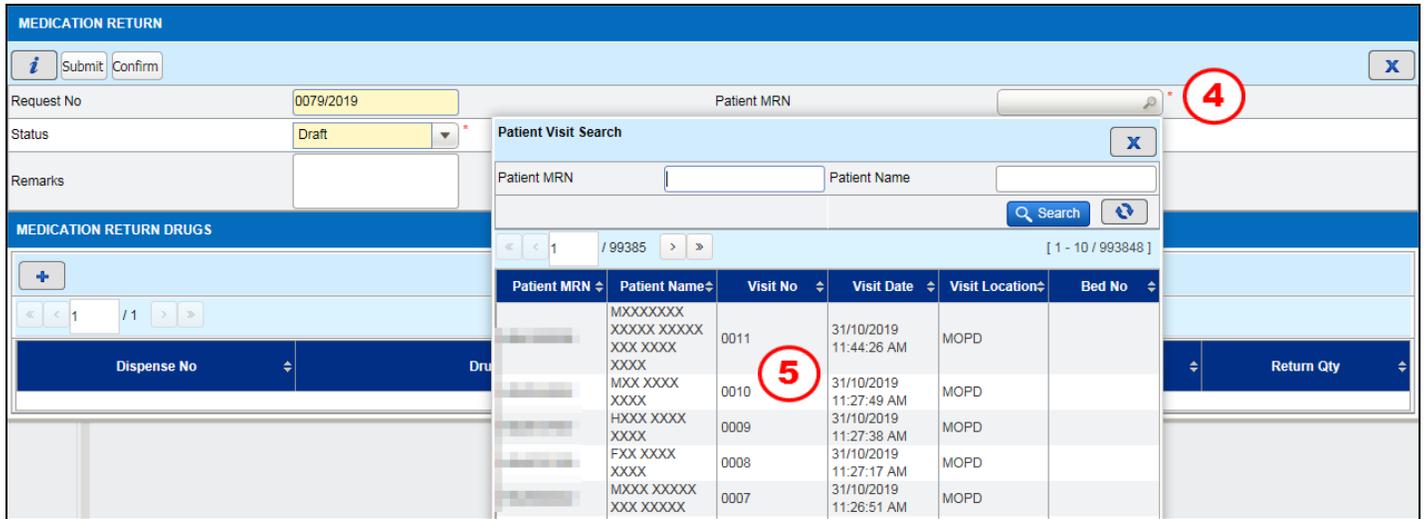
Table 3.8-1

STEP 2

Click on the Search button to search the patient

STEP 3

Click on the  button to add new patient record



MEDICATION RETURN

Request No: 0079/2019 Patient MRN: [Search Field] 4

Status: Draft

Remarks: [Text Area]

MEDICATION RETURN DRUGS

Dispense No: [Field] / 1

Patient Visit Search

Patient MRN: [Field] Patient Name: [Field]

[Search] [Refresh]

[1 - 10 / 993848]

Patient MRN	Patient Name	Visit No	Visit Date	Visit Location	Bed No
XXXXXXXX	XXXXXXXX	0011	31/10/2019 11:44:26 AM	MOPD	
XXXX XXXX	XXXX	0010	31/10/2019 11:27:49 AM	MOPD	
MXX XXXX	XXXX	0009	31/10/2019 11:27:38 AM	MOPD	
HXXX XXXX	XXXX	0008	31/10/2019 11:27:17 AM	MOPD	
FXX XXXX	XXXX	0007	31/10/2019 11:26:51 AM	MOPD	

Return Qty: [Field]

Figure 3.8-2 Medication Return

STEP 4

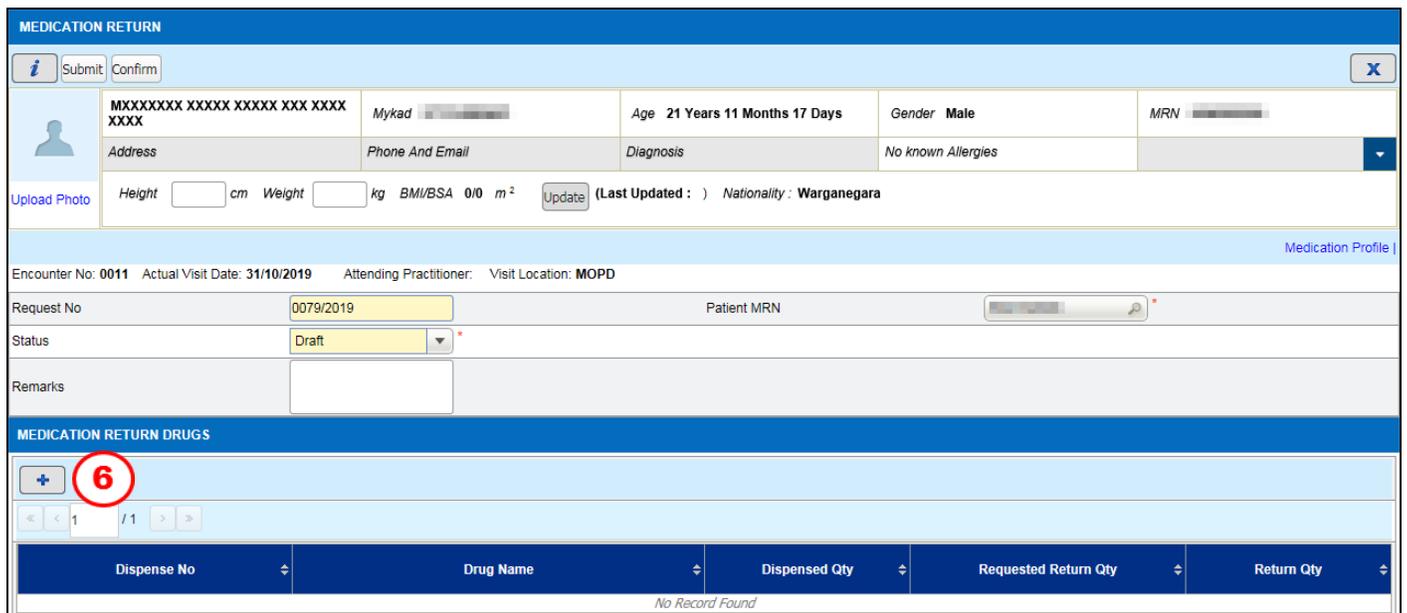
Click on the  button to search the patient

Note

Various search criteria are provided such as Patient MRN and Patient Name. Click  button to search

STEP 5

Double click on the selected patient's details



MEDICATION RETURN

Mykad: [Field] Age: 21 Years 11 Months 17 Days Gender: Male MRN: [Field]

Address: [Field] Phone And Email: [Field] Diagnosis: [Field] No known Allergies

Height: [Field] cm Weight: [Field] kg BMI/BSA: 0/0 m² Update (Last Updated:) Nationality: Warganegara

Encounter No: 0011 Actual Visit Date: 31/10/2019 Attending Practitioner: [Field] Visit Location: MOPD

Request No: 0079/2019 Patient MRN: [Field]

Status: Draft

Remarks: [Text Area]

MEDICATION RETURN DRUGS

Dispense No: [Field] / 1

Dispense No	Drug Name	Dispensed Qty	Requested Return Qty	Return Qty
No Record Found				

6

Figure 3.8-3 Medication Return

STEP 6

Click on the  button to add drug to medication return list

MEDICATION RETURN DRUG

 **RETURN DRUG**

Dispense No <input style="width: 90%;" type="text" value="072118_00080"/>	Drug Name <input style="width: 90%;" type="text" value="Cephalexin Monohydra"/>
Reason <input style="width: 90%;" type="text" value="Patient Refused"/>	Request Return Qty <input style="width: 20%;" type="text" value="30"/> <input style="width: 20%;" type="text" value="cap"/>
Previous Dispense Qty 30 cap	

 **RECEIVE RETURN QUANTITY**

Return Qty <input style="width: 20%;" type="text" value="20"/> <input style="width: 20%;" type="text" value="cap"/>	Batch No <input style="width: 90%;" type="text" value="5000703"/>
Discard Qty <input style="width: 20%;" type="text" value="10"/>	Batch Expiry Date <input style="width: 90%;" type="text" value="30/11/2020"/>

Figure 3.8-4 Medication Return Drug

STEP 7

Select **Dispense No** from dropdown menu

STEP 8

Select **Reason** for return the drugs as below:

- Change of Regimen
- Excess Supply
- Patient Deceased
- Patient Discharged
- Patient Refused
- Uncollected Medication

STEP 9

Click on the **Drug Name**  button to search drug and Search Drug window will displayed

Search Drug

Drug Code  Search 

Drug Name

< < 1 / 1 > >

Drug Code	Drug Name	Order Detail
B05CB10955M40 01XX	Sodium Bicarbonate, Citric Acid, Sodium Citrate, Tartaric Acid 4g/sachet	1 sachet TID, Oral, 7 Days 21/07/2018 08:12 AM - 28/07/2018 08:12 AM
J01DB01010C100 1XX	Cephalexin Monohydrate 250mg Capsule	1000 mg TID, Oral, 5 Days 21/07/2018 08:12 AM - 26/07/2018 08:12 AM
N02BE01000T100 1XX	Paracetamol 500 mg Tablet	1000 mg PRN3, Oral, 7 Days 21/07/2018 08:12 AM - 28/07/2018 08:12 AM

Figure 3.8-5 Search Drug

STEP 10

Double click on the selected Drug

MEDICATION RETURN DRUG			
14			
RETURN DRUG			
Dispense No	072118_00080	Drug Name	Cephalexin Monohydra
Reason	Patient Refused	Request Return Qty	30 cap
		Previous Dispense Qty	30 cap
RECEIVE RETURN QUANTITY			
Return Qty	20 cap	Batch No	5000703
Discard Qty	10	Batch Expiry Date	30/11/2020

Figure 3.8-6 Medication Return Drug

Note

Once select the drug, system will display **Previous Dispense Qty**

STEP 11

Enter **Request Return Qty**

Note

Request Return Qty cannot more than **Previous Dispense Qty**

STEP 12

Enter **Return Qty**

Note

- **Return Qty** cannot more than **Request Return Qty**
- if **Return Qty** less than **Request Return Qty**, **Discard Qty** will be automatically calculate variants between **Request Return Qty** and **Return Qty**

STEP 13

Select **Batch No** from dropdown menu

Note

- For patient record dispense by UMP Method, **UMP Defect Type** will be enable as figure 3.8-7

MEDICATION RETURN DRUG			
14			
RETURN DRUG			
Dispense No	070919_00001	Drug Name	Loratadine 10 mg Tabl
Reason	Excess Supply	Request Return Qty	30 tab
UMP Defect Type	Return By Patient	Previous Dispense Qty	30 tab
RECEIVE RETURN QUANTITY Return By Patient Return By Poslaju			
Return Qty	30 tab	Batch No	1807056
Discard Qty	0	Batch Expiry Date	31/07/2022

Figure 3.8-7 Medication Return Drug

- Select **UMP Defect Type** from dropdown menu
 - **Return By Patient**
 - **Return By Poslaju**

STEP 14

Click on the  button to save the transaction and Confirmation Message will display

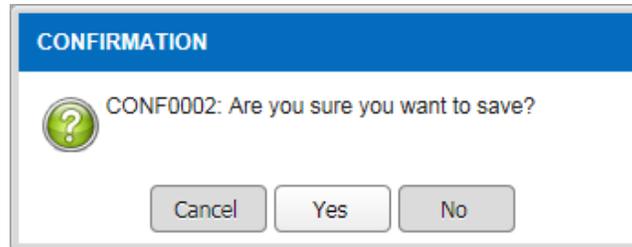
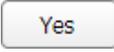


Figure 3.8-8 Confirmation Message

Note

Click on the  button to save the transaction

MEDICATION RETURN

 Submit Confirm 

	MXXXXXXXX XXXXX XXXXX XXX XXXX XXXX	Mykad 	Age 21 Years 11 Months 17 Days	Gender Male	MRN 
Address		Phone And Email		Diagnosis	
No known Allergies					

Upload Photo
Height cm Weight kg BMI/BSA 0/0 m² Update (Last Updated :) Nationality : Warganegara

[Medication Profile |](#)

Encounter No: 0011 Actual Visit Date: 31/10/2019 Attending Practitioner: Visit Location: MOPD

Request No	0082/2019	Patient MRN	
Status	Requested 		
Remarks	<div style="background-color: #ffffcc; height: 20px;"></div>		

MEDICATION RETURN DRUGS


< < 1 / 1 > >
[1 - 1 / 1]

Dispense No	Drug Name	Dispensed Qty	Requested Return Qty	Return Qty
072118_00080	Cephalexin Monohydrate 250mg Capsule	30	30	20

Figure 3.8-9 Medication Return

Note

- To add more drug into the list, repeat from **STEP 6** to **STEP 14**
- User is allowed to edit Medication Return Drug by double click on the drug list and Medication Return Drug screen will display as shown in Figure 3.8-10

MEDICATION RETURN DRUG			
<div style="float: right;">     </div>			
RETURN DRUG			
Dispense No	072118_00080	Drug Name	Cephalexin Monohydrate
Reason	Patient Refused	Request Return Qty	30 pck
		Previous Dispense Qty	30 pck
RECEIVE RETURN QUANTITY			
Return Qty	20 pck	Batch No	5000703
Discard Qty	10	Batch Expiry Date	30/11/2020

Figure 3.8-10 Medication Return Drug

- Click on the  button to modify or click on the  button to delete the record
- User is allowed to modify **Return Qty** and **Batch No**

MEDICATION RETURN					
<div style="float: right;">  </div>					
	MXXXXXXXX XXXXX XXXXX XXX XXXX XXXX	Mykad	Age 21 Years 11 Months 17 Days	Gender Male	MRN
	Address	Phone And Email	Diagnosis	No known Allergies	
Upload Photo	Height	Weight	BMI/BSA	Nationality: Warganegara	
Encounter No: 0011 Actual Visit Date: 31/10/2019 Attending Practitioner: Visit Location: MOPD					
Request No	0082/2019	Patient MRN			
Status	Requested	Remarks			
MEDICATION RETURN DRUGS					
<div style="float: right;">[1 - 1 / 1]</div>					
Dispense No	Drug Name	Dispensed Qty	Requested Return Qty	Return Qty	
072118_00080	Cephalexin Monohydrate 250mg Capsule	30	30	20	

Figure 3.8-11 Medication Return

STEP 15

Click on the  button to confirm the transaction and Confirmation Message will be displayed

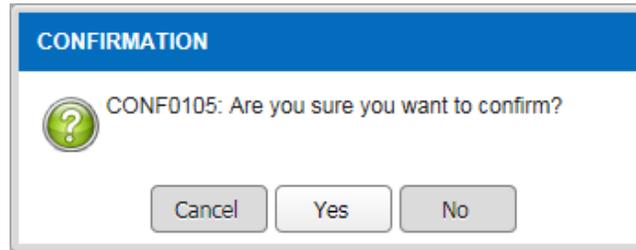


Figure 3.8-12 Confirmation Message

Note

- Click on the  button and Information Message will display as Figure 3.8-13

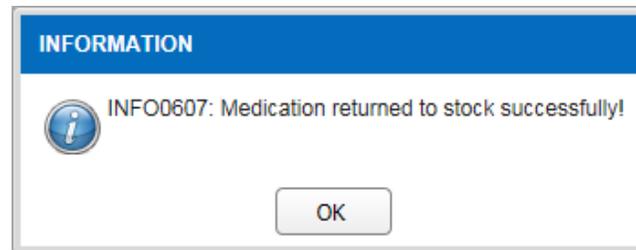


Figure 3.8-13 Information Message

- Click on the  button to return the stock into inventory

3.9 Re-Dispensing

This function will allow user to view re-dispense medication record.

PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Logout

Home Re-Dispensing

RE-DISPENSE LIST

Search Patient

Patient Name

MRN

Dispense Date

IC No/Other Identification

Search

[1 - 10 / 148]

MRN	Patient Name	IC No/Other Identification	Re-Dispense No	Dispense No	Re-Dispense Date	Status
AXXXXX XXX XXXXX		780527025707	RD251019_00004	102519_00002	25/10/2019	Draft
CXXXX XXXXX XXXX		730326085601	RD010815_00002	070615_00189	24/10/2019	Draft
UXXXXXX XX XXXXXX		550304086218	RD241019_00003	102419_00004	24/10/2019	Draft
MXXXXX XXXXXXXX XIX XXXXXXXX		530613085835	RD141019_00009	041717_00696	14/10/2019	Dispensed
WXX XXXXXXXX XXXXXXXX XXXXX XXXX XXXXXX		140922080882	RD141019_00008	081716_05341	14/10/2019	Draft
RXXXXX XX XXXXX XXXX		660901085202	RD111019_00002	101119_00008	11/10/2019	Dispensed
MXXXXXXX XXXXXXXX XXX XXXX		560114106109	RD050819_00001	080519_00001	05/08/2019	Dispensed
MXXXXXX XXX XXXXXXXX		540110085971	RD020819_00012	080119_00001	02/08/2019	Dispensed
MXXXXXX XXX XXXXXXXX		540110085971	RD020819_00011	080119_00001	02/08/2019	Dispensed
MXXXXXXX XXXXX XXX XXXXXX		950424086223	RD020819_00010	080219_00001	02/08/2019	Dispensed

Figure 3.9-1 Re-Dispensing

STEP 1

Click on 'Re-Dispensing' sub menu

Note

Various search criteria are provided as below:

No	Field	Description	Remark
a	Patient Name	Patient Name	Able to filter by patient's name
b	MRN	Patient Medical Record Number	Search option: • Type the MRN either full or partial: <i>Example: HPSF00001234 or "1234"</i>
c	Dispense Date	Re-Dispense Date	Able to trace back previous re-dispense record
d	IC No/Other Identification	ID Number	Patient's IC No: xxxxxxxxxxxxxx

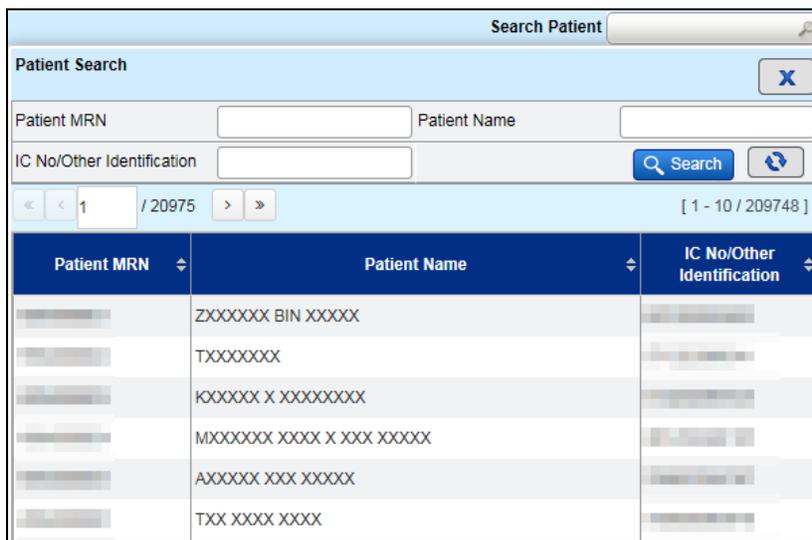
Table 3.9-1

STEP 2

Click on the button to search the patient

STEP 3

Click on the **Search Patient** button and Patient Search window will display

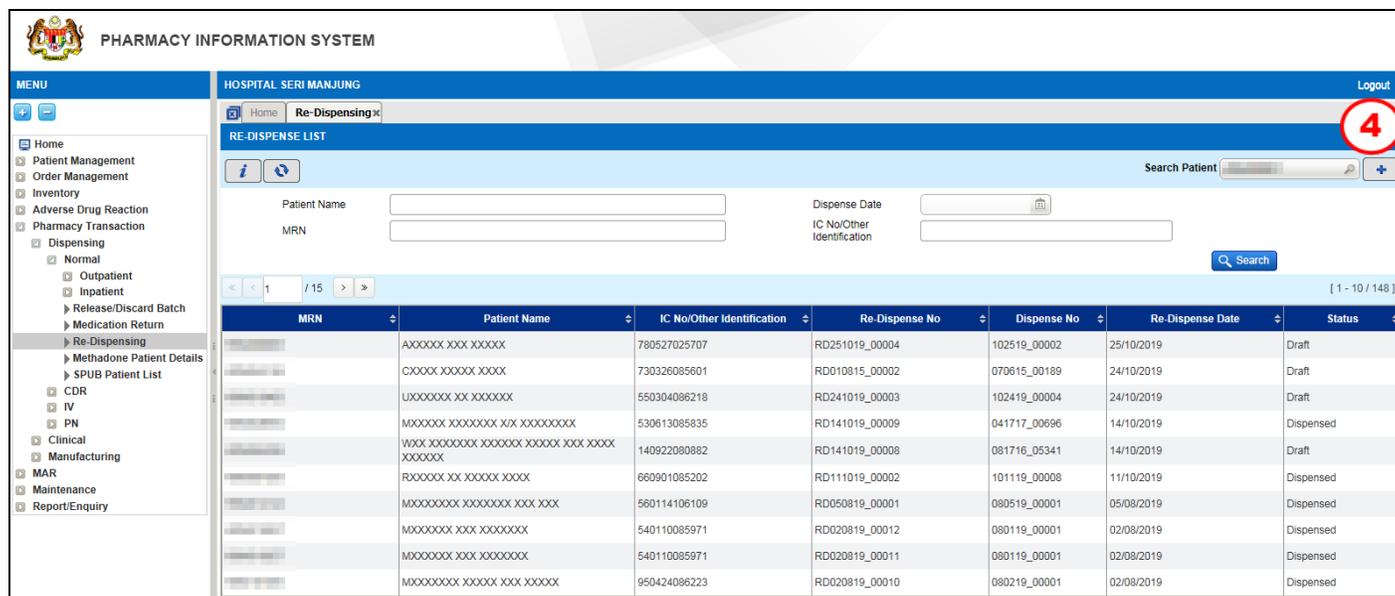


Patient MRN	Patient Name	IC No/Other Identification
	ZXXXXXX BIN XXXXX	
	TXXXXXX	
	KXXXXX X XXXXXXXX	
	MXXXXXX XXXX X XXX XXXXX	
	AXXXXX XXX XXXXX	
	TXX XXXX XXXX	

Figure 3.9-2 Patient Search

Note

- User is allowed to enter Patient MRN or/and Patient Name or/and IC No/Other Identification and click on the button
- Double click on the selected patient



MRN	Patient Name	IC No/Other Identification	Re-Dispense No	Dispense No	Re-Dispense Date	Status
	AXXXXX XXX XXXXX	780527025707	RD251019_00004	102519_00002	25/10/2019	Draft
	CXXXX XXXXX XXXX	730326085601	RD010815_00002	070615_00189	24/10/2019	Draft
	UXXXXXX XX XXXXXXX	550304086218	RD241019_00003	102419_00004	24/10/2019	Draft
	MXXXXX XXXXXXXX XX XXXXXXXX	530613085835	RD141019_00009	041717_00696	14/10/2019	Dispensed
	WXX XXXXXXXX XXXXXXX XXXX XXXX XXXXXXX	140922080882	RD141019_00008	081716_05341	14/10/2019	Draft
	RXXXXX XX XXXXX XXXX	660901085202	RD111019_00002	101119_00008	11/10/2019	Dispensed
	MXXXXXXX XXXXXXX XXX XXXX	560114106109	RD050819_00001	080519_00001	05/08/2019	Dispensed
	MXXXXXX XXX XXXXXXX	540110085971	RD020819_00012	080119_00001	02/08/2019	Dispensed
	MXXXXXX XXX XXXXXXX	540110085971	RD020819_00011	080119_00001	02/08/2019	Dispensed
	MXXXXXX XXXXX XXX XXXXX	950424086223	RD020819_00010	080219_00001	02/08/2019	Dispensed

Figure 3.9-3 Re-Dispensing

STEP 4

Click on the  button and Re Dispensing screen will be display as Figure 3.9-5

Note

- If selected patient do not have active medication, information message will display as Figure 3.9-4

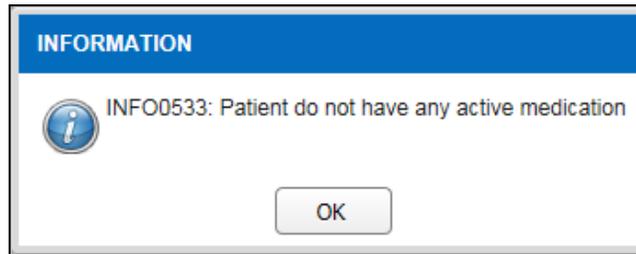
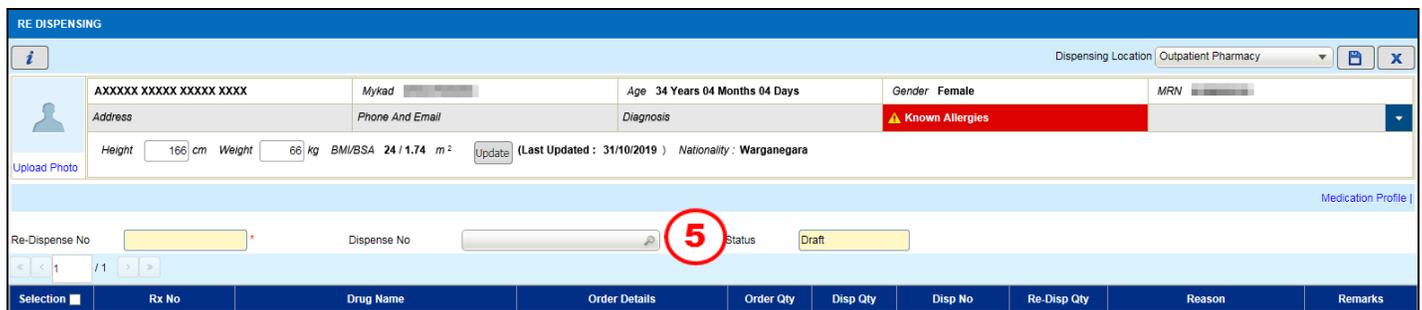


Figure 3.9-4 Information Message

- Click on the  button



RE DISPENSING

Dispersing Location: Outpatient Pharmacy

XXXXXXXX XXXXXX XXXXXX XXXX Mykad: [redacted] Age: 34 Years 04 Months 04 Days Gender: Female MRN: [redacted]

Address: [redacted] Phone And Email: [redacted] Diagnosis: [redacted] **Known Allergies**

Height: 166 cm Weight: 66 kg BMI/BSA: 24 / 1.74 m² (Last Updated: 31/10/2019) Nationality: Warganegara

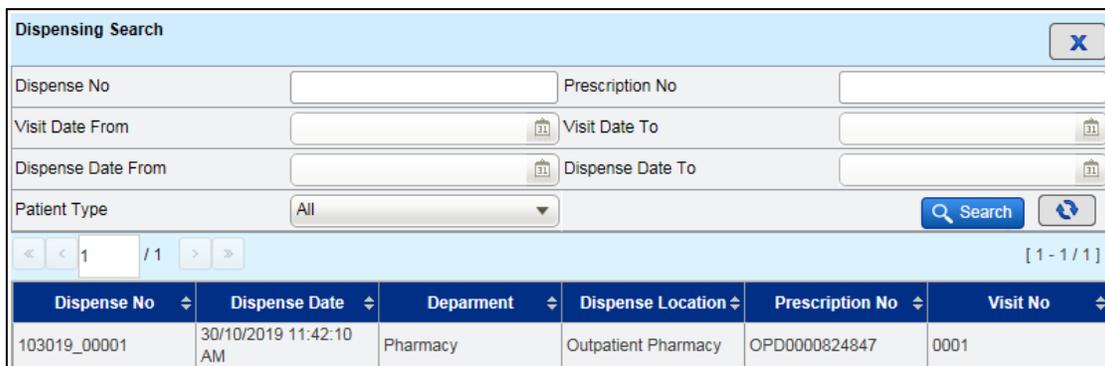
Re-Dispense No: [input] Dispense No: [input] **5** Status: Draft

Selection	Rx No	Drug Name	Order Details	Order Qty	Disp Qty	Disp No	Re-Disp Qty	Reason	Remarks
-----------	-------	-----------	---------------	-----------	----------	---------	-------------	--------	---------

Figure 3.9-5 Re Dispensing

STEP 5

Click on the **Dispense No**  button and Dispensing Search window will display as Figure 3.9-6



Dispensing Search

Dispense No: [input] Prescription No: [input]

Visit Date From: [input] Visit Date To: [input]

Dispense Date From: [input] Dispense Date To: [input]

Patient Type: All

Search [input] [refresh]

[1 - 1 / 1]

Dispense No	Dispense Date	Department	Dispense Location	Prescription No	Visit No
103019_00001	30/10/2019 11:42:10 AM	Pharmacy	Outpatient Pharmacy	OPD0000824847	0001

Figure 3.9-6 Dispensing Search

Note

- Search Patient by:
 - Dispense No
 - Prescription No
 - Visit Date From
 - Visit Date To
 - Dispense Date From
 - Dispense Date To
 - Patient Type

- Click on the  button and double click on the *Dispense No* selected

RE DISPENSING

Dispensing Location: Outpatient Pharmacy | Edit Label | Re-Dispense

Mykad: XXXXX XXXXX XXXXX XXXX | Age: 34 Years 04 Months 04 Days | Gender: Female | MRN: XXXXX

Address: XXXXX XXXXX XXXXX XXXX | Phone And Email: XXXXX XXXXX XXXXX XXXX | Diagnosis: XXXXX XXXXX XXXXX XXXX | **Known Allergies**

Height: 166 cm | Weight: 66 kg | BMI/BSA: 24 / 1.74 m² | Update (Last Updated: 31/10/2019) | Nationality: Warganegara

Rx No: RD311019_00002 | Dispense No: 103019_00001 | Status: Draft

Selection	Rx No	Drug Name	Order Details	Order Qty	Disp Qty	Disp No	Re-Disp Qty	Reason	Remarks
<input checked="" type="checkbox"/>	OPD0000824847	Metformin HCl 500 mg Tablet	500 mg, BID, 2 Months	120 tablet	60 tab	103019_00001	0		Remarks

Figure 3.9-7 Re Dispensing

STEP 6

Selection

Click on the  checkbox for the selected Drug

STEP 7

Click on the *Re-Disp Qty* [0](#) hyperlink and Item Batch Details screen will be display as Figure 3.9-8

ITEM BATCH DETAILS

Drug Code: A10BA02110T1001XX | Default SKU: tablet

Drug Name: Metformin HCl 500 mg Tablet | Dispense UOM: tab

BATCH DETAIL

Batch No	Expiry Date	Available Qty	UOM Qty	Allocated Qty
33233	31/08/2020	199792	60 x	60
Total Available Qty		199792	Total Allocated Qty	
			60	

Figure 3.9-8 Item Batch Details

STEP 8

Enter *UOM Qty*

Note

UOM Qty cannot more than Disp Qty

STEP 9

Click on the  button to save the record

RE DISPENSING

Dispensing Location: Outpatient Pharmacy

AXXXXX XXXXXX XXXXXX XXXX Mykad: [REDACTED] Age: 34 Years 04 Months 04 Days Gender: Female MRN: [REDACTED]
 Address: [REDACTED] Phone And Email: [REDACTED] Diagnosis: [REDACTED] **Known Allergies**

Height: 166 cm Weight: 66 kg BMI/BSA: 24 / 1.74 m² (Last Updated: 31/10/2019) Nationality: Warganegara

Re-Dispense No: RD311019_00002 Dispense No: 103019_00001 Status: Draft

Selection	Rx No	Drug Name	Order Details	Order Qty	Disp Qty	Disp No	Re-Disp Qty	Reason	Remarks
<input checked="" type="checkbox"/>	OPD0000824847	Metformin HCl 500 mg Tablet	500 mg, BID, 2 Months	120 tablet	60 tab	103019_00001	60	Lost	Remarks

Figure 3.9-9 Re Dispensing

STEP 10

Select **Reason** from dropdown menu

- Spilled
- Broken
- Lost
- Others

Note

User is allowed to print Drug Label by either to click on the button to preview or click on the button to direct printing drug label

STEP 11

Click on the button and Information Message will be display as Figure 3.9-10

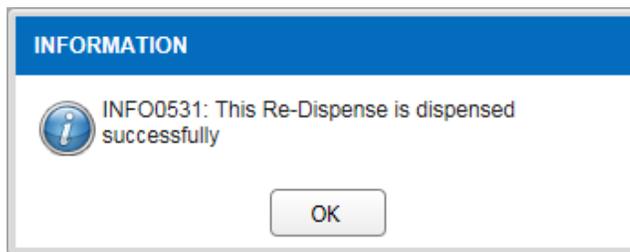


Figure 3.9-10 Information Message

Note

- Click on the button to completed the Re-Dispensing process
- User is allowed to Re-Dispense normal Drug only but not for psychotropic drug

4.0 Acronyms

Abbreviation	Definition
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
PM	Patient Management
eGL	Electronic Guarantee Letter
HRMIS	Human Resource Management System
MRN	Medical Record Number
OP	Outpatient Pharmacy
MOH	Ministry of Health

5.0 Links to Clinical Modules

No	Module	PDF Links	No	Module	PDF Links
1	<i>Inpatient</i>	Click Here	12	<i>CDR Dispensing</i>	Click Here
2	<i>CDR Order</i>	Click Here	13	<i>Methadone Dispensing</i>	Click Here
3	<i>TDM Order</i>	Click Here	14	<i>PN Dispensing</i>	Click Here
4	<i>PN Order</i>	Click Here	15	<i>Order Management</i>	Click Here
5	<i>IV Order</i>	Click Here	16	<i>Patient Management</i>	Click Here
6	<i>Prepacking</i>	Click Here	17	<i>Radiopharmaceuticals</i>	Click Here
7	<i>Galenical</i>	Click Here	18	<i>Outpatient</i>	Click Here
8	<i>MTAC</i>	Click Here	19	<i>Special Drug Request</i>	Click Here
9	<i>ADR & DAC</i>	Click Here	20	<i>MAR</i>	Click Here
10	<i>Medication Counselling</i>	Click Here	21	<i>DICE</i>	Click Here
11	<i>Ward Pharmacy</i>	Click Here	22		