

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

Pharmacy Based User Manual Inpatient Pharmacy

Version	: 13th Edition
Document ID	: PB_U. MANUAL_INPATIENT PHARMACY



PhIS & CPS Project
User Manual – Inpatient Pharmacy



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Reference ID : PB_U. MANUAL_INPATIENT PHARMACY-13th E

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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 geared towards pharmacy excellence. PhIS implementation would transform most of current manual process to electronic system would benefit facility end user in the health care sector.

There are 12 modules to assist services 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, Parenteral Nutrition, IV Admixture & Eye Drop, Radiopharmaceuticals and Extemporaneous
8. Adverse Drug Reaction & Drug Allergic (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 Inpatient Pharmacy sub-module and its key features and functionalities. The primary objective is to help guide user through the process of completing PhIS application process. User will understand the following activities in details:

- Transcribing
- Patient Registration
- Screening & Verification
- Preparation
- Dispensing
- Fill List
- Released / Discard Batch
- Medication Return
- Re-Dispensing

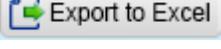
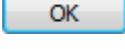
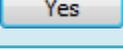
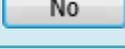
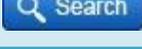
1.3 Organised Sections

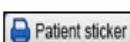
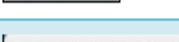
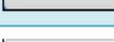
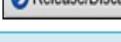
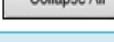
These are the sections within this document:

- Section 1 : Introduction
- Section 2 : Application Standard Features
- Section 3 : Inpatient Pharmacy
- Section 4 : Acronyms
- Section 5 : Links to Clinical Modules

2.0 Application Standard Features

2.1 PhIS Legend

Standard Legend			
	Login to PhIS		Logout from PhIS
	Close All Open Tabs		Refresh Screen
	Expand Menu		Collapse Menu
	Expand Module		Collapse Module
	Add/Create New Record		Save
	Close Window		Calendar Icon
	Save Transaction		Delete Record
	Export Report From PDF file to Excel file		OK Button
	Yes Button		No Button
	Radio Button	<input type="checkbox"/>	Checkbox
	System Automatic Generate Record No.		Automatically Display/Retrieve Box
	Reset Login Screen		Show Help
	Display Home Tab		Search Record
	Cancel		Dropdown Box
	Search Icon	*	Mandatory Field
	Edit Record		Empty Text Box
	Cancel Button		

Inpatient Module Legend					
	Update Patient's Height and Weight		Print Ingredient Label		Fill List
	Patient Sticker		Dispense		Label
	Preparation		Print Original Prescription		Worksheet
	Edit Label		Verify		Manage Fill List
	Generate Worksheet		Confirm		Balance Medication Sheet
	Invoice		Release/Discard		Collapse All Fill List
	Previous/Next record		Re-Dispense		Expand All Fill List

Note

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

3.0 Inpatient Pharmacy

Overview

The Inpatient Pharmacy module include Implementing safe, organized, and efficient drug-dispensing system 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 by medication errors by helping to minimize dispensing error opportunities in a pharmacy. At present there are various types of dispensing systems for medical prescription within a hospital.

User Group

This module is intended for pharmacist (subject to the user assigned by the facility)

Functional Diagram

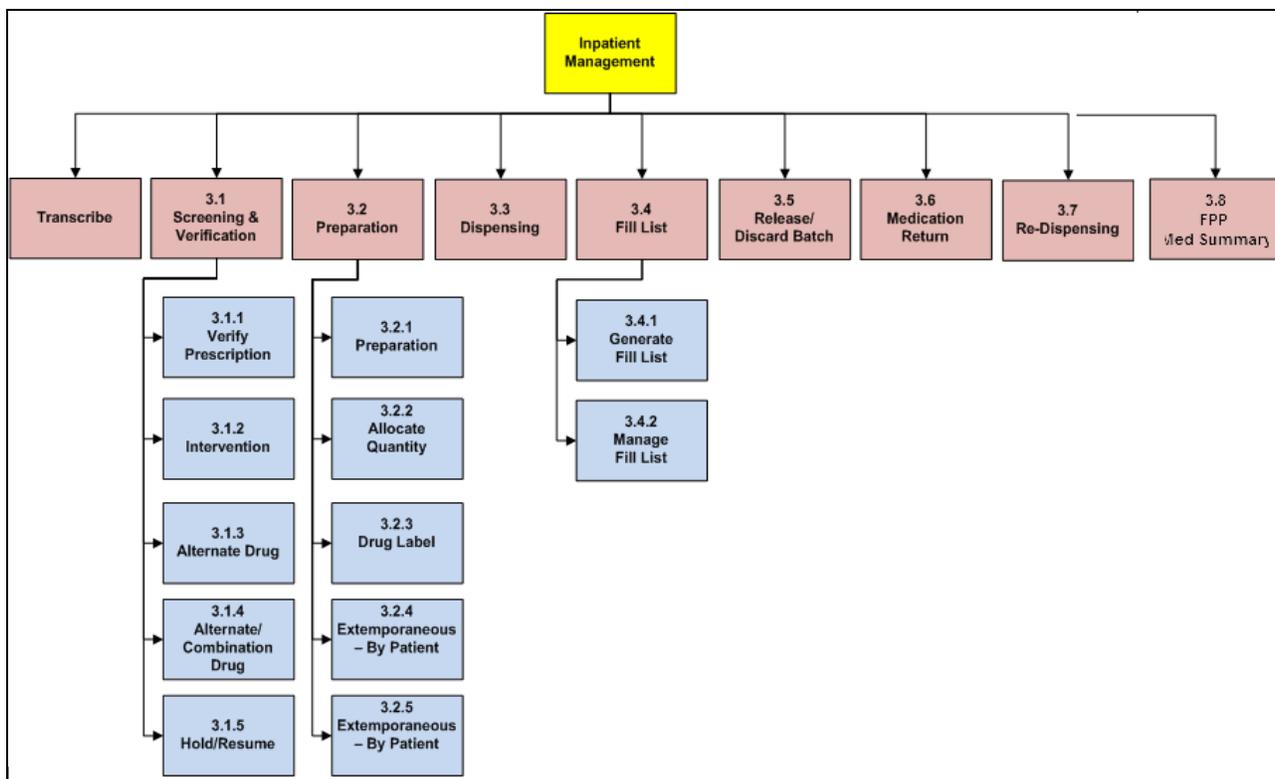


Figure 3.0-1

Functional Description

Inpatient Pharmacy comprises of seven (8) main functions:

- **Transcribing**

Transcribing 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. Transcribing is combination of 2 process which is ordering and dispensing which consist of ordering, acknowledgement, verification, preparation and dispensing in single workflow.

- **Screening & Verification**

Screening and verification is for the pharmacist to verify the prescriptions received from order management. This process is mandatory for all prescriptions receive before the user can proceed with dispensing preparation. There are also safety systems that warn against toxic doses, allergic and cross-reactions, drug interactions, duplication of therapeutic classes, contraindications, and adverse effects.

- **Preparation**

The prescription and the drug preparation are made in the system that may integrated with inventory system. Professionals access system data directly with no need to send files or manual drug labeling.

- **Dispensing**

The prescription and the dispensing report are made in the system that may integrated with inventory system

- **Fill List**

User is allowed to make unit dose dispensing for a selected nursing unit's entire list of patients of medication orders as a batch process. The dispensing process like preparation and dispensing will be done from the same screen for an entire list of patient from a selected nursing unit.

- **Release / Discard Batch**

Allow the user to release the drug reserved for the patient back into inventory. This list will a contain list of drugs with 'Uncollected', 'Prepared' or 'Hold' status. User need to release this drug in order for it to be available in the drug inventory list. The status of allocated (reserved quantity) will change to available quantity.

- **Medication Return**

Allow the user to return any unused drugs back to inventory. This screen will allow the user to Create New Record and Confirm Online Request. 'Confirm Online Request' is used to manage medication return requests made by nurses for medication returned for all unused medication from inpatient upon the patient's discharge.

- **Re-Dispensing**

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.

- **FPP Medication Summary**

Allow user to view Full Paying Patients details and update FPP supply for patient. User able to print Invoice for the finalized FPP Medication summary.

3.1 Search Registered Patient

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

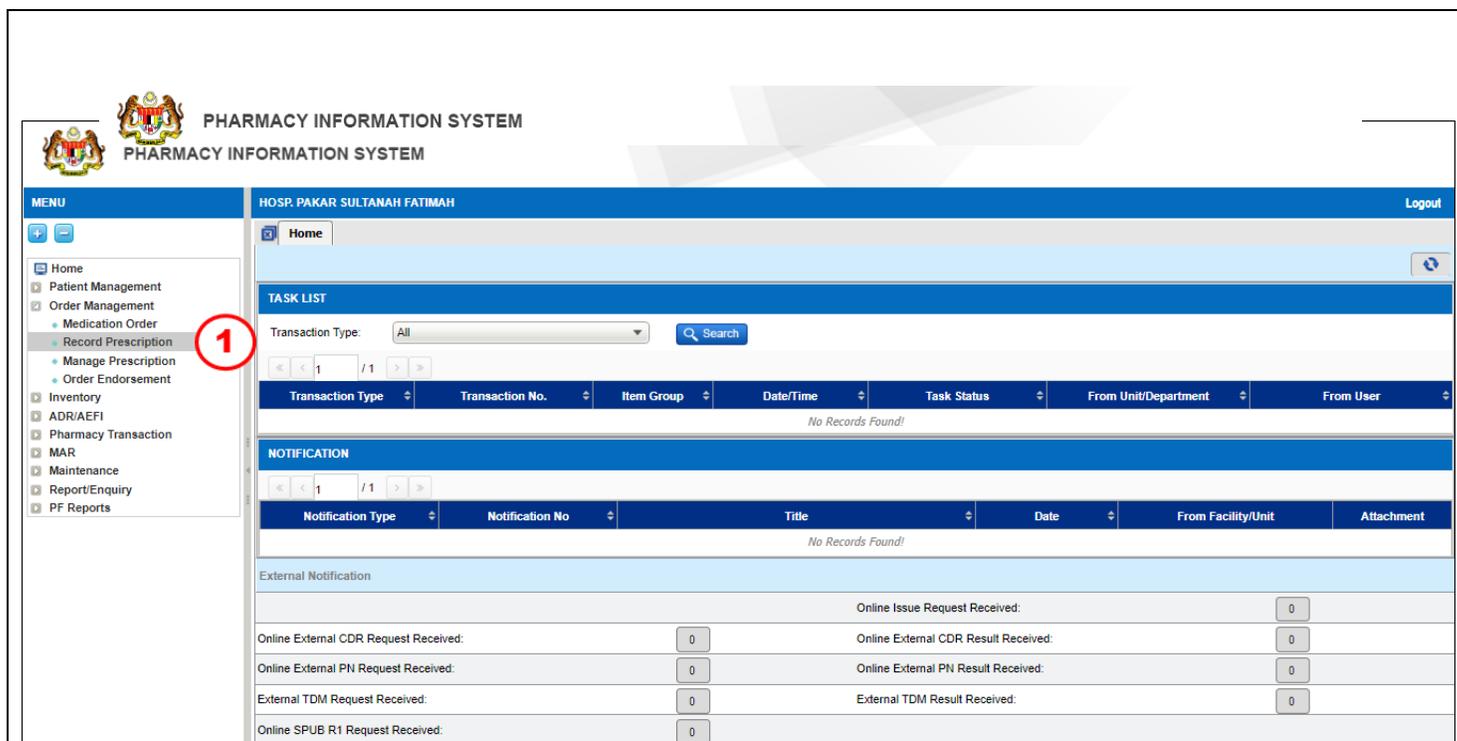


Figure 3.1-1 PhIS Home Page

STEP 1

Click on 'Order Management' menu followed by 'Record Prescription' and screen will be displayed as per Figure 3.1-2

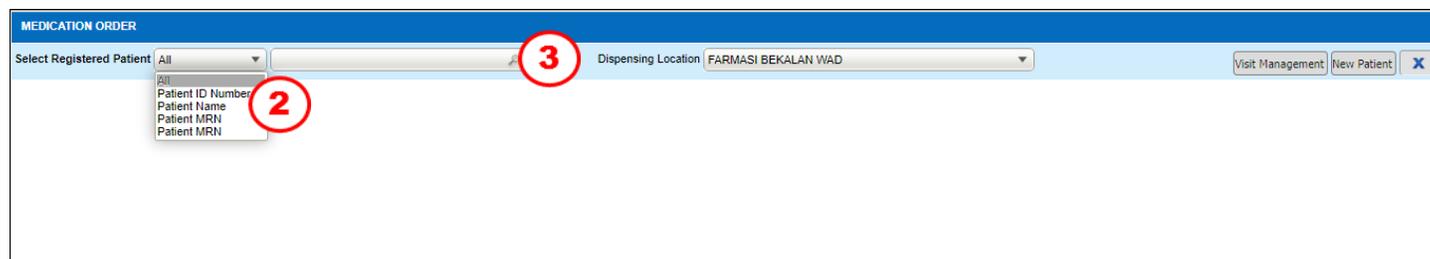


Figure 3.1-2 Medication Order

STEP 2

Select type of details of patient details.

STEP 3

Click on the  button to search for a registered patient

Note

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

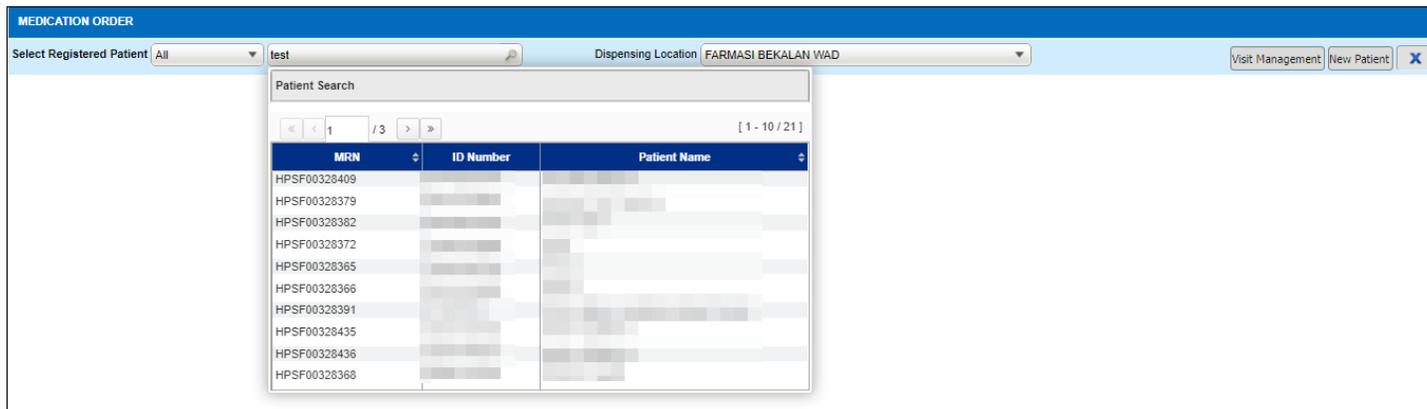


Figure 3.1-3 Search Patient

STEP 4

Double-click on the selected patient and the details will be displayed as per Figure 3.1-4

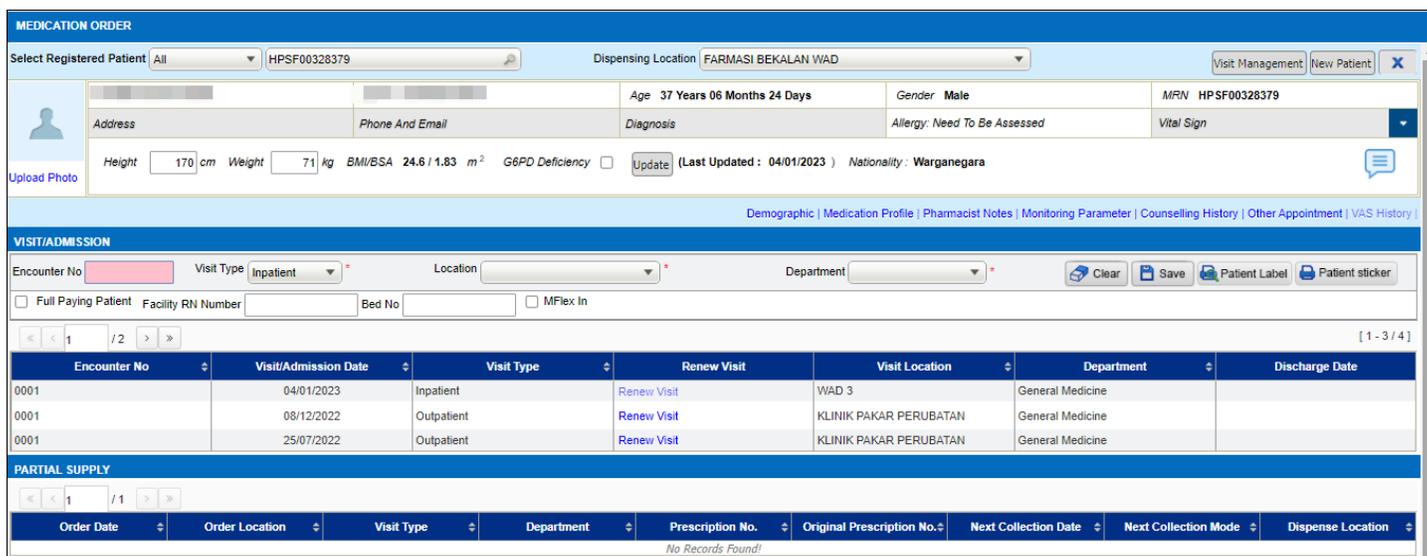


Figure 3.1-4 Medication Order Screen

Note

- Click at the  button to direct print patients sticker
- 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  to assess 'Visit Management' Screen. (Refer to Appendix 1).

MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD

Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379 **5**

Address: | Phone And Email: | Diagnosis: | Allergy: Need To Be Assessed | Vital Sign: [Dropdown]

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency: | Update (Last Updated: 04/01/2023) | Nationality: Warganegara

VISIT/ADMISSION

Encounter No: | Visit Type: Inpatient | Location: | Department: | Clear | Save | Patient Label | Patient sticker

Full Paying Patient | Facility RN Number: | Bed No: | MFlex In:

Encounter No	Visit/Admission Date	Visit Type	Renew Visit	Visit Location	Department	Discharge Date
0001	04/01/2023	Inpatient	Renew Visit	WAD 3	General Medicine	
0001	08/12/2022	Outpatient	Renew Visit	KLINIK PAKAR PERUBATAN	General Medicine	
0001	25/07/2022	Outpatient	Renew Visit	KLINIK PAKAR PERUBATAN	General Medicine	

PARTIAL SUPPLY

Order Date | Order Location | Visit Type | Department | Prescription No. | Original Prescription No. | Next Collection Date | Next Collection Mode | Dispense Location

No Records Found!

Figure 3.1-5 Visit / Admission Detail

STEP 5

Double-click on the selected visit and the details will be displayed as per Figure 3.1-6

MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD

Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379

Address: | Phone And Email: | Allergy: Need To Be Assessed | Vital Sign: [Dropdown]

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency: | Nationality: Warganegara

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Inpatient | Location: WAD 3 | Department: General Medicine | Clear | Patient Label | Patient sticker

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

VISIT RECORD

Discharge Medication | Original Prescription Serial Number: | Advanced Search

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: | Drug: | Dosage: 0 | Admin Route: | Frequency: | Duration: | Start Date / Time: 15/02/2023 12:00 PM

Patient Own Medication | Ward Stock | Patient Require Counselling

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

Total Price: RM 0.00

Figure 3.1-6 Allergy declaration Alert

Note

Allergy status must be declared for new patients as per Figure 3.1-6 and system will appear Medication Order screen as per Figure 3.1-7



MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD | Visit Management | New Patient

Address: [Redacted] | Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379

Phone And Email: [Redacted] | Diagnosis: [Redacted] | Allergy: Need To Be Assessed | Vital Sign: [Redacted]

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency: | Update (Last Updated: 04/01/2023) | 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 3 | Department: General Medicine | Clear | Patient Label | Patient sticker

Facility RN Number: [Redacted] | Bed No: [Redacted] | MFlex In:

VISIT RECORD

Discharge Medication | Original Prescription Serial Number: [Redacted]

NORMAL ORDER - DRUG DETAILS | View Order | Draft | Confirm | Total Price: RM 0.00

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

Original Prescriber Name: [Redacted] | Drug: [Redacted] | Dosage: 0 | Admin Route: [Redacted] | Frequency: [Redacted] | Duration: [Redacted] | Start Date / Time: 15/02/2023 12:00 PM

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

Figure 3.1-7 Medication Order Detail

3.2 New Patient Registration

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

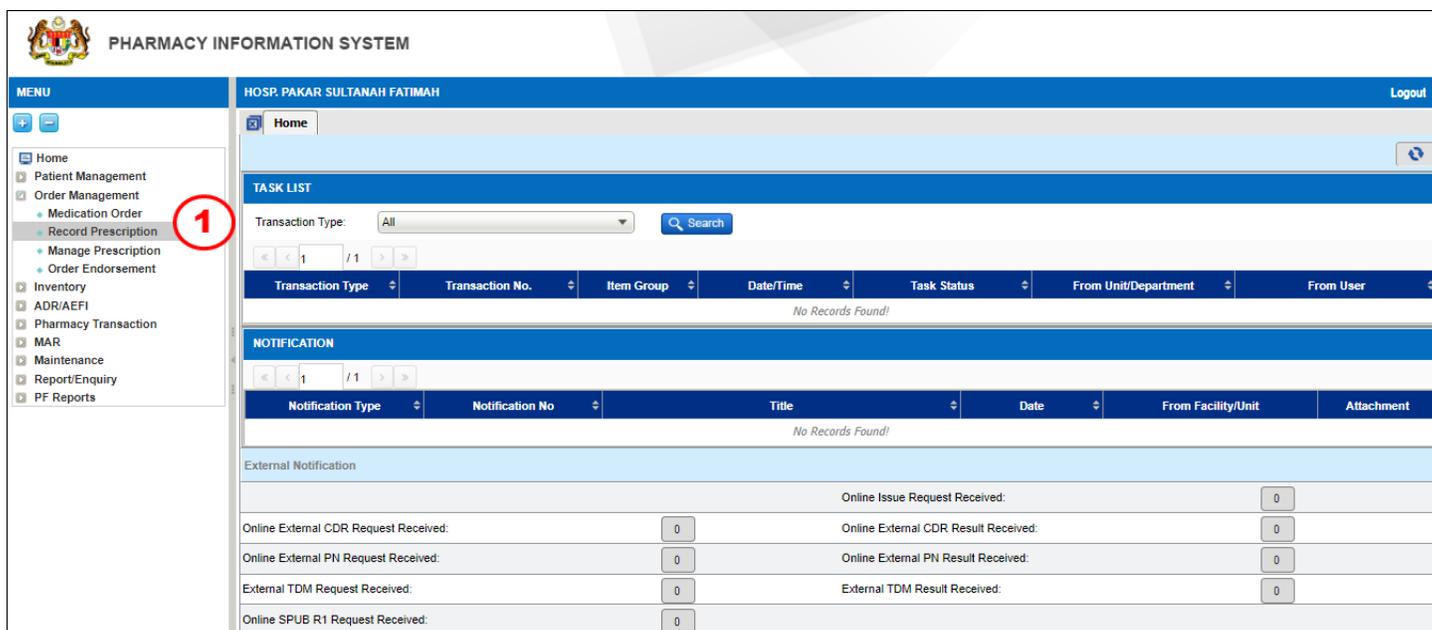


Figure 3.2-1 PhIS Home Page

STEP 1

Click on 'Order Management' menu followed by 'Record Prescription' and screen will be displayed as per Figure 3.2-1

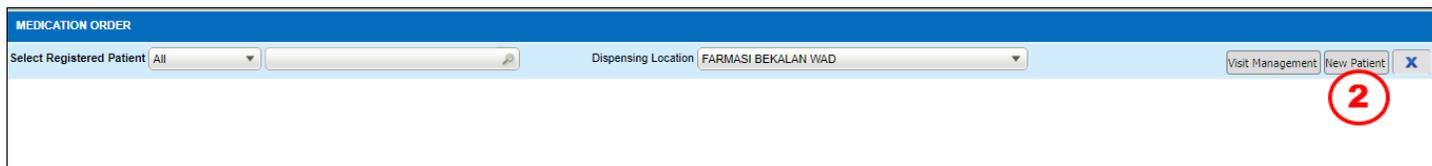
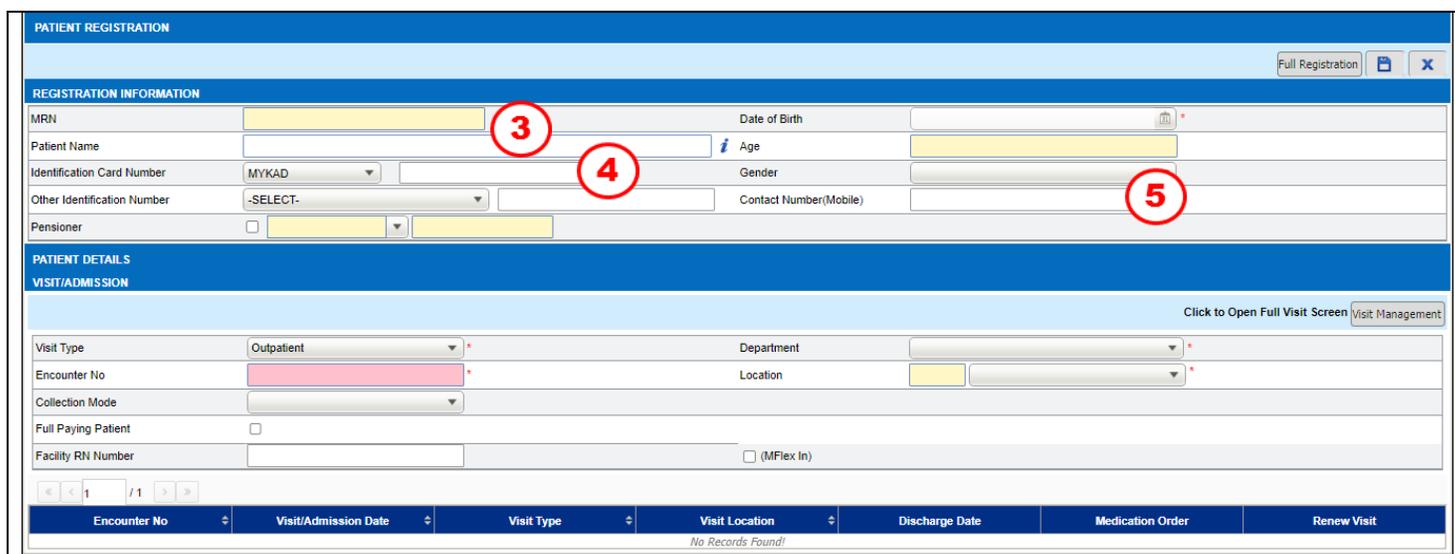


Figure 3.2-2 Transcribe Order Create New Patient

STEP 2

Click on the to register for new patient



PATIENT REGISTRATION

Full Registration [Save] [Close]

REGISTRATION INFORMATION

MRN [3] Date of Birth [] *

Patient Name [3] Age [] *

Identification Card Number [MYKAD] [4] 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] * Department [] *

Encounter No [] * Location [] *

Collection Mode []

Full Paying Patient

Facility RN Number [] (MFlex In)

< < 1 / 1 > >

Encounter No	Visit/Admission Date	Visit Type	Visit Location	Discharge Date	Medication Order	Renew Visit
1	1/1					

No Records Found!

Figure 3.2-3 Registration Information

STEP 3

Enter **Patient Name**

STEP 4

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

- MYKAD
- MYKID

and enter the relevant number

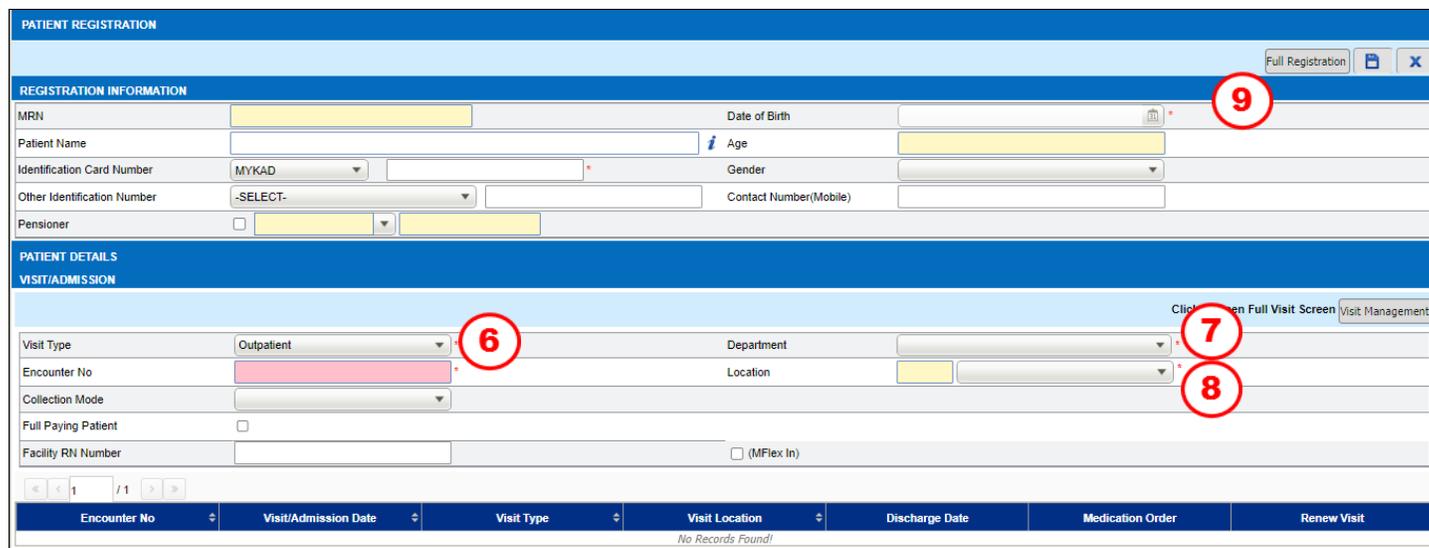
Note

- 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
 - MILITARY CARD NUMBER
 - MOTHER IC
 - MYKAS
 - MYPR
 - OLD IC
 - OTHERS
 - PASSPORT
 - PENSION CARD

- POLICE CARD NUMBER
- UNHCR
- UNKNOWN PATIENT
- WORK PERMIT

STEP 5

Enter **Contact Number (Mobile)**



The screenshot shows the 'PATIENT REGISTRATION' form. The 'REGISTRATION INFORMATION' section includes fields for MRN, Patient Name, Identification Card Number (MYKAD), Other Identification Number, Pensioner status, Date of Birth, Age, Gender, and Contact Number (Mobile). The 'PATIENT DETAILS' section includes 'VISIT/ADMISSION' with fields for Visit Type, Encounter No, Collection Mode, Full Paying Patient, Facility RN Number, Department, Location, and (M)Flex In. Annotations 6, 7, 8, and 9 are placed over the Visit Type, Department, Location, and Contact Number (Mobile) fields respectively. A 'Full Registration' button is visible in the top right corner. A table at the bottom shows a list of records with columns: Encounter No, Visit/Admission Date, Visit Type, Visit Location, Discharge Date, Medication Order, and Renew Visit. The table is currently empty, showing 'No Records Found!'.

Figure 3.2-4 Visit / Admission

STEP 6

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

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

STEP 7

Select the **Department** from dropdown box

STEP 8

Select **Location** from dropdown box

Note

Location will tie to the selected **Department**.

STEP 9

Click on the  button to save the record and medication order screen will display as per Figure 3.2.5

Note

- After click the save button, system will automatically generate the **MRN** (Medical Record Number) and ,  and  buttons will be enabled.
- Click on the **Full Registration** to assess 'Visit Management' Screen. (Refer to Appendix 2).
- 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 3.2-3.

MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD | Visit Management | New Patient

Address | Phone And Email | Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379
Diagnosis | Allergy: Need To Be Assessed | Vital Sign

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency | Update (Last Updated: 04/01/2023) | 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 3 | Department: General Medicine | Clear | Patient Label | Patient sticker
Facility RN Number | Bed No | MFlex In

VISIT RECORD

Discharge Medication | Original Prescription Serial Number

Patient Diagnosis

Allergy

Adverse Drug Reaction

Nutritional Assessment

Normal Order

Infusion Order

Parenteral Nutrition

Cytotoxic Drug Reconstitution

NORMAL ORDER - DRUG DETAILS

Total Price: RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info
■				

Original Prescriber Name: Advanced Search

Drug: Patient Own Medication

Dosage: Ward Stock

Admin Route: Patient Require Counselling

Frequency: Dosage Schedule

Duration:

Start Date / Time:

Figure 3.2-5 Medication Order

3.3 Inpatient Pharmacy (IP) Order

To perform these steps below to create new order

MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD

Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379

Address: [Redacted] | Phone And Email: [Redacted] | Diagnosis: [Redacted] | Allergy: Need To Be Assessed | Vital Sign: [Redacted]

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency: [] | Update: (Last Updated: 04/01/2023) | Nationality: Warganegara

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Inpatient | Location: WAD 3 | Department: General Medicine

VISIT RECORD

Discharge Medication: [] | Original Prescription Serial Number: [Redacted]

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: [Redacted] **1** | Advanced Search

Drug: [Redacted] | Dosage: 0 | Admin Route: [Redacted] | Frequency: [Redacted] | Duration: [Redacted] | Start Date / Time: 15/02/2023 12:00 PM

Options: Patient Own Medication [], Ward Stock [], Patient Require Counselling []

Total Price: RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info

Figure 3.3-1 Normal Inpatient Order

STEP 1

Click on the button to search **Original Prescriber Name**. Refer Figure 3.3-2

MEDICATION ORDER

Age: 21 Years 01 Months 13 Days | Gender: Male | MRN: HPSF00328382

Address: [Redacted] | Phone And Email: [Redacted] | Diagnosis: [Redacted] | Allergy: No Known Allergies | Vital Sign: [Redacted]

Height: 155 cm | Weight: 65 kg | BMI/BSA: 27.1 / 1.67 m² | G6PD Deficiency: [] | Update: (Last Updated: 15/02/2023) | Nationality: Warganegara

Normal Order

Original Prescriber Name: [Redacted] | Advanced Search

Search: [Redacted] | [1 - 10 / 1512]

Prescriber Name	Department/Discipline
[Redacted]	Orthopaedic
[Redacted]	General Surgery
[Redacted]	Anaesthesiology 2
[Redacted]	General Medicine
[Redacted]	Oral Health
[Redacted]	Paediatrics
[Redacted]	Pathology
[Redacted]	Emergency Trauma Care
[Redacted]	Paediatrics
[Redacted]	Paediatrics

Figure 3.3-2 Prescriber List

STEP 2

Double click on the selected prescriber. Refer Figure 3.3-2

MEDICATION ORDER

Select Registered Patient: All | HPSF00328379 | Dispensing Location: FARMASI BEKALAN WAD

Age: 37 Years 06 Months 24 Days | Gender: Male | MRN: HPSF00328379

Height: 170 cm | Weight: 71 kg | BMI/BSA: 24.6 / 1.83 m² | G6PD Deficiency: | Update (Last Updated: 04/01/2023) | Nationality: Warganegara

VISIT/ADMISSION

Encounter No: 0001 | Visit Type: Inpatient | Location: WAD 3 | Department: General Medicine

VISIT RECORD

Discharge Medication | Original Prescription Serial Number: **3**

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: [Field] | Drug: [Field] | Dosage: 0 | Admin Route: [Field] | Frequency: [Field] | Duration: [Field] | Start Date / Time: 15/02/2023 12:00 PM

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

Total Price: RM 0.00

Alert	Drug Name	Order Details	Order Qty	Drug Info

Figure 3.3-3 Original Order Transaction Number

STEP 3

Enter **Original Prescription Serial Number**. Refer Figure 3.3-3

MEDICATION ORDER

Select Registered Patient: All | HPSF00328382 | Dispensing Location: FARMASI BEKALAN WAD

Age: 21 Years 01 Months 18 Days | Gender: Male | MRN: HPSF00328382

Height: 155 cm | Weight: 65 kg | BMI/BSA: 27.1 / 1.67 m² | G6PD Deficiency: | Update (Last Updated: 15/02/2023) | Nationality: Warganegara

VISIT/ADMISSION

Discharge Medication | Original Prescription Serial Number: 12555

NORMAL ORDER - DRUG DETAILS

Original Prescriber Name: **4** | Drug: paracetamol | Dosage: Paracetamol 10mg/ml in 100ml solution for IV Infusion, Paracetamol 250 mg/5 ml Syrup, Paracetamol 250 mg Suppository, Paracetamol 500 mg Tablet | Admin Route: [Field] | Frequency: [Field] | Duration: [Field] | Start Date / Time: 20/02/2023 12:10 PM | End Date / Time: 20/02/2023 12:10 PM | Order Quantity: 0

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

Total Price: RM 0.00

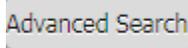
Alert	Drug Name	Order Details	Order Qty	Drug Info

Figure 3.3-4 Prescription Screen

STEP 4

Search drug by enter keyword of the drug name and click on the selected drug from the displayed list. Refer Figure 3.3-4

Note

- There is an option for user to search drugs by click on the  button.
- The screen displays information as below:
 - a) DrugName
 - b) ATC
 - c) Active Ingredient
 - d) Favourite

Note

- a) Search by  tab:
 - Enter Drug name
 - Select and enter Drug Category from drop down box
 - A
 - A*
 - A/KK
 - B
 - C
 - C+

Search results be displayed after clicking on  the button. Click on the selected drug to continue prescribing. Refer Figure 3.3-5

Drug Name	ATC	Active Ingredient	Favourite
-----------	-----	-------------------	-----------

Drug Name Drug Category

Search Result

|< < 1 / 96 > >| [1 - 10 / 951]

Drug Name	Category
2.5L bag 1.25mmol Calcium Dialysate Soln 1.5% Dextrose	B
2.5L bag 1.25mmol Calcium Dialysate Soln 2.5% Dextrose	B
2.5L bag 1.25mmol Calcium Dialysate Soln 4.25% Dextrose	B
2.5L bag 1.75mmol Calcium Dialysate Soln 1.5% Dextrose	B
2.5L bag 1.75mmol Calcium Dialysate Soln 2.5% Dextrose	B

Figure 3.3-5 Drug Name Search Detail Screen

Drug Name	ATC	Active Ingredient	Favourite
-----------	-----	-------------------	-----------

Anatomical Main Group Chemical Subgroup

Therapeutic Subgroup Chemical Substance

Pharmacological Subgroup

Search Result

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

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

Figure 3.3-6 ATC Search Detail Screen

Note

b) Search by group

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  button. Click on the selected drug to continue prescribing. Refer Figure 3.3-6

Drug Name	ATC	Active Ingredient	Favourite	
Active Ingredient		<input type="text"/>		
Dosage Form		<input type="text"/>		
Admin Route		<input type="text"/>		
			 	
<input type="text" value="1"/> / 96 [1 - 10 / 951]				
Dosage Form	Drug Name	Category	Admin Route	Strength
Parenteral Irrig Sol	2.5L bag 1.25mmol Calcium Dialysate Soln 1.5% Dextrose	B	Intraperitonea	0
Parenteral Irrig Sol	2.5L bag 1.25mmol Calcium Dialysate Soln 2.5% Dextrose	B	Intraperitonea	0

Figure 3.3-7 Active Ingredient Search Detail Screen

Note

c) Search by

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. Refer Figure 3.3-7

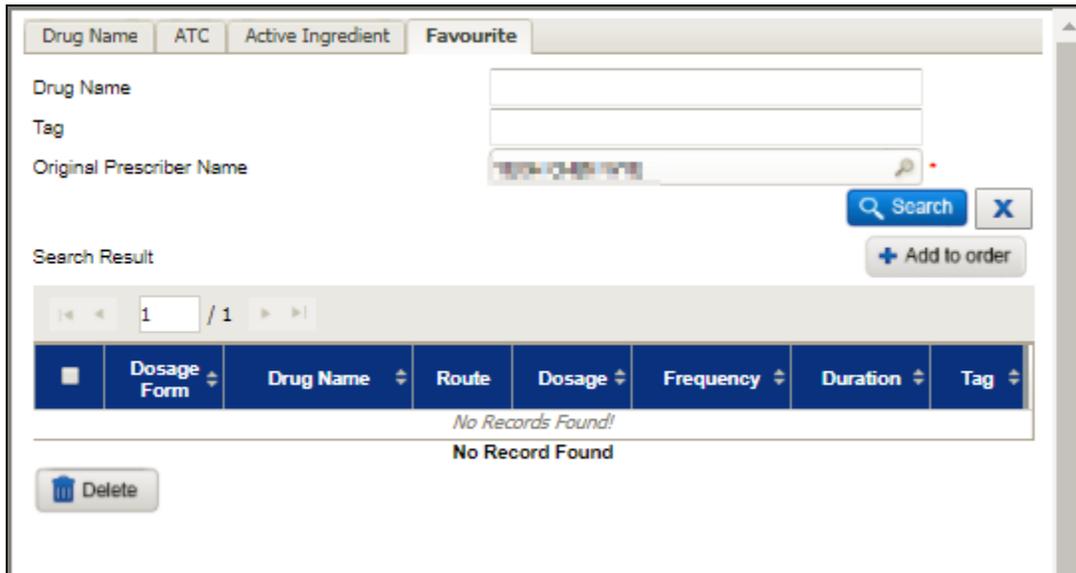


Figure 3.3-8 Favourite search Detail Screen

Note

- d) Search by **Favourite** tab
- Search the favourite drug by entering the drug name.
- Search results will be displayed after clicking on the **Search** button. Click on the selected drug to continue prescribing.
- Select the check box and click **Delete** button to remove from the Favourite list.
- This favourite list is derived from the prescriber's own favourite list. Refer Figure 3.3-8

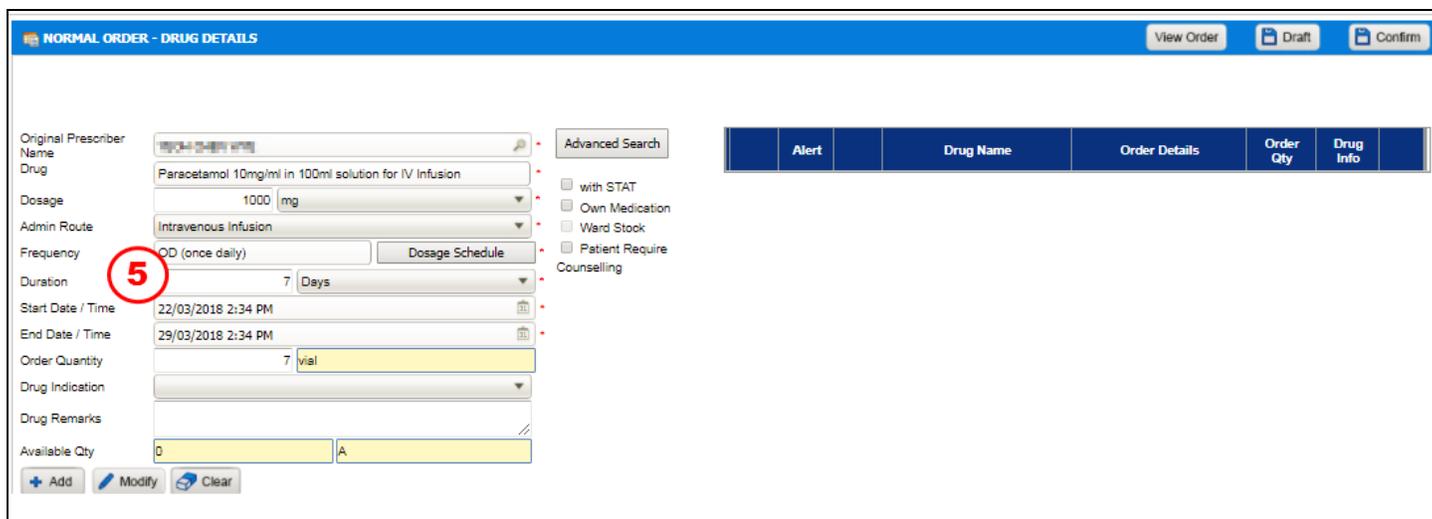


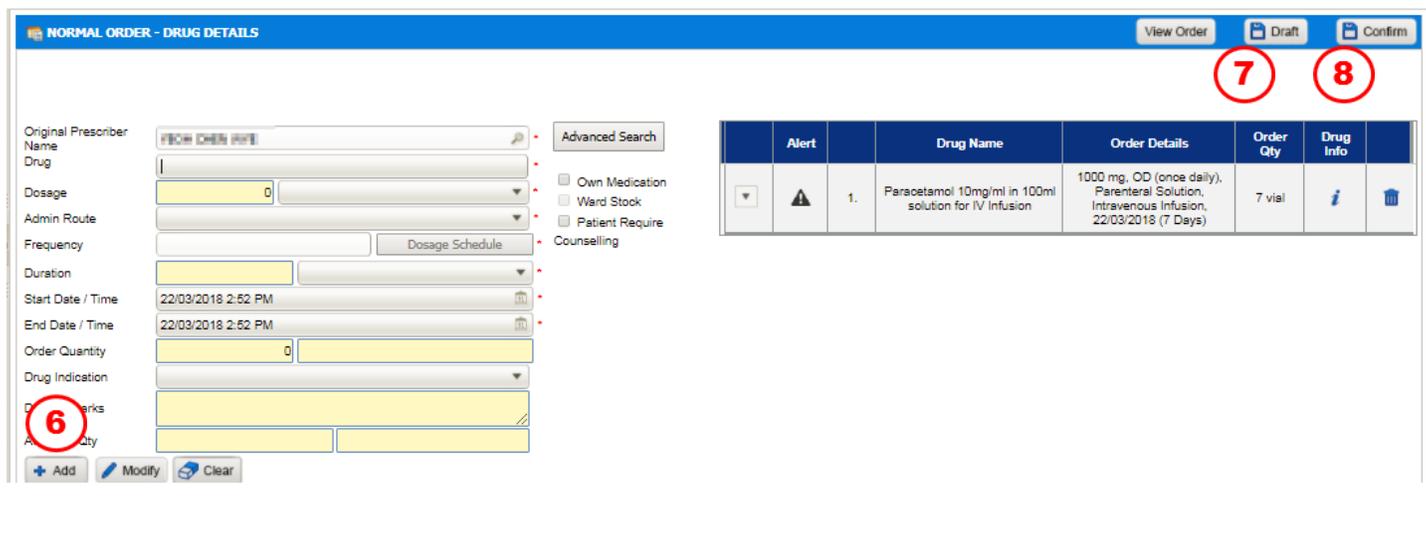
Figure 3.3-9 Medication Order

STEP 5

Enter **Duration** and select days/months or weeks from drop down menu. Refer Figure 3.3-9

Note

- Order Quantity will be automatically displayed and editable.
- **Dosage, Admin Route and Frequency** will be retrieved from the master setup; however, prescriber may amend the value as required.
- **Start Date/Time** will be defaulted to current date.
- **End Date/Time** will be calculated based on the Duration.
- **Patient Require Counselling** indication check box can be ticked 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 Remarks if applicable.



Alert	Drug Name	Order Details	Order Qty	Drug Info
1.	Paracetamol 10mg/ml in 100ml solution for IV Infusion	1000 mg, OD (once daily), Parenteral Solution, Intravenous Infusion, 22/03/2018 (7 Days)	7 vial	

Figure 3.3-10 Medication Order

STEP 6

Click on the  button to add medicine in prescription list. Refer Figure 3.3-10

Note

To add another drug to prescription, repeat Step 4 to 6.

STEP 7

Click on the  button to save prescription as draft

STEP 8

Click on the  button to proceed with screening and Verification

Note

- *Monthly Index of Medical Specialities (MIMS) will alert if there is any drug interaction.*
- *Click on the Drug Info hyperlink to view the drug details.*
- *Click on the  button to print prescription.*

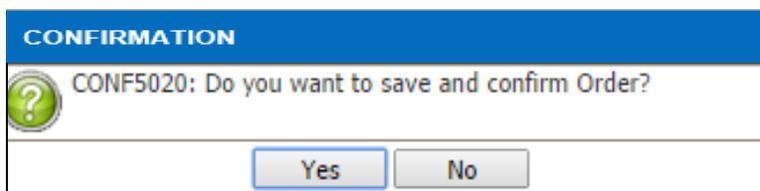


Figure 3.3-11 Medication Order

STEP 9

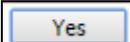
Click on the  button displayed. Refer Figure 3.3-11



Figure 3.3-12 Medication Order

Note

The drug Information alert window as per Figure 3.3.12 will display if there is any drug interaction.

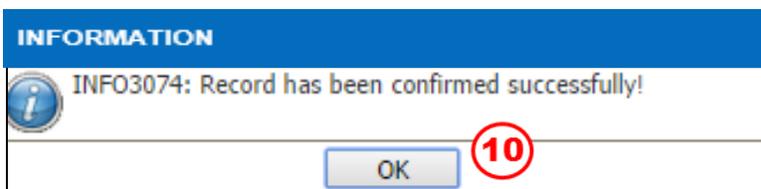
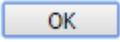


Figure 3.3-13 Medication Order

STEP 10

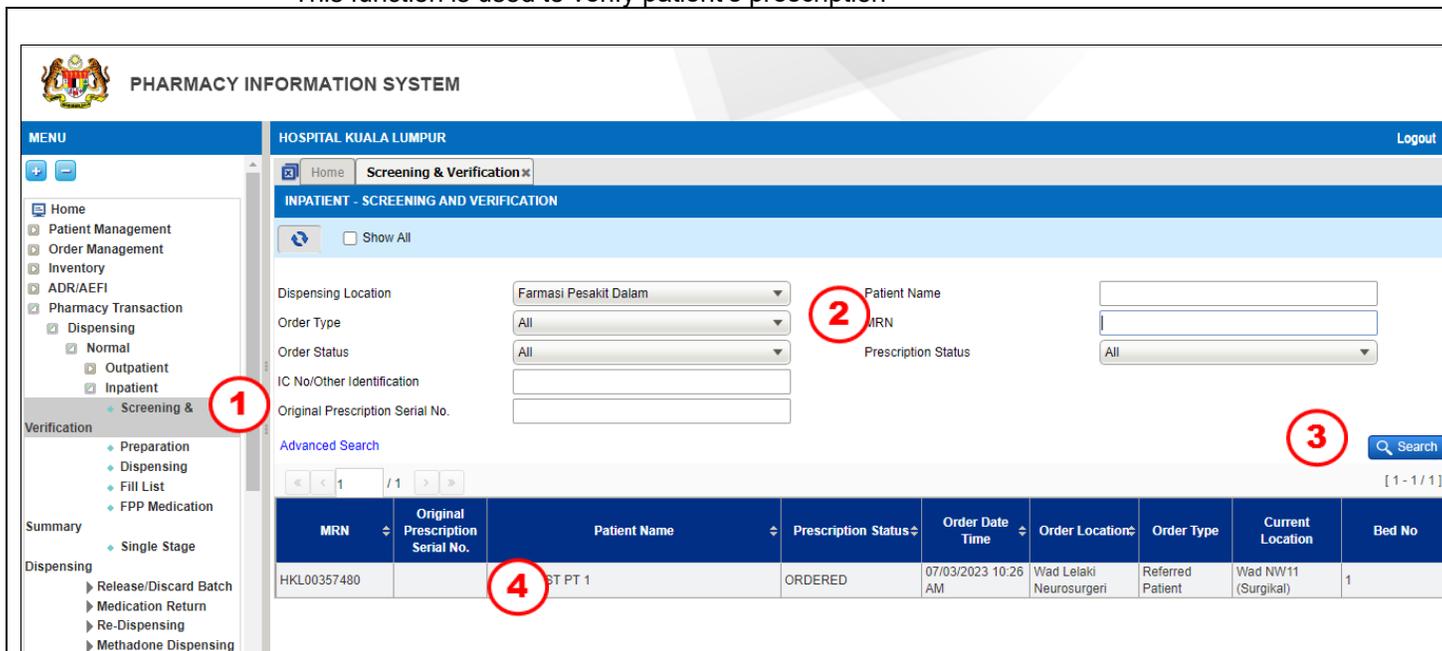
Click on the  button displayed. Refer Figure 3.3-13

3.4 Screening & Verification

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

3.4.1 Verify Prescription

This function is used to verify patient's prescription



The screenshot shows the 'PHARMACY INFORMATION SYSTEM' interface for 'HOSPITAL KUALA LUMPUR'. The main area is titled 'INPATIENT - SCREENING AND VERIFICATION'. It features a search form with fields for 'Dispensing Location' (set to 'Farmasi Pesakit Dalam'), 'Order Type' (set to 'All'), 'Order Status' (set to 'All'), 'IC No/Other Identification', and 'Original Prescription Serial No.'. There are also input fields for 'Patient Name' and 'MRN', and a 'Prescription Status' dropdown set to 'All'. A 'Search' button is located on the right. Below the search form is a table with the following data:

MRN	Original Prescription Serial No.	Patient Name	Prescription Status	Order Date Time	Order Location	Order Type	Current Location	Bed No
HKL00357480		ST PT 1	ORDERED	07/03/2023 10:26 AM	Wad Lelaki Neurosurgi	Referred Patient	Wad NW11 (Surgikal)	1

Figure 3.4.1-1 Screening & Verification Listing Page

Note

PhIS Screen menu/sub menu will be displayed according to user access right

STEP 1

Click on 'Screening & Verification' menu

STEP 2

Select **Dispensing Location**

STEP 3

Click on the  button to search the patient:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
c	Patient Name	Patient Name	Allow to search by full or partial patient's name
d	Order Type	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB, Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order

			Referred Patient – Prescription from referred patient
e	MRN	Patient MRN	Allow to search by patient full or partial MRN No
f	Order Status	-All -New Order -Partial Supply -Pending Authorisation	All – Type of search from range New order, Partial Supply and Pending Authorisation New Order – Prescription of new order Partial Supply – Prescription from partially dispense Pending Authorisation – Prescription contain of drug to authorise
g	Prescription Status	-Hold -Expired	Allow to search by prescription status
h	IC /Other Identification No	Patients identification number	Allow to search by patient identification number
i	Original Prescription Serial No		Allow to search by Prescription Serial No
Advance Search			
g	Order Location	Order location. (It will list down all active location)	
h	Order Location Type	-All -Clinic -Day Care -ER -Nursing Unit -Pharmacy	
i	Order Date From		Start point for range of order date
j	Order Date To		Order Date To can be NULL or must be greater than the value for Order Date From
k	Bed		Search patient by bed number
l	Recorded By		Search by Recorded by name
m	SPUB Out	-All -Yes -No	Search by SPUB status
n	Next Supply From		Start point for range of date
o	Next Supply To		Can be left NULL or must be greater than the value for Next Supply From

Table 3.4.1-1

Note

Advanced Search can be used to narrow down the criteria. Consist of:

- a) Order Location
- b) Order Location Type
- c) Order Date From
- d) Order Date To
- e) Bed No

STEP 4

Click on existing patient record and screen as in Figure 3.4.1-2 will be displayed

Figure 3.4.1-2 Screening and Verification Prescription

Note

For PB and record created from Record Prescription, once confirm the order, Screening stage screen will appear as in Figure 3.4.1-3. User does not need to go to Screening and Verification link to open the record. However, user still able to open patient record from Screening and Verification link

Figure 3.4.1-3 Verify Prescription from Record Prescription Listing Page

STEP 5

Click on the button to proceed verification process

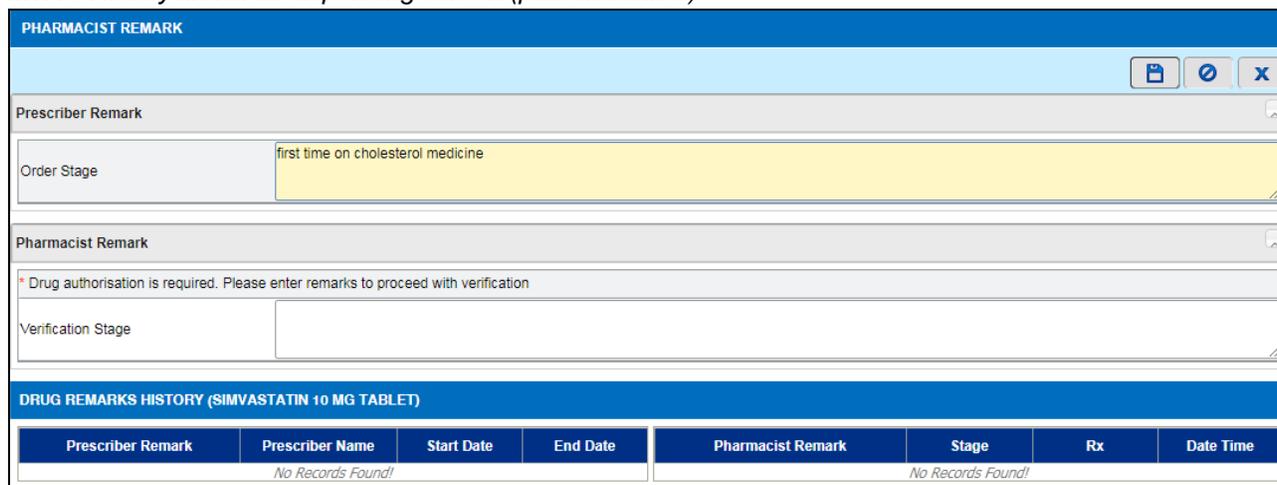
Note

- When selected patient name is clicked, the summary of patient information will be displayed in the patient banner. The patient banner will be displayed at the specific screen which is required patient information. Below is the list of patient information:
 - Patient Name
 - Patient Address
 - Patient IC Number
 - Patient Phone and Email
 - Patient Diagnosis
 - Patient Age
 - Patient Allergy
 - Patient Gender
 - Patient MRN
- Below options are provided for user to view the additional patient information. Click on the hyperlink as below:
 - a) **Monitoring Parameter**
 - Patient's laboratory test results.
 - b) **Counselling History**
 - Medication counselling history records.
 - c) **Demographic**
 - Patient's demographic details.
 - d) **Pharmacist Notes**
 - Pharmacy notes such as MTAC, Ward Pharmacy and etc.
 - e) **Medication Profile**
 - This hyperlink will show the patient's current medication and previous medication history.
 - f) **Other Appointments**
 - This screen provides information if there are any other appointments recorded for the patient.
- Current visit information will be displayed as below:
 - a) Admission Date
 - b) Attending practitioner
 - c) Visit location
 - d) Room No / Bed No
 - e) Rx No
- Prescription from order management will be displayed as below:
 - a) Alert
 - b) Drug Name
 - c) Order Detail
 - d) Order Qty - Quantity of drug ordered by the prescriber.
 - e) Reserve Qty
 - f) Balance Qty
 - g) Remarks
 - h) Drug Counselling
 - i) Prev Disp Qty
 - j) Freshly Prepare
 - k) Status
 - l) Drug Info
- To skip preparation screen, tick on the Proceed to Dispense checkbox.

- Select ENGLISH check box to print in English language.

Note

- Once the button  is clicked, system will automatically calculated the quantity in **Reserve Qty** field base on quantity in **Supply Duration** field.
- 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 3.4.1-4
- MTAC History link in all dispensing screen (patient banner)



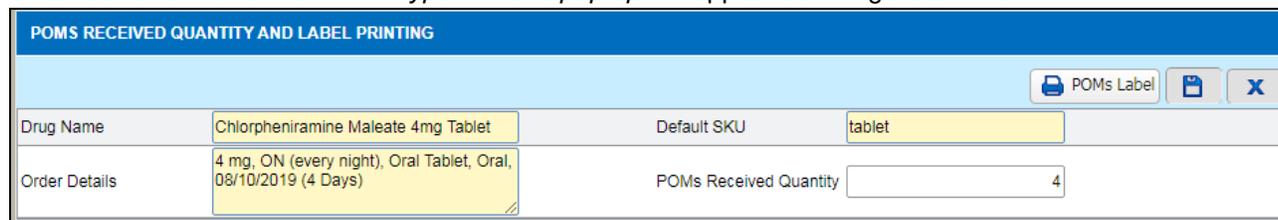
The screenshot shows a window titled "PHARMACIST REMARK" with a light blue header and standard window controls. Below the header, there are two main sections:

- Prescriber Remark:** Contains a text area with the value "first time on cholesterol medicine".
- Pharmacist Remark:** Contains a message: "* Drug authorisation is required. Please enter remarks to proceed with verification". Below this is a "Verification Stage" text area.

At the bottom, there is a table titled "DRUG REMARKS HISTORY (SIMVASTATIN 10 MG TABLET)". The table has columns: Prescriber Remark, Prescriber Name, Start Date, End Date, Pharmacist Remark, Stage, Rx, and Date Time. Both the left and right halves of the table display "No Records Found!".

Figure 3.4.1-4 Pharmacist Remark

- User able to update patient POM medications in Screening and verification stage by clicking at the POMs checkbox and click at the [0 vial](#) hyperlink and pop up will appear as in Figure 3.4.1-5



The screenshot shows a window titled "POMs RECEIVED QUANTITY AND LABEL PRINTING" with a light blue header and window controls. It contains a table with the following data:

Drug Name	Chlorpheniramine Maleate 4mg Tablet	Default SKU	tablet
Order Details	4 mg, ON (every night), Oral Tablet, Oral, 08/10/2019 (4 Days)	POMs Received Quantity	4

Buttons for "POMs Label", "Save", and "Close" are visible in the top right corner.

Figure 3.4.1-5 POM Received Quantity and Label Printing

- Key in quantity received and click  button and  button to print label.
- Label will appear as in Figure 3.4.1-6

HOSPITAL KUALA LUMPUR (Tel: 0326155555)	
PATIENT'S OWN MEDICINES (POMs)	
00433134(2323)	Wad Urologi 3A (Female) 3
Chlorpheniramine Maleate 4mg Tablet	
Ambil 1 biji Setiap malam	
Boleh diambil SEBELUM ATAU SELEPAS makan. Menyebabkan mengantuk. Elak memandu /kendali mesin.	
14/12/2021	Kuantiti 10 biji
UBAT TERKAWAL	15/12/2021 02:27 PM

Figure 3.4.1-6 POM Label

- If user wants to update POMs drug to Normal drug, Untick the POM checkbox and drug will be changed from own medication to normal medication. Pop up as Figure 3.4.1-7 will appear to confirm

CONFIRMATION


CONF7280: Do you want to update this POMS flag?

Figure 3.4.1-7 Confirmation

- Click button to confirm POM changes
- System will change the POM to normal drug as in Figure 3.4.1-8

PRESCRIPTION												
	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"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 4 Days 08/10/2019 02:37 PM - 12/10/2019 02:37 PM	32 tablet	0 tablet	<input type="checkbox"/> POMs	0 tablet	0 tablet	32 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		Dr. Rosnani Yahya
<input type="checkbox"/>	Simvastatin 10 mg Tablet	7 mg, OM, Oral, 4 Days 08/10/2019 02:38 PM - 12/10/2019 02:38 PM	3 tablet	0 tablet	<input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	3 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		Dr. Rosnani Yahya
<input type="checkbox"/>	Clopidogrel 75 mg Tablet	75 mg, OM, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	<input type="checkbox"/> POMs	0 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		Dr. Rosnani Yahya
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	4 mg, OM, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	<input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		Dr. Rosnani Yahya

Figure 3.4.1-8 Verify Prescription

- User able to update normal drugs to POMs or POMs to normal drugs only once. After these drugs changed, user cannot revert back the status. Update should be done in new order. Not applicable in partial supply record.

3.4.2 Intervention

This function allow user to modify drugs details frequency, duration and form. This function is available in screening verification screen and preparation screen however the suitable time to do intervention is during screening and verification screen

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counseling	Extemporaneous	Prescriber Name
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 4 Days 08/10/2019 02:37 PM - 12/10/2019 02:37 PM	32 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	32 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
<input checked="" type="checkbox"/>	Simvastatin 10 mg Tablet	7 mg, ON, Oral, 4 Days 08/10/2019 02:38 PM - 12/10/2019 02:38 PM	3 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	3 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Clopidogrel 75 mg Tablet	75 mg, OM, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	4 mg, ON, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	0 <input checked="" type="checkbox"/> POMs	4 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		

Figure 3.4.2-1 Screening & Verification - Intervention

Note

Repeat Step 1 to Step 5 as in verify prescription as per Figure 3.4.1-1 before perform Intervention steps.

STEP 1

Click on the checkbox as per Figure 3.4-2-1

STEP 2

Click on intervention button for Intervention as per Figure 3.4-2-1

Selection	Intervention Reason	Remarks	Prescription		Dispensing Process	
			Accepted	Not Accepted	Accepted	Not Accepted
<input checked="" type="checkbox"/>	Authenticity		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Indication		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Administration Error		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Drug Interaction		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Drug Not In Formulary		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Inappropriate Dose		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Inappropriate Drug		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Inappropriate Duration		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Drug Name	Dosage	Route	Frequency	Duration	Prescribed Qty	Start Date	End Date	Reasons
Atorvastatin 80 mg Tablet	40 mg	Oral	ON (every night)	7 Days	4 tablet	07/03/2023 1:25 PM	14/03/2023 1:25 PM	<input type="checkbox"/> +

Figure 3.4.2-2 Intervention

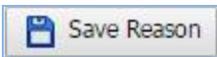
STEP 3

Choose the **Intervention Reason** by tick at the checkbox of the column **Selection** at the **intervention by doctor** or **intervention by pharmacist** column

STEP 4

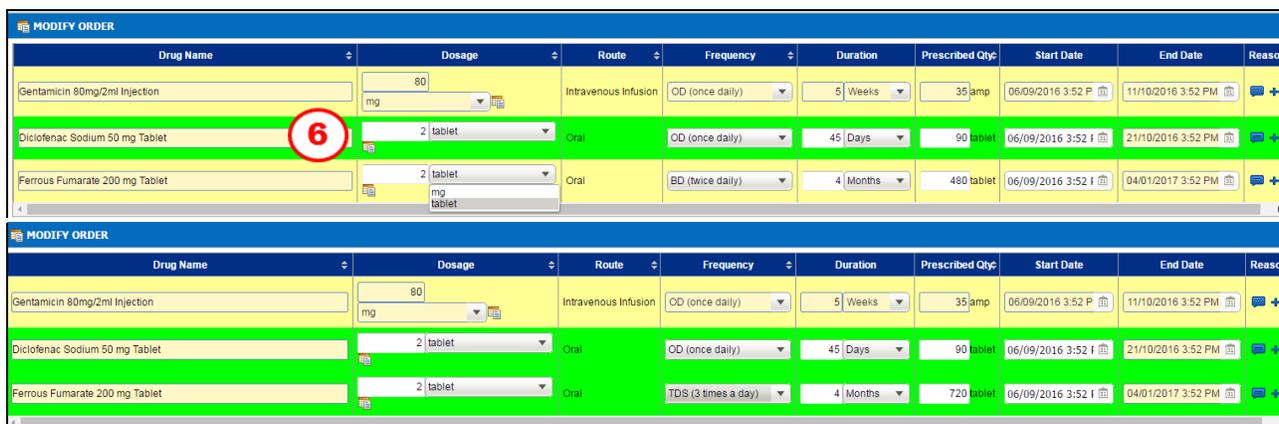
Enter remarks of intervention reason.

STEP 5

Click on the  to save the intervention reason. Once do that, the drugs information will be change from grey to yellow.

Note

- Intervention reason will be updated to all drugs listed in the screen.
- Background colour for the drugs change from grey to Yellow, means the records is being updated on the intervention reason but no modification been done.
 - a) There was also some colour 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



Drug Name	Dosage	Route	Frequency	Duration	Prescribed Qty	Start Date	End Date	Reason
Gentamicin 80mg/2ml Injection	80 mg	Intravenous Infusion	OD (once daily)	5 Weeks	35 amp	06/09/2016 3:52 P	11/10/2016 3:52 PM	
Diclofenac Sodium 50 mg Tablet	2 tablet	Oral	OD (once daily)	45 Days	90 tablet	06/09/2016 3:52 P	21/10/2016 3:52 PM	
Ferrous Fumarate 200 mg Tablet	2 tablet	Oral	BD (twice daily)	4 Months	480 tablet	06/09/2016 3:52 P	04/01/2017 3:52 PM	

Figure 3.4.2-3 Intervention

STEP 6

Modify the order detail and background color will change to green.

Note

- User is allowed to change only Frequency, Duration and Dose
- Modify Order will be displayed:
 - b) Drug name.
 - c) Dose – dosage will be allowed to change.
 - d) Frequency - dosage will be a drop down and allowed to change - once changed the changed value of the dose will be stored and the order quantity will be recalculated.
 - e) Order Qty - dosage will be allowed to change - value of the Order Qty will be recalculated after change the frequency and duration.
 - f) Start Date Time.
 - g) Dosage form.
 - h) Admin Route.
 - i) Admin Route.
 - i) Duration - duration is allowed to change. The user will also have to select the UOM for duration, possible UOM will be days, month and hours.

j) Dispense Location.

k) End Date Time.

l) Remarks.

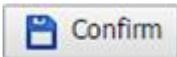
m) Reason-Reason will display previous intervention done for same drug selected as per Figure 3.1.2-5

-If same reason selected in Verification and Preparation stage, report will capture as 1 Intervention ,If multiple reason selected, system will capture as 2 Intervention

The screenshot shows the 'INTERVENTION' form. At the top, there are radio buttons for 'Modify with Reason' (selected), 'Reason only', and 'Modify without Reason'. A red circle with the number '7' highlights the 'Confirm' button. Below this is the 'PHARMACY REMARKS' section with fields for 'Drug Name' (set to 'All Drugs') and 'Order Detail'. The main part of the form consists of two tables: 'INTERVENTION BY DOCTOR' and 'INTERVENTION BY PHARMACIST'. Each table has columns for 'Selection', 'Intervention Reason', 'Remarks', 'Intervention Accepted', and 'Intervention Not Accepted'. The 'MODIFY ORDER' section at the bottom shows details for 'Simvastatin 10 mg Tablet', including dosage (20 mg), route (Oral), frequency (ON every night), duration (7 Days), prescribed quantity (14 tablet), start date (11/10/2019 2:46 PM), and end date (18/10/2019 2:46 PM).

Figure 3.4.2-4 Intervention

STEP 7

Click on Confirm  button to save the modification as refer to Figure 3.4.2-4.

The screenshot shows a 'CONFIRMATION' dialog box. It contains a question mark icon and the text 'CONF0105: Are you sure you want to confirm?'. Below the text are three buttons: 'Cancel', 'Yes', and 'No'. A red circle with the number '8' highlights the 'Yes' button.

Figure 3.4.2-5 Confirmation

STEP 8

Click on  to confirm drug intervention.

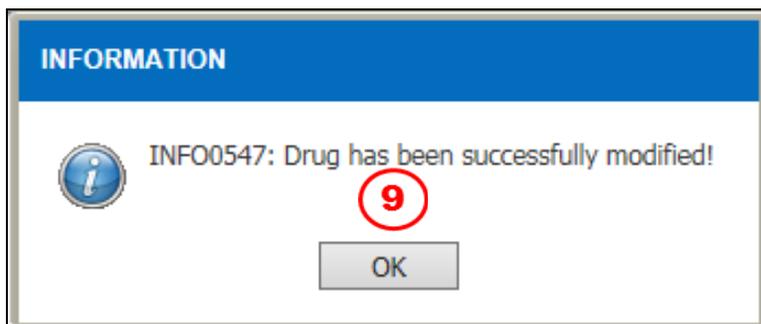
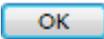


Figure 3.4.2-6 Information Alert Message

STEP 9

Click on the  button to save record

PRESCRIPTION												
<input type="checkbox"/> ENGLISH Invoice Worksheet Worksheet Balance Medication Sheet Patient sticker Label IP Label OP Label Full Supply												
<input type="checkbox"/> Allocate Prepare												
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescrib Name
<input type="checkbox"/>	Paracetamol 500 mg Tablet	500 mg, PRN4, Oral, 3 Days 14/12/2021 12:03 PM - 17/12/2021 12:03 PM	20 tablet	0 tablet	0 <input type="checkbox"/> <input type="checkbox"/> POMs	0 tablet	0 tablet	20 tablet (2 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	4 mg, BID, Oral, 5 Days 14/12/2021 03:21 PM - 19/12/2021 03:21 PM	10 tablet	0 tablet	0 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	10 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Simvastatin 10 mg Tablet	10 mg, ON, Oral, 5 Days 14/12/2021 03:21 PM - 19/12/2021 03:21 PM	5 tablet	0 tablet	1 <input type="checkbox"/> <input type="checkbox"/> POMs Alternate(C)	0 tablet	1 tablet	4 tablet (3 day(s))	Remarks	<input type="checkbox"/> Detail		

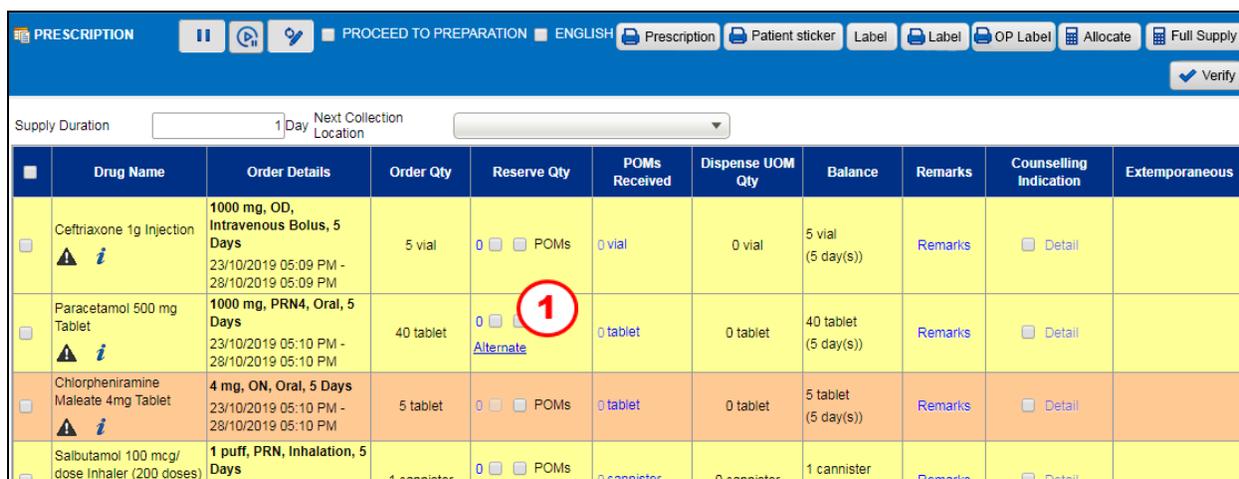
Figure 3.4.2-7 Prescription

Note

It will then go back to Screening & Verification screen with changes being highlighted in blue text as per Figure 3.4.2-7

3.4.3 Alternate Drug

This function allow user to select different drug with the same active ingredient and same administration route. This function is available in screening verification screen and preparation screen, however the suitable time to do intervention is during screening and verification screen



Drug Name	Order Details	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
Ceftriaxone 1g Injection	1000 mg, OD, Intravenous Bolus, 5 Days 23/10/2019 05:09 PM - 28/10/2019 05:09 PM	5 vial	0 <input type="checkbox"/> POMs	0 vial	0 vial	5 vial (5 day(s))	Remarks	<input type="checkbox"/> Detail	
Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 5 Days 23/10/2019 05:10 PM - 28/10/2019 05:10 PM	40 tablet	0 <input type="checkbox"/> Alternate	0 tablet	0 tablet	40 tablet (5 day(s))	Remarks	<input type="checkbox"/> Detail	
Chlorpheniramine Maleate 4mg Tablet	4 mg, ON, Oral, 5 Days 23/10/2019 05:10 PM - 28/10/2019 05:10 PM	5 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	5 tablet (5 day(s))	Remarks	<input type="checkbox"/> Detail	
Salbutamol 100 mcg/dose Inhaler (200 doses)	1 puff, PRN, Inhalation, 5 Days	1 cannister	0 <input type="checkbox"/> POMs	0 cannister	0 cannister	1 cannister	Remarks	<input type="checkbox"/> Detail	

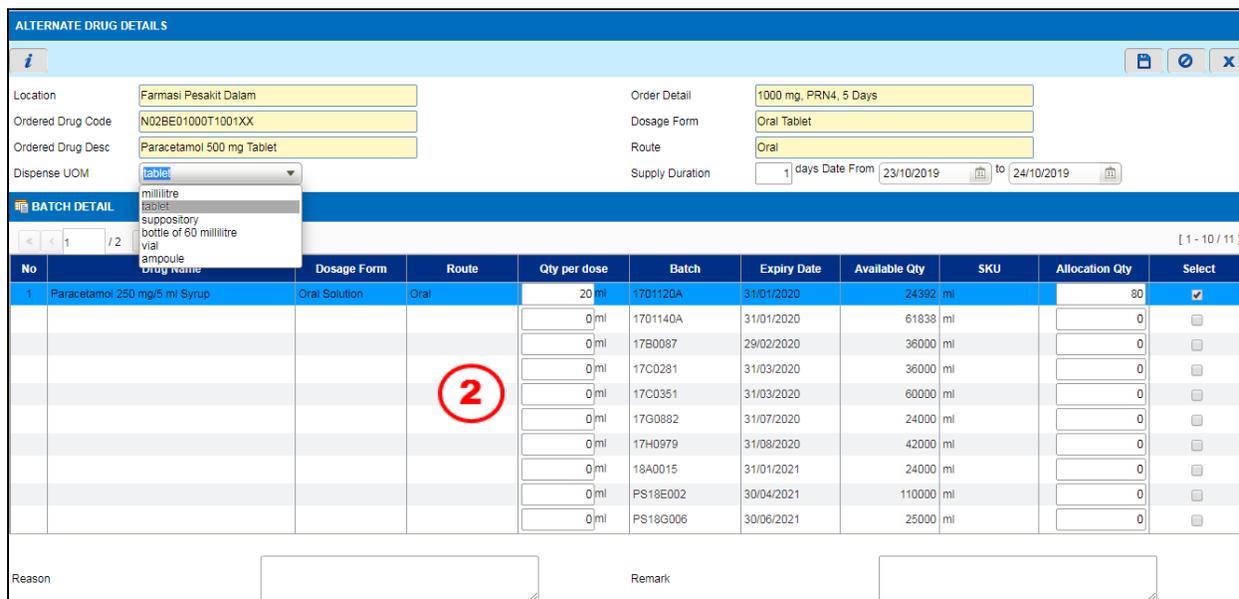
Figure 3.4.3-1 Screening & Verification – Alternate Drug

Note

Repeat **Step 1 to Step 4** as in verify prescription as per Figure 3.4-1-1 before perform Alternate Drug steps.

STEP 1

Click on the [Alternate](#) link to do alternate as per Figure 3.4.3-1



No	Drug Name	Dosage Form	Route	Qty per dose	Batch	Expiry Date	Available Qty	SKU	Allocation Qty	Select
1	Paracetamol 250 mg/5 ml Syrup	Oral Solution	Oral	20 ml	1701120A	31/01/2020	24392 ml		80	<input checked="" type="checkbox"/>
				0 ml	1701140A	31/01/2020	61838 ml		0	<input type="checkbox"/>
				0 ml	17B0087	29/02/2020	36000 ml		0	<input type="checkbox"/>
				0 ml	17C0281	31/03/2020	36000 ml		0	<input type="checkbox"/>
				0 ml	17C0351	31/03/2020	60000 ml		0	<input type="checkbox"/>
				0 ml	17G0882	31/07/2020	24000 ml		0	<input type="checkbox"/>
				0 ml	17H0979	31/08/2020	42000 ml		0	<input type="checkbox"/>
				0 ml	18A0015	31/01/2021	24000 ml		0	<input type="checkbox"/>
				0 ml	PS18E002	30/04/2021	110000 ml		0	<input type="checkbox"/>
				0 ml	PS18G006	30/06/2021	25000 ml		0	<input type="checkbox"/>

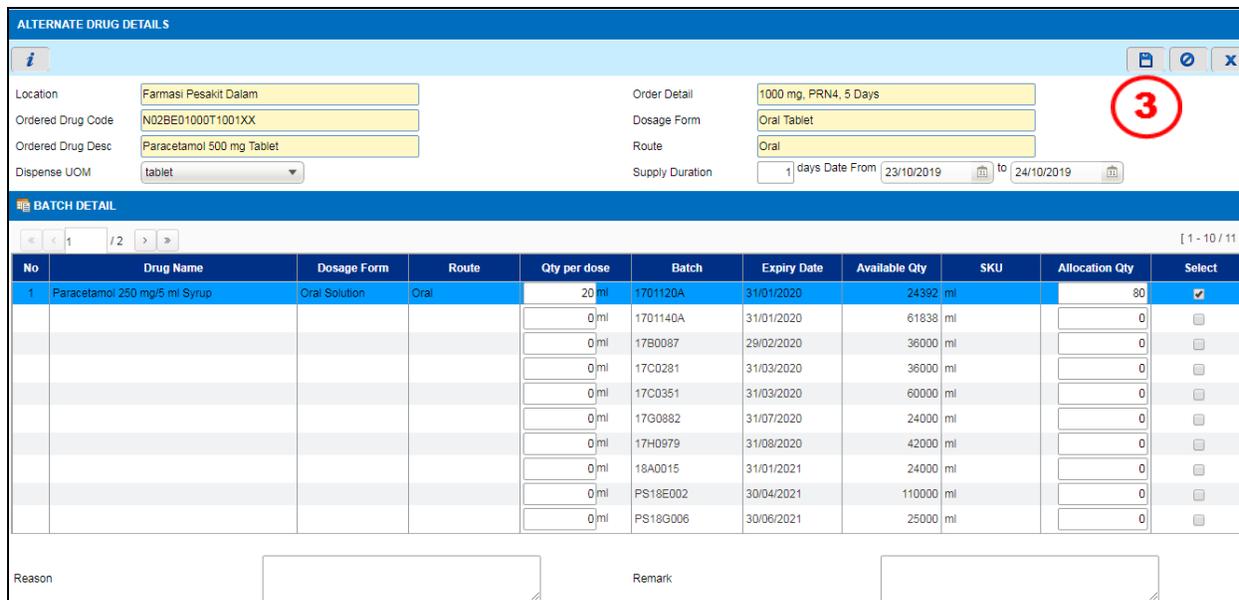
Figure 3.4.3-2 Alternate Drug Details

STEP 2

Enter the **Qty per dose** and save record

Note

Dispense UOM is available to select as per Figure 3.4.3-2



No	Drug Name	Dosage Form	Route	Qty per dose	Batch	Expiry Date	Available Qty	SKU	Allocation Qty	Select
1	Paracetamol 250 mg/5 ml Syrup	Oral Solution	Oral	20 ml	1701120A	31/01/2020	24392 ml		80	<input checked="" type="checkbox"/>
				0 ml	1701140A	31/01/2020	61838 ml		0	<input type="checkbox"/>
				0 ml	17B0097	29/02/2020	36000 ml		0	<input type="checkbox"/>
				0 ml	17C0281	31/03/2020	36000 ml		0	<input type="checkbox"/>
				0 ml	17C0351	31/03/2020	60000 ml		0	<input type="checkbox"/>
				0 ml	17G0882	31/07/2020	24000 ml		0	<input type="checkbox"/>
				0 ml	17H0979	31/08/2020	42000 ml		0	<input type="checkbox"/>
				0 ml	18A0015	31/01/2021	24000 ml		0	<input type="checkbox"/>
				0 ml	PS18E002	30/04/2021	110000 ml		0	<input type="checkbox"/>
				0 ml	PS18G006	30/06/2021	25000 ml		0	<input type="checkbox"/>

Figure 3.4.3-3 Alternate Drug Details

STEP 3

Click on the  button to save record

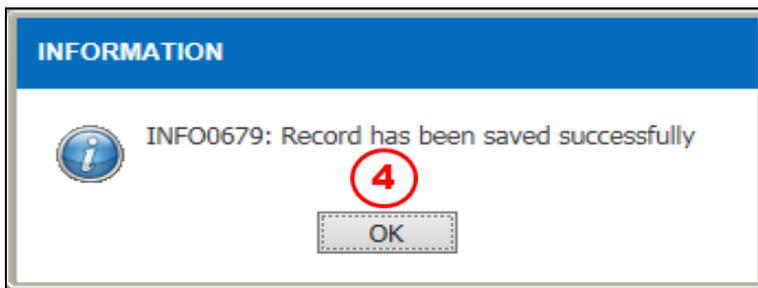
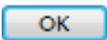


Figure 3.4.3-4 Information Alert Message

STEP 4

Click on the  button to save record and screen will automatically closed and back to prescription screen as Figure 3.4.3-5

PRESCRIPTION												
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescri Nam
<input type="checkbox"/>	Ceftriaxone 1g Injection  	1000 mg, OD, Intravenous Bolus, 5 Days 23/10/2019 05:09 PM - 28/10/2019 05:09 PM	5 vial	0 vial	0 <input type="checkbox"/> POMs	0 vial	0 vial	5 vial (5 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Paracetamol 500 mg Tablet  	1000 mg, PRN4, Oral, 5 Days 23/10/2019 05:10 PM - 28/10/2019 05:10 PM	40 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate	0 tablet	0 tablet	32 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
	Paracetamol 250 mg/5 ml Syrup				80 ml							
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet  	4 mg, ON, Oral, 5 Days 23/10/2019 05:10 PM - 28/10/2019 05:10 PM	5 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	5 tablet (5 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Salbutamol 100 mcg/ dose Inhaler (200 doses)  	1 puff, PRN, Inhalation, 5 Days 23/10/2019 05:10 PM - 28/10/2019 05:10 PM	1 cannister	0 cannister	0 <input type="checkbox"/> POMs Alternate	0 cannister	0 cannister	1 cannister (5 day(s))	Remarks	<input type="checkbox"/> Detail		

Figure 3.4.3-5 Updated Prescription

3.4.4 Alternate / Combination Drug

This function allow user to replace existing ordered drug with the combination of drug within the same active ingredient and same administration route as ordered drug. This function is available in screening verification screen and preparation screen, however the suitable time to do intervention is during screening and verification screen.

	Drug Name	Order Details	Order Qty	Reserve Qty	POMS Received	Dispense UOM Qty	Balance	Remarks	Counselling Indication	Extemporaneous
<input type="checkbox"/>	Atorvastatin 20 mg Tablet	40 mg, ON, Oral, 7 Days 11/10/2019 02:44 PM - 18/10/2019 02:44 PM	14 tablet	0 <input type="checkbox"/> POMS	0 tablet	0 tablet	14 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Simvastatin 10 mg Tablet	20 mg, ON, Oral, 7 Days 11/10/2019 02:46 PM - 18/10/2019 02:46 PM	14 tablet	0 <input type="checkbox"/> POMS Alternate(C)	0 tablet	0 tablet	14 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	7 mg, ON, Oral, 7 Days 11/10/2019 02:48 PM - 18/10/2019 02:48 PM	13 tablet	0 <input type="checkbox"/> POMS	0 tablet	0 tablet	13 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Salbutamol 100 mcg/ dose Inhaler (200 doses)	1 puff, PRN, Inhalation, 7 Days 11/10/2019 02:48 PM -	1 cannister	0 <input checked="" type="checkbox"/> POMS	0 cannister	0 cannister	1 cannister (7 day(s))	Remarks	<input checked="" type="checkbox"/> Detail	

Figure 3.4.4-1 Screening & Verification

Note
Repeat Step 1 to Step 4 as in verify prescription as per Figure 3.4.1-1 before perform **Alternate / Combination Drug** steps.

STEP 1

Click on the [Alternate\(C\)](#) hyperlink to perform alternate / combination drug as per Figure 3.4.4-1

ALTERNATE DRUG DETAILS

Location: Ward Supply Pharmacy | Order Detail: 40 mg, ON, 7 Days
 Ordered Drug Code: C10AA05000T1004XX | Dosage Form: Oral Tablet
 Ordered Drug Desc: Atorvastatin 80 mg Tablet | Route: Oral
 Dispense UOM: **tab** | Supply Duration: 1 days Date From: 07/03/2023 to: 08/03/2023

BATCH DETAIL
 批号: pack of 30 tablet

No	Drug Name	Dosage Form	Route	Qty per dose	Batch	Expiry Date	Available Qty	SKU	Allocation Qty	Select
1	Atorvastatin 40 mg Tablet	Oral Tablet	Oral	0 tablet	32424F	10/06/2024	10000	tablet	0	<input type="checkbox"/>

Reason: | Remark:

Figure 3.4.4-2 Alternate Drug Detail

STEP 2

Enter the **Qty per dose** field for selected combination drug

ALTERNATE DRUG DETAILS

Location: Ward Supply Pharmacy
 Ordered Drug Code: C10AA05000T1004XX
 Ordered Drug Desc: Atorvastatin 80 mg Tablet
 Dispense UOM: tab

Order Detail: 40 mg, ON, 7 Days
 Dosage Form: Oral Tablet
 Route: Oral
 Supply Duration: 1 days Date From: 07/03/2023 to 08/03/2023

BATCH DETAIL

No	Drug Name	Dosage Form	Route	Qty per dose	Batch	Expiry Date	Available Qty	SKU	Allocation Qty	Select
1	Atorvastatin 40 mg Tablet	Oral Tablet	Oral	1 tablet	32424F	10/06/2024	10000 tablet		1	<input checked="" type="checkbox"/>

Reason: Remark:

Figure 3.4.4-3 Alternate Drug Details

STEP 3

Click on the button to save record

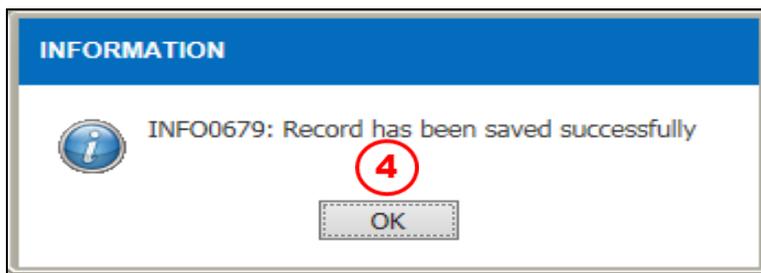


Figure 3.4.4-4 Information Alert Message

STEP 4

Click on the button to save record and screen will be automatically closed and back to prescription screen as Figure 3.4-5

PHARMACY ORDER

Order Type: Normal Order By: Halimatus
 Supply Duration: 1 Day

PRESCRIPTION

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescri Nam
<input type="checkbox"/>	Atorvastatin 20 mg Tablet	40 mg, ON, Oral, 7 Days 11/10/2019 02:44 PM - 18/10/2019 02:44 PM	14 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	14 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Simvastatin 10 mg Tablet	20 mg, ON, Oral, 7 Days 11/10/2019 02:46 PM - 18/10/2019 02:46 PM	14 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	9 tablet (6 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Simvastatin 10 mg Tablet				1 tablet							
<input type="checkbox"/>	Simvastatin 40 mg Tablet				1 tablet							
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	7 mg, ON, Oral, 7 Days 11/10/2019 02:48 PM - 18/10/2019 02:48 PM	13 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	13 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Salbutamol 100 mcg/ dose Inhaler (200 doses)	1 puff, PRN, Inhalation, 7 Days 11/10/2019 02:48 PM - 18/10/2019 02:48 PM	1 cannister	0 cannister	0 <input checked="" type="checkbox"/> POMs	0 cannister	0 cannister	1 cannister (7 day(s))	Remarks	<input checked="" type="checkbox"/> Detail		

Figure 3.4.4-5 Updated Prescription

3.4.5 Hold / Resume

This function allows Pharmacist to hold medication from being prepare or dispense; may resume the medication order to continue dispensing. Hold/Resume process is available at Screening and Verification, Preparation and Dispensing

	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescri Nam
<input checked="" type="checkbox"/>	Atorvastatin 20 mg Tablet	40 mg, ON, Oral, 7 Days 11/10/2019 02:44 PM - 18/10/2019 02:44 PM	14 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	14 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail		
<input checked="" type="checkbox"/>	Simvastatin 10 mg Tablet	20 mg, ON, Oral, 7 Days 11/10/2019 02:46 PM - 18/10/2019 02:46 PM	14 tablet	0 tablet	0 <input type="checkbox"/> POMs Alternate(C)	0 tablet	0 tablet	9 tablet (6 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Simvastatin 10 mg Tablet				-1 tablet							
<input type="checkbox"/>	Simvastatin 40 mg Tablet				-1 tablet							
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	7 mg, ON, Oral, 7 Days 11/10/2019 02:48 PM - 18/10/2019 02:48 PM	13 tablet	0 tablet	0 <input type="checkbox"/> POMs	0 tablet	0 tablet	13 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Salbutamol 100 mcg/ dose Inhaler (200 doses)	1 puff, PRN, Inhalation, 7 Days 11/10/2019 02:48 PM - 18/10/2019 02:48 PM	1 cannister	0 cannister	0 <input checked="" type="checkbox"/> POMs	0 cannister	0 cannister	1 cannister (7 day(s))	Remarks	<input checked="" type="checkbox"/> Detail		

Figure 3.4.5-1 Screening & Verification – Hold

Hold

Note

Repeat **Step 1 to Step 4** as verify prescription as per Figure 3.4.1-1 before perform Hold / Resume steps.

STEP 1

Select one drug by clicking on the checkbox

STEP 2

Click on Hold button as per Figure 3.4.5-1

Drug Name	Reason	Other Reason	Remark
Atorvastatin 80 mg Tablet	<ul style="list-style-type: none"> 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 		

Figure 3.4.5-2 Hold Order – Pharmacist Remarks

Note

Select and enter from the **Hold Reason** drop down box:

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

STEP 3

Select the reason and enter the Remarks field with applicable information

STEP 4

Click on the  button

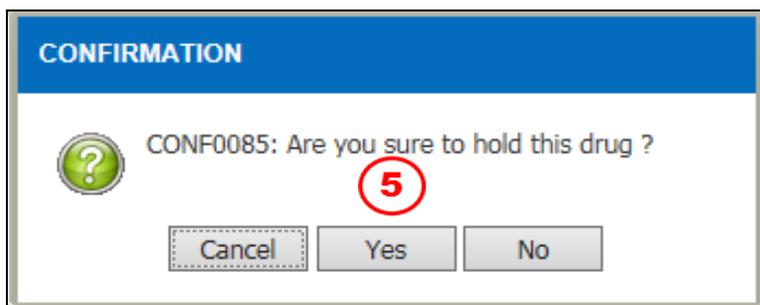


Figure 3.4.5-3 Hold Drug Alert Message

STEP 5

Click on the  button to Hold Drug and confirmation pop up message will automatically close

Resume

PHARMACY ORDER												
Supply Duration		1 Day		Next Collection Location		Farmasi Pesakit Dalam		SPUB <input type="checkbox"/> SPUB R1 Form				
PRESCRIPTION												
<input type="button" value="Invoice"/> <input type="button" value="Worksheet"/> <input type="button" value="Worksheet"/> <input type="button" value="Balance Medication Sheet"/> <input type="button" value="Balance Medication Sheet"/> <input type="button" value="Patient sticker"/> <input type="button" value="Label"/> <input type="button" value="IP Label"/> <input type="button" value="OP Label"/> <input type="button" value="Full Supply"/>												
<input type="button" value="Allocate"/> <input type="button" value="Prepare"/>												
	Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescrib Name
<input type="checkbox"/>	Paracetamol 500 mg Tablet	1000 mg, PRN4, Oral, 4 Days 08/10/2019 02:37 PM - 12/10/2019 02:37 PM	32 tablet	0 tablet	<input type="checkbox"/> POMs	0 tablet	0 tablet	32 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
<input type="checkbox"/>	Simvastatin 10 mg Tablet	1 tablet, ON, Oral, 4 Days 08/10/2019 02:38 PM - 12/10/2019 02:38 PM	4 tablet	0 tablet	<input type="checkbox"/> POMs Alternate(Q)	0 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		
<input checked="" type="checkbox"/>	175 mg Tablet	75 mg, OM, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	<input type="checkbox"/> POMs	0 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail	<input type="checkbox"/> Detail	
<input type="checkbox"/>	Chlorpheniramine Maleate 4mg Tablet	4 mg, ON, Oral, 4 Days 08/10/2019 02:39 PM - 12/10/2019 02:39 PM	4 tablet	0 tablet	<input type="checkbox"/> POMs	4 tablet	0 tablet	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail		

Figure 3.4.5-4 Screening & Verification – Resume

STEP 1

Click on the button as per Figure 3.4.5-4

STEP 2

Click on the Resume  button and select Resume as per Figure 3.4.5-4

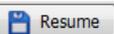
HOLD ORDER - PHARMACIST REMARKS				
Drug Name	Reason	Other Reason	Remark	Action Taken
Atorvastatin 80 mg Tablet	Inappropriate Dose		test	<input type="button" value="Resume"/>

Figure 3.4.5-5 Hold Order – Pharmacist Remarks

STEP 3

Enter information in **Action Taken** field

STEP 4

Click on the  button

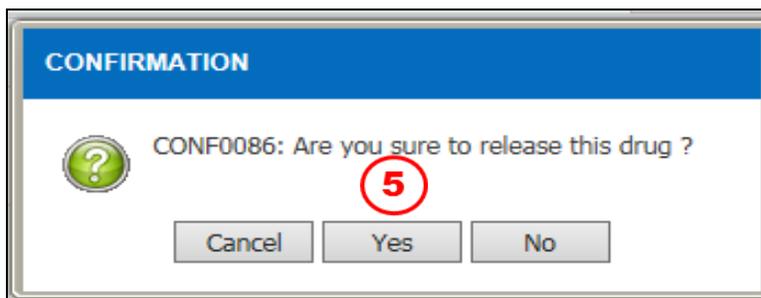


Figure 3.4.5-6 Confirmation Alert Message

STEP 5

Click on the  button to release drug from hold and the Hold Order screen will automatically close

Note

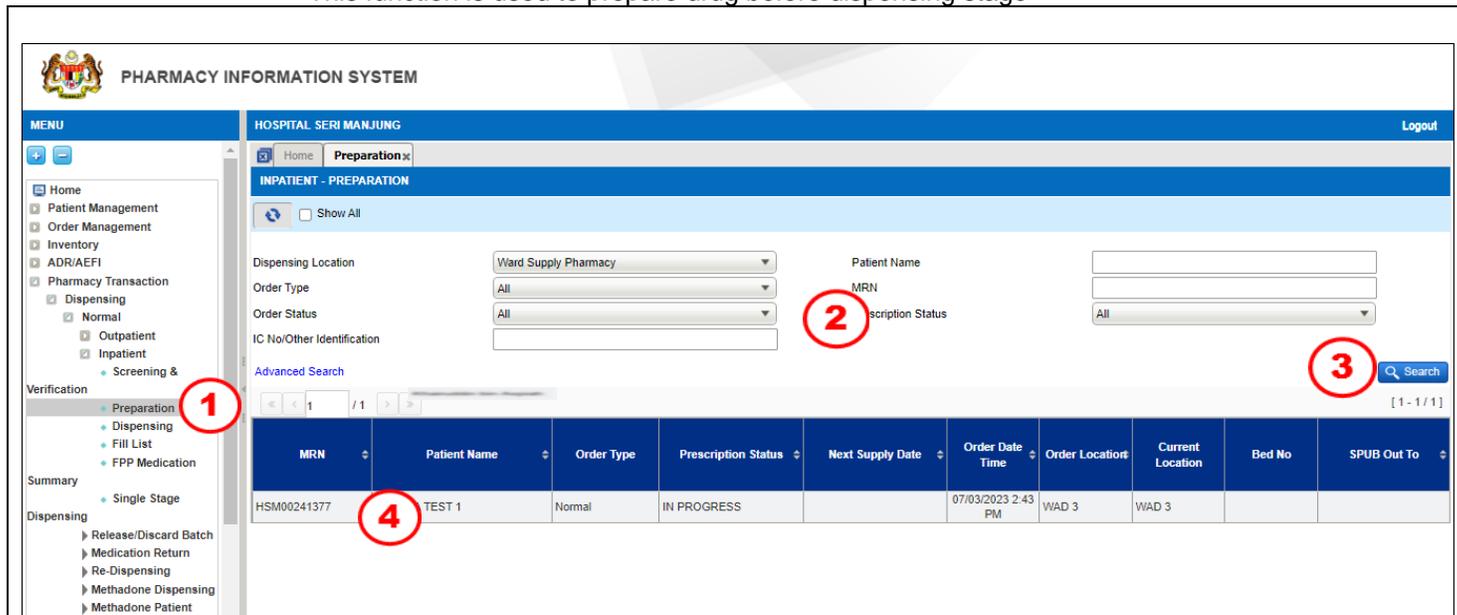
User able to add Intervention and modify order for hold drugs in partial supply screen for inpatient prescription. Follow steps as per Intervention module.

3.5 Preparation

This function is used to prepare drug, allocate quantity, Perform Intervention, Prepare drug Label, Prepare Extemporaneous by Patient and Prepare Extemporaneous by Pharmacist before dispensing stage

3.5.1 Prepare

This function is used to prepare drug before dispensing stage



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Home Preparation

INPATIENT - PREPARATION

Dispensing Location: Ward Supply Pharmacy

Order Type: All

Order Status: All

IC No/Other Identification:

Patient Name:

MRN:

Prescription Status: All

Advanced Search

MRN	Patient Name	Order Type	Prescription Status	Next Supply Date	Order Date Time	Order Location	Current Location	Bed No	SPUB Out To
HSM00241377	TEST 1	Normal	IN PROGRESS		07/03/2023 2:43 PM	WAD 3	WAD 3		

Figure 3.5.1-1 Preparation Listing Page

STEP 1

Click on 'Preparation' sub menu

STEP 2

Search existing patient record as follow:

a) **Dispensing Location**

b) **Order Type**

- All
- Normal
- SPUB
- Discharge

c) **Patient Name**

d) **MRN**

e) **Order Status**

- All
- New Order
- Partial Supply

f) **Prescription status**

- All
- Hold
- Expired

g) **IC No/Other Identification**

Note

Advanced Search

can be used to narrow down the criteria. It is consisting of:

- a) Order Location
- b) Order Location Type
- c) Order Date From
- d) Order Date To
- e) Next Supply From
- f) Next Supply To
- g) Bed No
- h) Dispense At
- i) SPUB Out

STEP 3

Click on the  button to search the patient

STEP 4

Double click on the selected patient's name

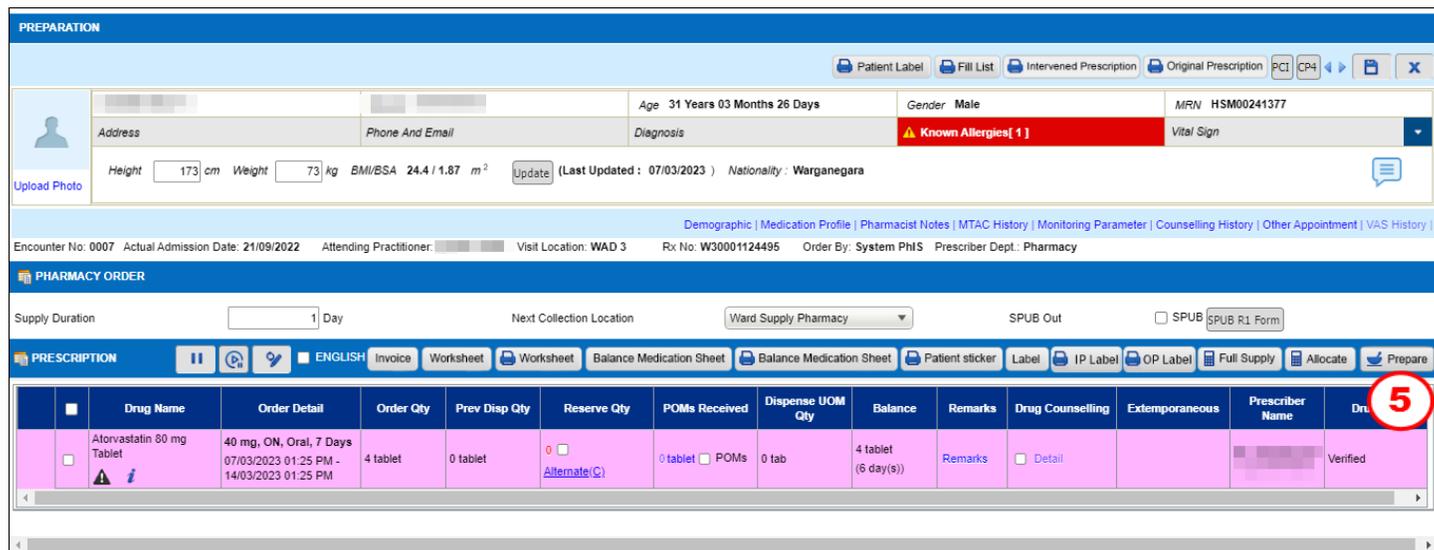
Note

On this listing page, various Search criteria as below:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
c	Patient Name	Patient Name	Allow to search by entering fully or partially search criteria of patient's name
d	Order Type	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB, Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order Referred Patient – Prescription from referred patient
e	MRN	Patient MRN	Allow to search by entering fully or partially search criteria of MRN No
f	IC /Other Identification No	Patients Identification Number	Allow to search by patients identification number
g	Order Status	-All -New Order -Partial Supply -Pending Authorization	All – Type of search from range New order, Partial Supply and Pending Authorization New Order – Prescription of new order Partial Supply – Prescription from partially dispense Pending Authorization – Prescription contain of drug to authorize

Advance Search			
g	Order Location	Order location. (It will list down all active location)	
h	Order Location Type	- All - Clinic - Day Care - ER - Nursing Unit - Pharmacy	
i	Order Date From		Start point for range of order date
j	Order Date To		Order Date To can be NULL or must be greater than the value for Order Date From
k	Bed		Search patient by bed number
l	Recorded By		Search patient by Recorded by name
m	SPUB Out	- All - Yes No	Search by SPUB Status
n	Next Supply From		Start point for range of date
o	Next Supply To		Can be left NULL or must be greater than the value for Next Supply From
p	SPUB Out	- All - Yes No	

Table 3.5.1-1



The screenshot displays the 'PREPARATION' screen in the PHIS system. At the top, there are navigation buttons for Patient Label, Fill List, Intervened Prescription, Original Prescription, PCI, CP4, and a search icon. Below this is a patient banner with fields for Address, Phone And Email, Diagnosis, Gender (Male), MRN (HSM00241377), Height (173 cm), Weight (73 kg), BMI/BSA (24.4 / 1.87 m²), and Nationality (Warganegara). A red warning box indicates 'Known Allergies [1]'. The patient's age is 31 Years 03 Months 26 Days.

Below the banner, there are tabs for PHARMACY ORDER and PRESCRIPTION. The PHARMACY ORDER section shows 'Supply Duration' set to 1 Day, 'Next Collection Location' as Ward Supply Pharmacy, and 'SPUB Out' checked. The PRESCRIPTION section shows a 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, and Dr. A red circle with the number '5' is placed over the 'Dr.' column header.

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Dr.
Atorvastatin 80 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 01:25 PM - 14/03/2023 01:25 PM	4 tablet	0 tablet	0	0 tablet POMs	0 tab	4 tablet (6 day(s))	Remarks	Detail			Verified

Figure 3.5.1-2 Preparation

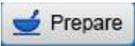
Note

- When selected patient name is clicked, the summary of patient information will be displayed in the patient banner. The patient banner will be displayed at the specific screen which is required patient information. Below is the list of patient information:
 - Patient Name
 - Patient Address



- Patient IC Number
 - Patient Phone and Email
 - Patient Diagnosis
 - Patient Age
 - Patient Allergy
 - Patient Gender
 - Patient MRN
- Below options are provided to view the additional patient information. Click on the hyperlink as below:
 - a) **Monitoring Parameter**
 - Patient's Laboratory Test Result
 - b) **Counselling History**
 - Medication Counselling history records.
 - c) **Demographic**
 - Patient's demographic details
 - d) **Pharmacist Notes**
 - Pharmacy notes such as MTAC, Ward Pharmacy and etc.
 - e) **Medication Profile**
 - This hyperlink will show the patient's current medication and previous medication history.
 - f) **Other Appointments**
 - This screen provides information if there are any other appointments recorded for the patient
 - g) **Vas History**
 - This screen provides information on patients previous dispensing Mode of Services
 - Current visit information will be displayed as below:
 - a) Admission Date
 - b) Attending practitioner
 - c) Visit location
 - d) Room No / Bed No
 - e) Rx No
 - f) Order By
 - Prescription from order management will be displayed as below:
 - a) Drug Name
 - b) Order Detail
 - c) Order Qty - Quantity of drug ordered by the prescriber
 - d) Prev Disp Qty
 - e) Reserve Qty
 - f) POM Received
 - g) Dispense UOM Qty
 - h) Balance
 - i) Remarks
 - j) Drug Counseling
 - k) Extemporaneous
 - l) Prescriber Name
 - m) Status
 - n) Drug Info
 - o) Drug Interaction Alert

STEP 5

Click on the  button to proceed prepare process

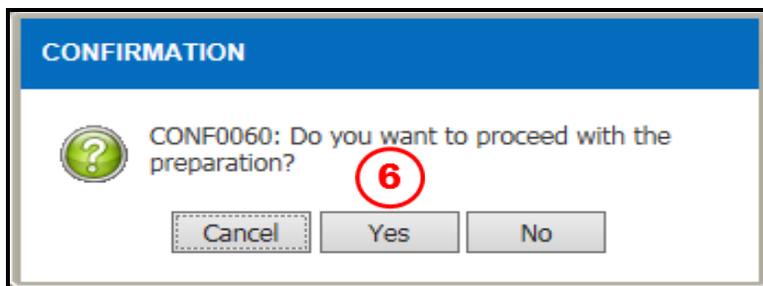


Figure 3.5.1-3 Confirmation Alert Message

STEP 6

Click on the  button to confirm preparation

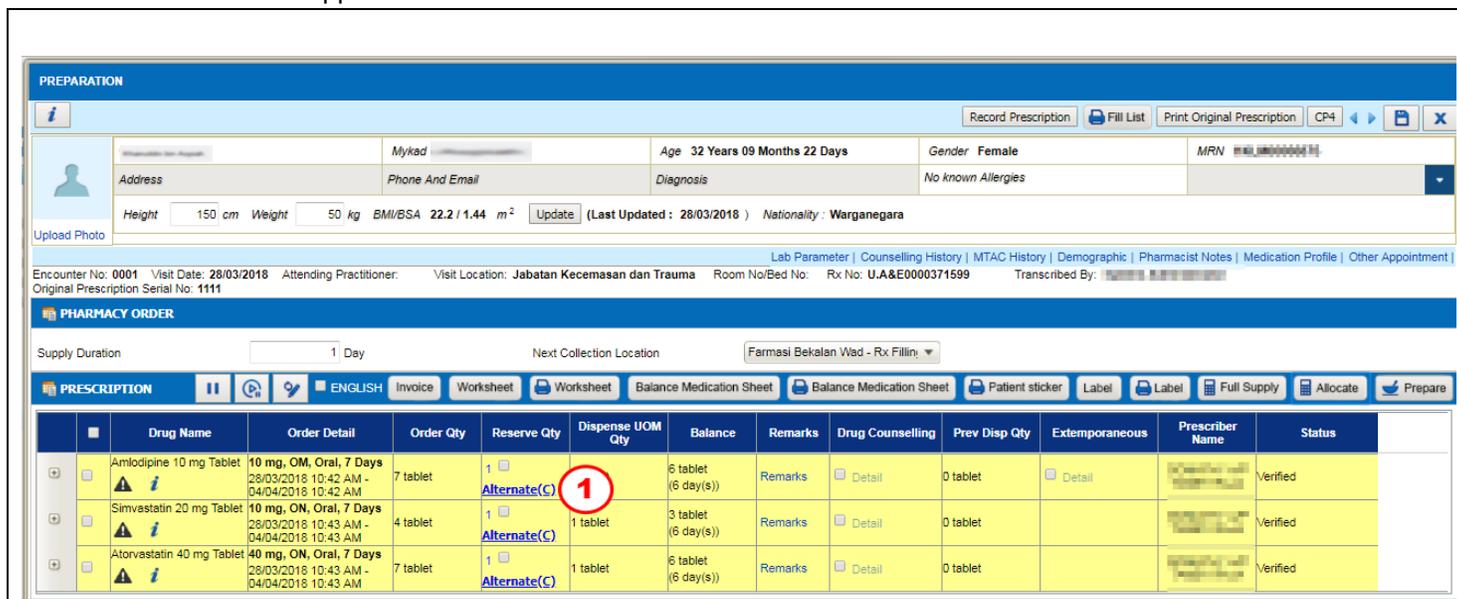
Note

These are the options to select and print reports as per Figure 3.5.1-2:

- a) *Balance Medication Sheet – English*
- b) *Balance Medication Sheet – Malay*
- c) *Worksheet*
- d) *Dispense Labels*

3.5.2 Allocate Quantity

This function is used to allocate quantity manually or change the quantity calculated by application



PREPARATION

Record Prescription | Fill List | Print Original Prescription | CP4

Mykad: [Redacted] Age: 32 Years 09 Months 22 Days Gender: Female MRN: [Redacted]

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

Height: 150 cm Weight: 50 kg BMI/BSA: 22.2 / 1.44 m² Update (Last Updated: 28/03/2018) Nationality: Warganegara

Encounter No: 0001 Visit Date: 28/03/2018 Attending Practitioner: [Redacted] Visit Location: Jabatan Kecemasan dan Trauma Room No/Bed No: [Redacted] Rx No: U.A&E0000371599 Transcribed By: [Redacted]

PHARMACY ORDER

Supply Duration: 1 Day Next Collection Location: Farmasi Bekalan Wad - Rx Filling

PRESCRIPTION | ENGLISH | Invoice | Worksheet | Balance Medication Sheet | Patient sticker | Label | Full Supply | Allocate | Prepare

	Drug Name	Order Detail	Order Qty	Reserve Qty	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Status
<input type="checkbox"/>	Amlodipine 10 mg Tablet	10 mg, ON, Oral, 7 Days 28/03/2018 10:42 AM - 04/04/2018 10:42 AM	7 tablet	1 <input type="checkbox"/> Alternate(C) 1	1 tablet	6 tablet (6 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	0 tablet	<input type="checkbox"/> Detail	[Redacted]	Verified
<input type="checkbox"/>	Simvastatin 20 mg Tablet	10 mg, ON, Oral, 7 Days 28/03/2018 10:43 AM - 04/04/2018 10:43 AM	4 tablet	1 <input type="checkbox"/> Alternate(C)	1 tablet	3 tablet (6 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	0 tablet		[Redacted]	Verified
<input type="checkbox"/>	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 28/03/2018 10:43 AM - 04/04/2018 10:43 AM	7 tablet	1 <input type="checkbox"/> Alternate(C)	1 tablet	6 tablet (6 day(s))	Remarks <input type="checkbox"/> Detail	<input type="checkbox"/> Detail	0 tablet		[Redacted]	Verified

Figure 3.5.2-1 Preparation

Note

Repeat **Step 1 – Step 4** as in prepare as per Figure 3.5.1-1 before performs Allocate Quantity steps.

STEP 1

Click on **Reserve Qty** hyperlink to allocate quantity

Note

User is allowed to allocate 0 quantity in Reserve Qty field by clicking the checkbox.

ITEM BATCH DETAILS

📄
🔄
✕

Drug Code	C10AA05000T1001XX	Default SKU	tablet
Drug Name	Atorvastatin 40 mg Tablet	Dispense UOM	tab
Order Detail	40 mg, ON (every night), 7 Days, 07/03/2023 - 14/03/2023	Supply Duration	1 days Date From 07/03/2023 to 08/03/2023

BATCH DETAIL

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

Batch No	Expiry Date	Available Qty	UOM Qty	Allocated Qty
32424F	10/06/2024	9998	1 tab	1
Total Available Qty		9998	Total Allocated Qty	

Figure 3.5.2-2 Item Batch Details

STEP 2

Enter the **UOM Qty** field

Note

- User is allowed to choose and Allocate Qty from Batch Detail.
- **Dispense UOM** Dispense UOM tab will be automatically generated from the drug master.
- **Item Batch Details** will be displayed:
 - a) **Drug Code** - The value will be defaulted to the drug code selected from the prescription list, auto display.
 - b) **Drug Name** - The value will be defaulted to the drug name selected from the prescription list, auto display.
 - c) **Order Detail** - The value will be defaulted to the duration selected from the prescription list. Will include duration, date and time for medication, auto display.
 - d) **Default SKU** - The value will be defaulted to the SKU selected from the prescription list, auto display.
 - e) **Supply Duration** - The value will be defaulted to the duration selected from the prescription list, auto display.
 - f) **Date** - The value will be defaulted to the supply duration selected from the prescription list, auto display.
- **Batch Detail** - 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.
 - a) **Batch No** – Available batch no
 - b) **Expiry Date** – Batch expiry date
 - c) **Available Qty** – Quantity available for the selected batch
 - d) **UOM Qty** – Quantity available by UOM
 - e) **Allocate Qty** – Reserved quantity from the selected batch. Allocated quantity cannot be more than the available quantity and order quantity.
 - f) **Total Available Qty** - will show the quantity of the drug available for the selected dispensing location only, auto display.
 - g) **Total Allocated Qty** - will show total of allocated quantity for the selected drug, it will auto calculate the total quantity when user allocates the quantity for the selected batch no, auto display.

ITEM BATCH DETAILS





Drug Code C10AA05000T1001XX	Default SKU tablet
Drug Name Atorvastatin 40 mg Tablet	Dispense UOM tab
Order Detail 40 mg, ON (every night), 7 Days, 07/03/2023 - 14/03/2023	Supply Duration 1 days Date From 07/03/2023 to 08/03/2023

3

BATCH DETAIL

[1 - 1 / 1]

Batch No	Expiry Date	Available Qty	UOM Qty	Allocated Qty
32424F	10/06/2024	9998	1 tab	1
Total Available Qty		9998	Total Allocated Qty	
			1	

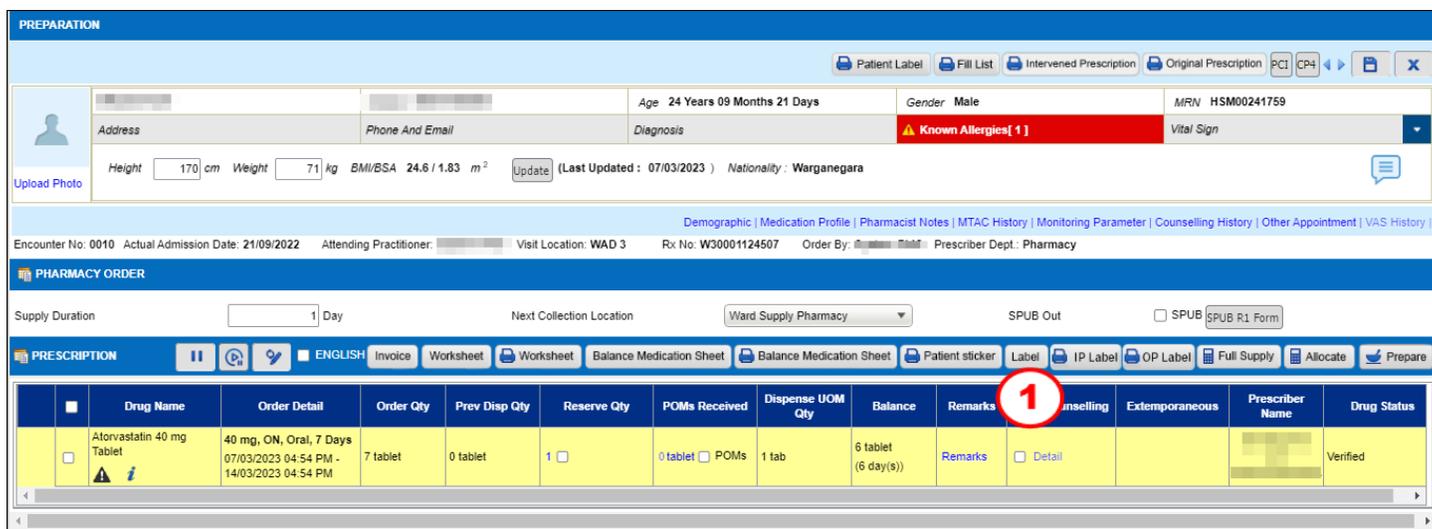
Figure 3.5.2-3 Item Batch Details

STEP 3

Click on the  button to save record and screen will automatically closed

3.5.3 Drug Label

This function is used to edit and print drug label.



The screenshot displays the 'PREPARATION' screen with a patient profile and a list of prescriptions. The 'Label' button in the 'PRESCRIPTION' toolbar is highlighted with a red circle and the number '1'.

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	1	Temporaneous	Prescriber Name	Drug Status
Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM	7 tablet	0 tablet	1 <input type="checkbox"/>	0 tablet <input type="checkbox"/> POMs	1 tab	6 tablet (6 day(s))	Remarks	<input type="checkbox"/> Detail			Verified

Figure 3.5.3-1 Preparation – Drug Label

Note

- Repeat **Step 1 to Step 4** as in prepare as per Figure 3.5.2-1 before performs Drug Label steps. There are to option to print label
 -  Preview then print
 -  Print Inpatient format label without preview (Direct printing)
 -  Print Outpatient format label without preview (Direct printing)
- Pre-Requisite to print label is **Reserve Quantity** field must have value >0 (Drug Allocated)

STEP 1

Click on the  button to print drug label

Note

- User able to Select All drug label, or click on the check box to select drug label to print.
- Click on Print in Local Language check box to print label in Malay.
- Enter No of Label to Print.
- Able to edit Administration Instruction, Indication, Cautionary, Special Instruction, Expiry Date and Price

STEP 2

Click on the  button to preview **Drug Label**

DRUG LABEL

Preview 
  

2

Print In IP Format Print In OP Format

<input checked="" type="checkbox"/>	<p>Drug Name: Atorvastatin 40 mg Tablet</p> <p>Dose: 40 mg/1 tablet</p> <p>Dosage Form: Oral Tablet</p> <p>Frequency: At night</p> <p>Duration: 1 Days</p> <p>Administration Instruction: <input type="text" value="May be taken BEFORE OR AFTER food"/></p> <p>Indication: <input type="text" value="High cholesterol level"/></p> <p>Cautionary: <input type="text"/></p> <p>Special Instruction: <input type="text"/></p> <p>Expire Date: <input type="text" value="10/06/2024"/></p> <p>Batch No.: <input type="text" value="32424F"/></p> <p>Supply Start Date: <input type="text" value="07/03/2023"/></p> <p>Supply End Date: <input type="text" value="08/03/2023"/></p>	<p>Print In Local Language: <input checked="" type="checkbox"/></p> <p>40 mg/1 biji</p> <p>Setiap malam</p> <p>1 Hari</p> <p><input type="text" value="Boleh diambil SEBELUM ATAU SELEPAS makan"/></p> <p><input type="text" value="Tahap kolesterol tinggi"/></p> <p><input type="text"/></p> <p><input type="text"/></p> <p>Price: <input type="text" value="1.00"/></p> <p>No of Label To Print: <input type="text" value="1"/></p>
-------------------------------------	--	--

Figure 3.5.3-2 Preparation – Drug Label

Note

- User able to Select All drug label, or click on the check box to select drug label to print.
- Click on Print in Local Language check box to print label in Malay.
- Enter No of Label to Print.
- Able to edit Administration Instruction, Indication, Cautionary, Special Instruction, Expiry Date and Price

HOSPITAL						
[Redacted]						
00241759(2562)			WAD 3			
Atorvastatin 40mg Tab						
Ambil 40 mg/1 biji Setiap malam						
-						
Boleh diambil SEBELUM ATAU SELEPAS makan.						
07/03	08/03	09/03	10/03	11/03	12/03	13/03
07/03/23 [1 hari]		1 biji		RM1.00		
UBAT TERKAWAL System PhIS				07/03/2023 04:59 PM		

Figure 3.5.3-3 Preview IP Drug Label

- Drug dosage has been modified to 1 decimal point

STEP 3

Click on the  button to print **Drug Label**



3

HOSPITAL (Tel: 056896600)		
00241759(2562)	WAD 3	
Atorvastatin 40mg Tab		
Ambil 40 mg/1 biji Setiap malam		
-		
Boleh diambil SEBELUM ATAU SELEPAS makan		
Tahap kolesterol tinggi		
07/03/23-08/03/23 [1 hari]	1 biji	RM1.00
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK		
07/03/2023 05:01 PM		

Figure 3.5.3-4 Preview OP Drug Label

Note

- *Enhancement on drug label*
 - *To put 'dose' and 'frequency' in one line.*
 - *'Route' to move in 2nd line.*
 - *Line to reduce (make it more thin/grey color)*
 - *Apply both to IP and OP Label - remove the split boxes in dose and frequency and increase font for dose and frequency.*
 - *Remain background color as white for all information for all labels.*
 - *Combine Special Instruction and Cautionary into 1 column*
 - *Newborn medication will appear in 2decimal point*

HOSPITAL						
[REDACTED]						
00241759(2562)			WAD 3		[REDACTED]	
Atorvastatin 40mg Tab						
Ambil 40 mg/1 biji Setiap malam						
-						
Boleh diambil SEBELUM ATAU SELEPAS makan.						
07/03	08/03	09/03	10/03	11/03	12/03	13/03
07/03/23 [1 hari]			1 biji		RM1.00	
UBAT TERKAWAL System PhIS					07/03/2023 04:59 PM	

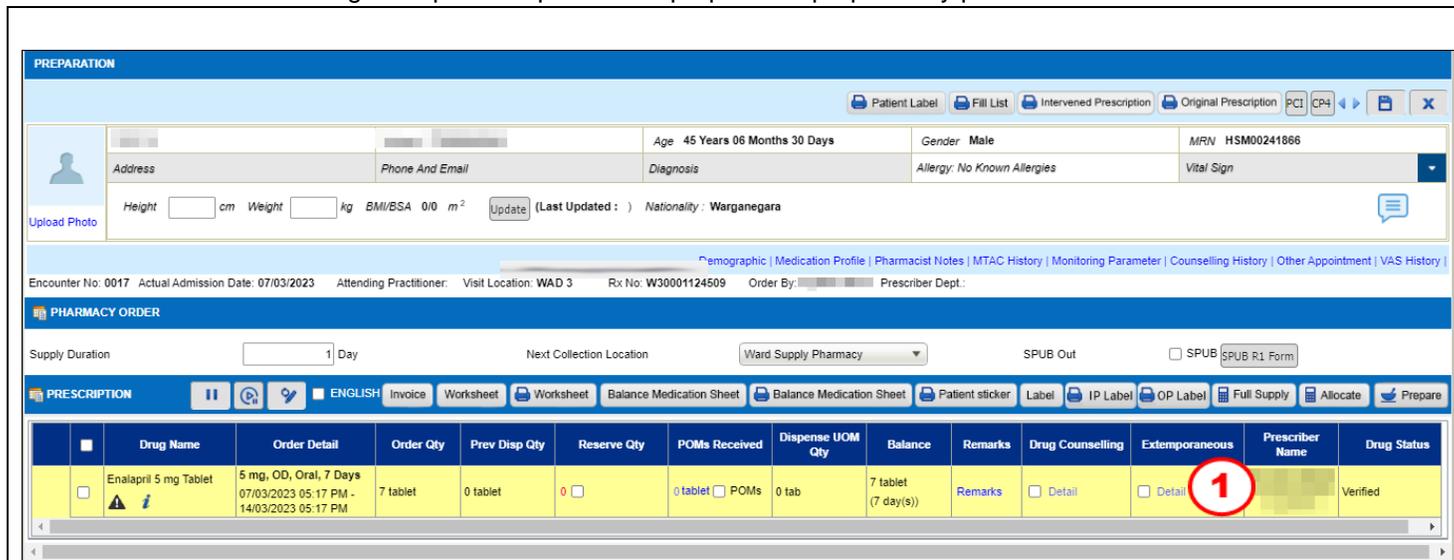
Figure 3.5.3-5 Preview IP Drug Label

HOSPITAL		(Tel: 056896600)
[REDACTED]		
00241759(2562)		WAD 3
Atorvastatin 40mg Tab		
Ambil 40 mg/1 biji Setiap malam		
-		
Boleh diambil SEBELUM ATAU SELEPAS makan		
Tahap kolesterol tinggi		
07/03/23-08/03/23 [1 hari]		1 biji RM1.00
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK		07/03/2023 05:01 PM

Figure 3.5.3-6 Preview OP Drug Label

3.5.4 Extemporaneous – By Patient

This function is used to generate and print the Ingredient label prepared for patient, based on drugs setup. Extemporaneous preparation prepared by patient at home.



The screenshot displays the 'PRESCRIPTION' section of the software interface. At the top, there are navigation buttons for 'Patient Label', 'Fill List', 'Intervened Prescription', and 'Original Prescription'. Below this is a patient information form with fields for Address, Phone And Email, Age (45 Years 06 Months 30 Days), Gender (Male), MRN (HSM00241866), Diagnosis, Allergy (No Known Allergies), Vital Sign, Height, Weight, BMI/BSA, and Nationality (Warganegara). A 'PHARMACY ORDER' section includes 'Supply Duration' (1 Day), 'Next Collection Location' (Ward Supply Pharmacy), and 'SPUB Out' options. The 'PRESCRIPTION' table below has the following data:

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneous	Prescriber Name	Drug Status
Enalapril 5 mg Tablet	5 mg, OD, Oral, 7 Days 07/03/2023 05:17 PM - 14/03/2023 05:17 PM	7 tablet	0 tablet	0	0 tablet	0 tab	7 tablet (7 day(s))	Remarks	Detail	<input checked="" type="checkbox"/>		Verified

Figure 3.5.4-1 Preparation – Extemporaneous

Note

Repeat **Step 1 to Step 2** as in prepare as per Figure 3.5.1-1 before performs Extemporaneous by Patient steps.

STEP 1

Click on the **Extemporaneous** checkbox and system will display extemporaneous screen as Figure 3.5.4-1

EXTEMPORANEOUS


2
Print Ingredient Label   

Preparation Done By Pharmacist Patient 5

Preparation Name 3 Acetylsalicylic acid 30mg/ml Oral Liquid(A) * 4

Concentration mg /ml

Dosage ml

Item	Item Name	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Acetylsalicylic Acid 300 mg Soluble Tablet	1	tablet	T1711008	30/11/2019
Vehicle	Water	<input type="text" value="10"/>	<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) 1. Ambil 1 biji Acetylsalicylic Acid 300 mg Soluble Tablet.
2. Hancurkan Acetylsalicylic Acid 300 mg Soluble Tablet.
3. Tambah 10 ml Water.

Preparation Remarks

Figure 3.5.4-2 Preparation – Extemporaneous

STEP 2

Click on 'Patient' radio button

STEP 3

Select **Preparation Name** from the drop down box

Note

- Concentration, dosage, Quantity, Storage Condition, Vehicle Expiry Date, Formulation Remarks and Procedures/Preparation by Patient and Reference will be retrieve from Master Setup.
- Allow to select Storage Condition and Procedures in Local Language.
- Allow to change **Vehicle** UOM if applicable.
- Allow to change **Expiry** duration.
- **Procedures/Preparation** by Pharmacist is editable.

STEP 4

Click on the  button to save record

STEP 5

Click on the button to print ingredient label

STEP 6

Click on the  button to print the label



Amlodipine 10 mg Tablet	
1 tablet	
Batch No: BG09605	Exp Date: 31/08/2019
HOVASC	
Ubat Terkawal	

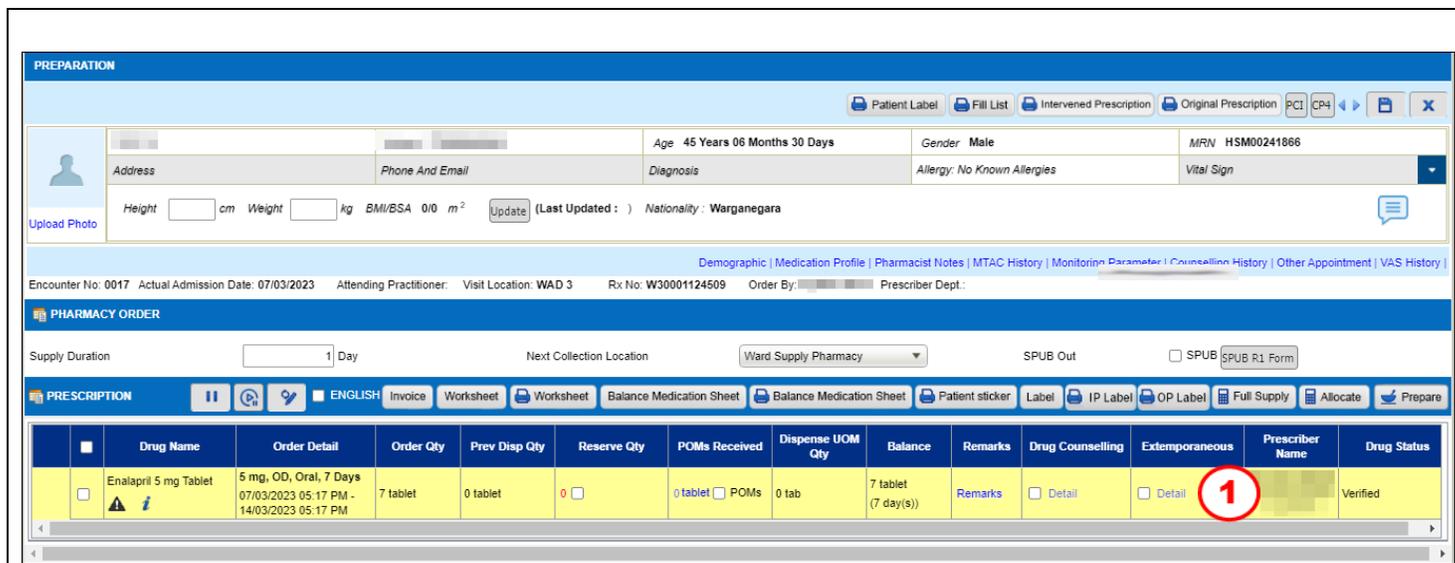
Figure 3.5.4-3 Sample Of Extemporaneous Ingredient Label

Note

Refer Figure 3.5.4-3 for the Ingredient Label Prepared by Patient sample.

3.5.5 Extemporaneous – By Pharmacist

This function is used to generate and print the Ingredient label prepared for patient, based on drugs setup. Extemporaneous preparation prepared by patient at home.



PREPARATION

Patient Label | Fill List | Intervened Prescription | Original Prescription | PCI | CP4

Address: [Redacted] | Phone And Email: [Redacted] | Age: 45 Years 06 Months 30 Days | Gender: Male | MRN: HSM00241866

Diagnosis: [Redacted] | Allergy: No Known Allergies | Vital Sign: [Redacted]

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

Encounter No: 0017 | Actual Admission Date: 07/03/2023 | Attending Practitioner: [Redacted] | Visit Location: WAD 3 | Rx No: W30001124509 | Order By: [Redacted] | Prescriber Dept: [Redacted]

PHARMACY ORDER

Supply Duration: 1 Day | Next Collection Location: Ward Supply Pharmacy | SPUB Out: 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	Drug Status
<input type="checkbox"/>	Enalapril 5 mg Tablet	5 mg, OD, Oral, 7 Days 07/03/2023 05:17 PM - 14/03/2023 05:17 PM	7 tablet	0 tablet	0 <input type="checkbox"/>	0 tablet <input type="checkbox"/> POMs	0 tab	7 tablet (7 day(s))	Remarks	<input type="checkbox"/> Detail	<input checked="" type="checkbox"/> Detail 1	[Redacted]	Verified

Figure 3.5.5-1 Preparation – Extemporaneous

Note

Repeat Step 1 to Step 2 as in prepare as per Figure 3.5.1-1 before performs Extemporaneous by Patient steps.

STEP 1

Click on the *Extemporaneous* checkbox and system will be displayed extemporaneous screen as Figure 3.5.5-1

STEP 2

Click on 'Pharmacist' radio button

EXTEMPORANEOUS

i
Generate Worksheet   

Preparation Done By 2 Pharmacist Patient

Preparation Name 3 Acetylsalicylic acid 30mg/ml Oral Liquid(A) *

Worksheet ID 5 4 7

Concentration 30 mg /ml

Dosage 2.5 ml

Item	Item Name	Quantity	UOM	Batch No	Expiry Date
Active Ingredient	Acetylsalicylic Acid 300 mg Soluble Tablet	1	tablet	T1711008	30/11/2019
Vehicle	Water	10	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 3.5.5-2 Preparation – Extemporaneous

STEP 3

Select *Preparation Name* from drop down box

Note

- Concentration, dosage, Quantity, Storage Condition, Vehicle, Expiry Date, Formulation Remarks and Procedures/Preparation by Patient and Reference will be retrieve from Master Setup.
- Allow to select Storage Condition and Procedures in Local Language.
- Allow to change Vehicle UOM if applicable.
- Allow to change Expiry duration.

STEP 4

Click on the  button to save record

STEP 5

Click on the  button to print Ingredient Worksheet

Note

- Refer Figure 3.5.5-3 for the Extemporaneous Worksheet by Pharmacist sample.
- Able to print Worksheet for prepare drug for patient.

STEP 6



Click on the  button to print the worksheet

STEP 7



Click on the  button and close record

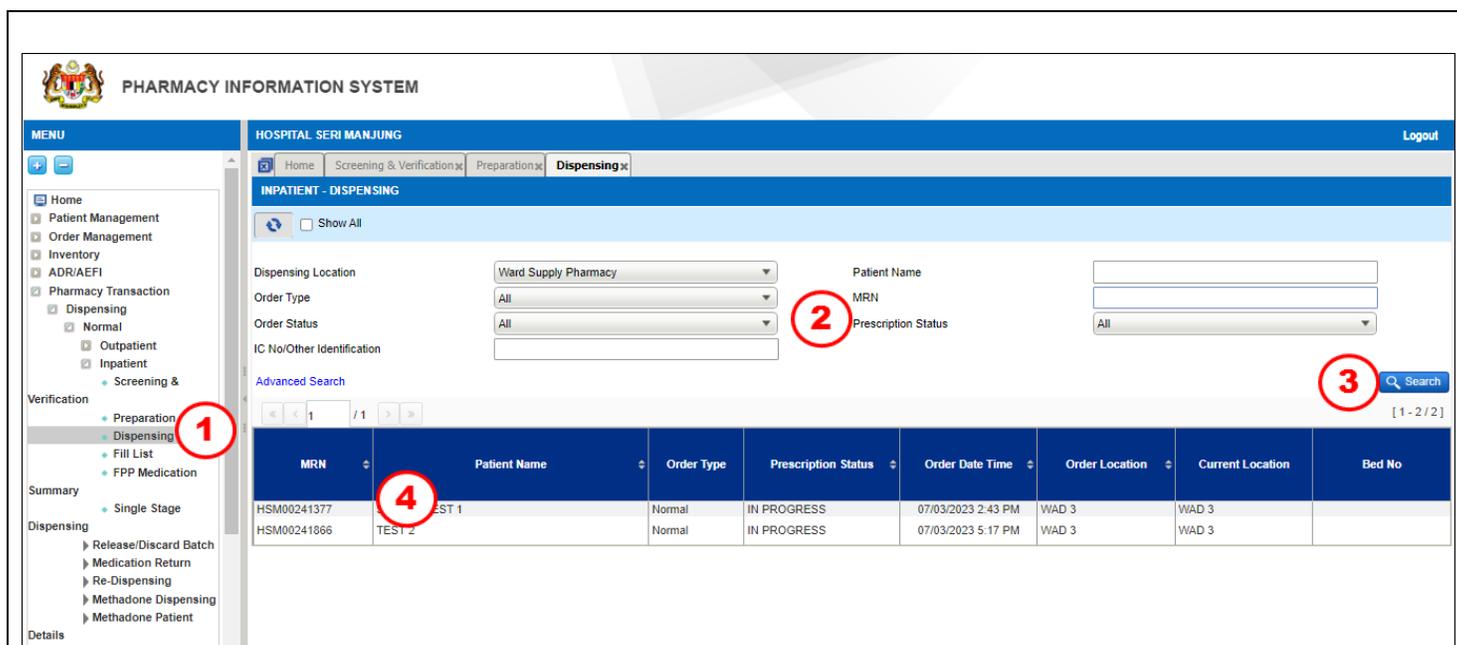


EXTEMPORANEOUS WORKSHEET (PARTIAL)									
MINISTRY OF HEALTH									
Hospital Name:									
Date of preparation : 28/03/2018					Worksheet Id: 18-03-0111				
MRN		850606085046			Name				
ID No		850606085046			Rx. No.		U.A&E0000371599		
Order Location		Jabatan Kecemasan dan Trauma			Ordered By				
Order Date		28/03/2018							
No	ROA	Preparation Name	Dose	Total Dose	Material Used				Storage
					Item Name	Volume/Qty Required	Batch No	Expiry Date	
1.	Oral	Amlodipine 1mg/1ml Oral Liquid(Syrup) Expiry Date : 11/04/2018	10mg (10ML)	10mg (10 ml)	Amlodipine 10 mg Tablet	1 tablet	BG09605	31/08/2019	Refrigerate
					Syrup BP	10 ml			
Remarks:					Instruction:				
					<ol style="list-style-type: none"> 1. Crush tablets in a mortar to a fine powder. 2. Levigate the powder with distilled water until a smooth paste is formed. 3. Add more distilled water to the paste until a liquid is formed and transfer the liquid into the container. 4. Use additional vehicle to rinse the remaining drug from the mortar and pour into the container. 5. Make up to final volume with vehicle. 6. Shake well and label. 				
Reference:									
Worksheet generated by		Worksheet & label checked by			Prepared by		Final Product Checked by		
Date: 28/03/2018		Date:			Date:		Date: 28/03/2018		

Figure 3.5.5-3 Preparation – Extemporaneous

3.6 Dispensing

This function allow user to record dispensing, to hold, resume and edit label.



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG Logout

Home | Screening & Verification | Preparation | **Dispensing**

INPATIENT - DISPENSING

Show All

Dispensing Location: Ward Supply Pharmacy | Patient Name:

Order Type: All | MRN:

Order Status: All | Prescription Status: All

IC No/Other Identification:

Advanced Search Search [1 - 2/2]

MRN	Patient Name	Order Type	Prescription Status	Order Date Time	Order Location	Current Location	Bed No
HSM00241377	TEST 1	Normal	IN PROGRESS	07/03/2023 2:43 PM	WAD 3	WAD 3	
HSM00241866	TEST 2	Normal	IN PROGRESS	07/03/2023 5:17 PM	WAD 3	WAD 3	

Figure 3.6-1 Dispensing Landing Screen Note

Note

Various search criteria for Patient is provided as below:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
c	Patient Name	Patient Name	Allow to search by entering fully or partially search criteria of patient's name
d	Order Type	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB, Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order Referred Patient – Prescription from referred patient
e	MRN	Patient MRN	Allow to search by entering fully or partially search criteria of MRN No
f	IC/Other Identification No	Patients Identification number	Allow to search by Patients identification number
g	Order Status	-All -New Order -Partial Supply -Pending Authorisation	All – Type of search from range New order, Partial Supply and Pending Authorisation New Order – Prescription of new order Partial Supply – Prescription from partially dispense



			- Pending Authorisation – Prescription contain of drug to authorize
advance search			
g	Order Location	Order location. (It will list down all active location)	
h	Order Location Type	- All - Clinic - Day Care - ER - Nursing Unit - Pharmacy	
i	Order Date From		Start point for range of order date
j	Order Date To		Order Date To can be NULL or must be greater than the value for Order Date From
k	Bed		Search patient by bed number
l	Recorded by		Search patient by recorded by name
m	SPUB Out	- All - Yes No	Search by SPUB Status
n	Next Supply From		Start point for range of date
o	Next Supply To		Can be left NULL or must be greater than the value for Next Supply From

Table 3.6-1

STEP 1

Click on 'Dispensing' sub menu

STEP 2

Search existing patient record as follow:

a) Dispensing Location

b) Order Location Type

c) Mode of Services

- All
- Appointment Card
- Email and Take
- Fax and Take
- Normal Collection
- Others
- SMS and Take
- Telephone and Take
- UMP
- Leave and collect
- Home Visit
- Comm. Apps in Smart Phone
- Locker4U
- Walk-In/Without Appointment

d) Patient Name

- e) **MRN**
- f) **Order Status**
 - All
 - New Order
 - Partial Supply
- g) **Order Location**
- h) **IC No/Other Identification**
- i) **Order Type**
 - All
 - Normal
 - SPUB
 - Discharge
- j) **Acknowledged without patient arrival**
- k) **Next Dispense At**
 - Drive Through Counter
 - Pharmacy Counter
 - Bedside
 - Locker for You
 - PPUSS

STEP 3

Click on the button to search the patient

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, Medication Counselling, Intervened Prescription, Original Prescription, and CP4. Below this is a patient information header with fields for Address, Phone And Email, Age (31 Years 03 Months 26 Days), Gender (Male), MRN (HSM00241377), Diagnosis, and Known Allergies (1). A 'Vital Sign' dropdown is also present. Below the header is a 'PHARMACY ORDER' section with fields for Current Collection Mode (Normal Collection), Planned Collection Mode, Remarks, Witness By, SPUB Out, and Drug Counselling Required. There are also fields for Clinic TCA, Next Collection Date, Next Collection Location, and Next Dispense At (Pharmacy Counter). Below the pharmacy order is a 'PRESCRIPTION' section with a toolbar containing buttons for Invoice, Release/Discard, Worksheet, Balance Medication Sheet, Patient sticker, Label, IP Label, OP Label, and Dispense. The main part of the screenshot is a table with the following columns: Drug Name, Order Detail, Order Qty, Prev Disp Qty, Reserve Qty, POMs Received, Dispense UOM Qty, Balance, Remarks, Drug Counselling, Extemporaneo, Prescriber Name, and Drug S. The table contains two rows of medication orders. The first row is for Atorvastatin 80 mg Tablet, with an order detail of 40 mg, ON, Oral, 7 Days, 07/03/2023 01:25 PM - 14/03/2023 01:25 PM, 4 tablet, 0 tablet, 0, 0 tablet POMs, 0 tab, 4 tablet (6 day(s)), and Remarks. The second row is for Atorvastatin 40 mg Tablet, with 1 tablet. A red circle with the number '5' is overlaid on the 'Drug S' column of the first row.

Drug Name	Order Detail	Order Qty	Prev Disp Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Extemporaneo	Prescriber Name	Drug S
Atorvastatin 80 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 01:25 PM - 14/03/2023 01:25 PM	4 tablet	0 tablet	0	0 tablet POMs	0 tab	4 tablet (6 day(s))	Remarks	Detail			Prepared
Atorvastatin 40 mg Tablet				1 tablet								

Figure 3.6-2 Dispensing

STEP 5

Click on the button

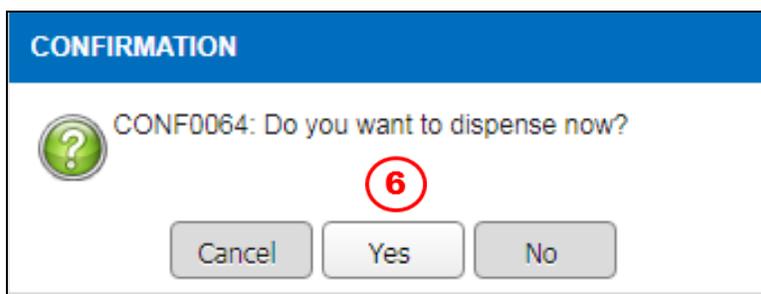
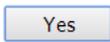


Figure 3.6-3 Confirmation Alert Message

STEP 6

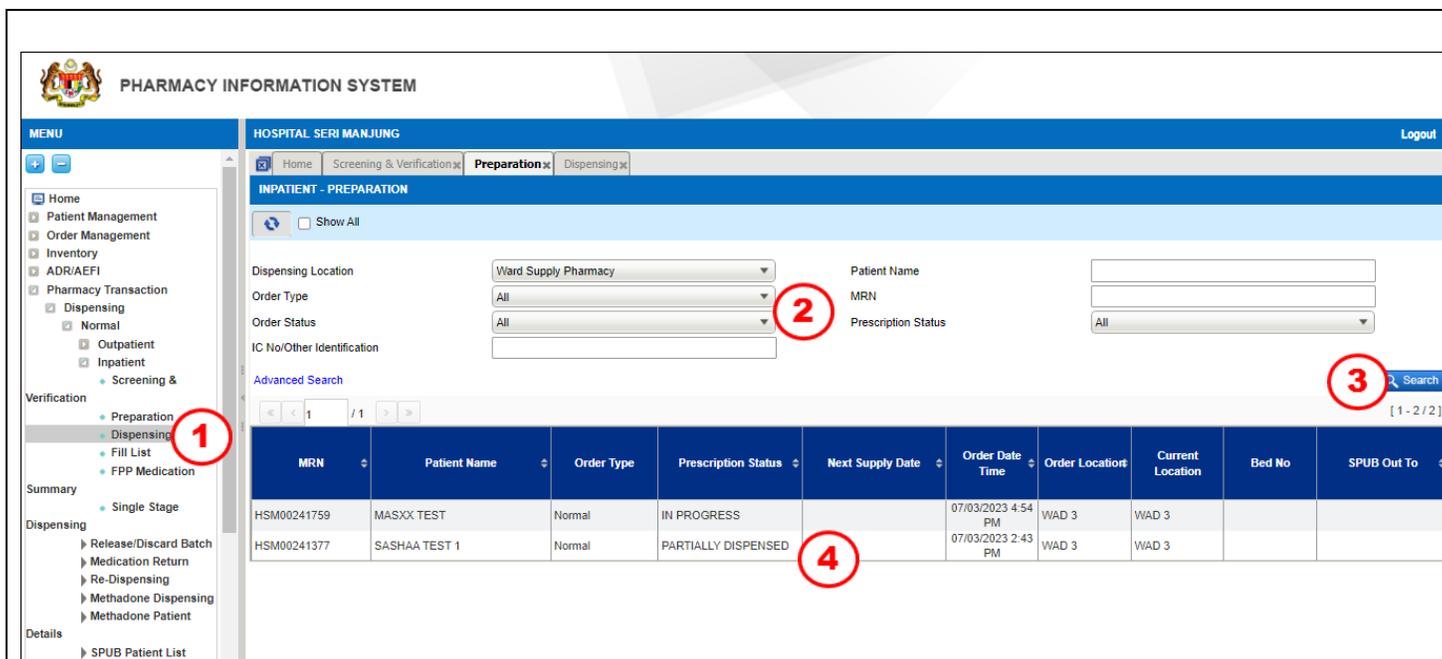
Click on the  button to confirm dispensing proceed and dispensing screen will automatically closed

Note

- To close/complete medication, select the  checkbox then click on the  button. The selected drug will be treat as fully supply.
-  button added at Dispensing screen and Single Stage screen as per Figure 3.6-2. Once click on the button, Medication Counselling Order screen will appear.

3.7 Partial Supply Normal Dispensing

This function is used for inpatient pharmacy to prepare and dispense the balance medication. Unlike Outpatient, Inpatient Partial Supply Dispensing starts directly from Preparation Screen.



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Home | Screening & Verification | **Preparation** | Dispensing | Logout

INPATIENT - PREPARATION

Show All

Dispensing Location: Ward Supply Pharmacy

Order Type: All

Order Status: All

IC No/Other Identification:

Patient Name:

MRN:

Prescription Status: All

Advanced Search [Search]

MRN	Patient Name	Order Type	Prescription Status	Next Supply Date	Order Date Time	Order Location	Current Location	Bed No	SPUB Out To
HSM00241759	MAS'XX TEST	Normal	IN PROGRESS		07/03/2023 4:54 PM	WAD 3	WAD 3		
HSM00241377	SASHAA TEST 1	Normal	PARTIALLY DISPENSED		07/03/2023 2:43 PM	WAD 3	WAD 3		

Figure 3.7-1 Preparation Listing Page

STEP 1

Click on 'Preparation' sub menu

STEP 2

Search existing patient record as follow:

- **Dispensing Location**
- **Order Type**
 - All
 - Normal
 - SPUB
 - Discharge
- **Patient Name**
- **MRN**
- **IC /Other Identification No**
- **Order Status**
 - All
 - New Order
 - Partial Supply

Note

Advanced Search can be used to narrow down the criteria. It is consist of :

- a) Order Location
- b) Order Location Type

- c) Order Date From
- d) Order Date To
- e) Next Supply From
- f) Next Supply To
- g) Bed No
- h) Next Dispense At

STEP 3

Click on the  button to search the patient

STEP 4

Double click on the selected patient's name

Note

On this listing page, various Search criteria as below:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
c	Patient Name	Patient Name	Allow to search by entering fully or partially search criteria of patient's name
d	Order Type	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB, Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order Referred Patient – Prescription from referred patient
e	MRN	Patient MRN	Allow to search by entering fully or partially search criteria of MRN No
f	IC /Other Identification Nuo	Patients Identification Number	Allow to search by patients identification number
g	Order Status	-All -New Order -Partial Supply -Pending Authorization	All – Type of search from range New order, Partial Supply and Pending Authorization New Order – Prescription of new order Partial Supply – Prescription from partially dispense Pending Authorization – Prescription contain of drug to authorize
advance search			
g	Order Location	Order location. (It will list down all active location)	
h	Order Location	-All	

	Type	-Clinic -Day Care -ER -Nursing Unit -Pharmacy	
i	Order Date From		Start point for range of order date
j	Order Date To		Order Date To can be NULL or must be greater than the value for Order Date From
k	Bed no		Search patient by bed number
l	Recorded by		Search patient by recorded by name
m	SPUB Out	-All -Yes No	Search by SPUB Status
n	Next Supply From		Start point for range of date
o	Next Supply To		Can be left NULL or must be greater than the value for Next Supply From

Table 3.7-1

The screenshot displays the 'PREPARATION' screen. At the top, there are navigation buttons: Patient Label, Fill List, Intervened Prescription, Original Prescription, PCI, and CP4. Below this is a patient information section with fields for Address, Phone And Email, Diagnosis, Age (31 Years 03 Months 26 Days), Gender (Male), MRN (HSM00241377), Height (173 cm), Weight (73 kg), BMI/BSA (24.4 / 1.87 m²), and Nationality (Warganegara). A red banner indicates 'Known Allergies [1]'. Below the patient info is a 'PHARMACY ORDER' section with 'Supply Duration' set to 1 Day and 'Next Collection Location' set to Ward Supply Pharmacy. A toolbar contains buttons for PHARMACY ORDER, PRESCRIPTION, ENGLISH, Invoice, Worksheet, Balance Medication Sheet, Patient sticker, Label, IP Label, OP Label, Full Supply, Allocate, and Prepare. The 'Allocate' button is circled in red and labeled '5'. The 'Label' button is circled in red and labeled '6'. The 'Prepare' button is circled in red and labeled '7'. Below the toolbar is a 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, and Drug Status. The table shows two rows for Atorvastatin 80 mg Tablet and Atorvastatin 40 mg Tablet.

Figure 3.7-2 Preparation Screen

STEP 5

Allocate by clicking the button or allocate manually at the Reserve Quantity hyperlink. Refer step in Allocate Quantity.

STEP 6

Click on the button to reprint drug label. Refer steps in Label

Note

Click at button to directly link to PCI screen

STEP 7

Click on the Prepare button

PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Logout

Home | Screening & Verification | Preparation | **Dispensing**

INPATIENT - DISPENSING

Show All

Dispensing Location: Ward Supply Pharmacy (9)

Order Type: All

Order Status: All

IC No/Other Identification:

Patient Name:

MRN:

Prescription Status: All

Advanced Search (10) Search

1 / 1

MRN	Patient Name	Order Type	Prescription Status	Order Date Time	Order Location	Current Location	Bed No
HSM00241866	TEST 2	Normal	IN PROGRESS	07/03/2023 5:17 PM	WAD 3	WAD 3	
HSM00241377	SASHAA TEST 1	Normal	PARTIALLY DISPENSED (11)	03/2023 2:43 PM	WAD 3	WAD 3	

Figure 3.7-3 Dispensing Screen

Note

Various search criteria for Patient is provided as below:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient name by dispensing location
c	Patient Name	Patient Name	Allow to search by entering fully or partially search criteria of patient's name
d	Order Type	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB, Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order Referred Patient – Prescription from referred patient
e	MRN	Patient MRN	Allow to search by entering fully or partially search criteria of MRN No
f	IC/Other Identification No	Patients identification number	Allow to search by patients identification number
g	Order Status	-All -New Order -Partial Supply -Pending Authorisation	All – Type of search from range New order, Partial Supply and Pending Authorisation New Order – Prescription of new order Partial Supply – Prescription from partially dispense

			- Pending Authorisation – Prescription contain of drug to authorize
Advance Search			
g	Order Location	Order location. (It will list down all active location)	
h	Order Location Type	- All - Clinic - Day Care - ER - Nursing Unit - Pharmacy	
i	Order Date From		Start point for range of order date
j	Order Date To		Order Date To can be NULL or must be greater than the value for Order Date From
k	Bed No		Search patient by bed number
l	Recorded by		Search patient by recorded by name
m	SPUB Out	- All - Yes No	Search by SPUB Status
n	Next Supply From		Start point for range of date
o	Next Supply To		Can be left NULL or must be greater than the value for Next Supply From

Table 3.7-2

STEP 8

Click on 'Dispensing' sub menu

STEP 9

Search existing patient record as follow:

- a) Dispensing Location**
- b) Order Location Type**
- c) Patient Name**
- d) MRN**
- e) Order Status**
 - All
 - New Order
 - Partial Supply
- f) Order Location**
- g) IC No/Other Identification**
- h) Order Type**
 - All
 - Normal
 - SPUB
 - Discharge
- i) Acknowledged without patient arrival**

STEP 10

Click on the  button to search the patient

STEP 11

Click on the selected patient's name and Figure 3.7-4 will display

The screenshot displays the 'DISPENSING' interface. At the top, there are tabs for 'Patient Label', 'Medication Counselling', 'Intervened Prescription', and 'Original Prescription'. Below this is a patient information summary including age (31 Years 03 Months 26 Days), gender (Male), and MRN (HSM00241377). A red banner indicates 'Known Allergies[1]'. The 'PHARMACY ORDER' section includes fields for 'Current Collection Mode' (Normal Collection), 'Planned Collection Mode', 'Remarks', 'Witness By', 'SPUB Out', and 'Drug Counselling Required?'. There are also fields for 'Clinic TCA', 'Next Collection Date', 'Next Collection Location', and 'Next Dispense At'. A toolbar at the bottom contains various document and action icons. A table of prescriptions is visible at the bottom, with columns for Drug Name, Order Detail, Order Qty, Prev Disp Qty, Reserve Qty, POMs Received, Dispense UOM Qty, Balance, Remarks, Drug Counselling, Extemporaneo, Prescriber Name, and Drug Status. A red circle with the number 12 highlights the 'Dispense' button in the toolbar.

Figure 3.7-4 Dispensing Screen

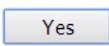
STEP 12

Click on the  button

The screenshot shows a 'CONFIRMATION' dialog box with a blue header. The main text reads 'CONF0064: Do you want to dispense now?'. There is a question mark icon on the left. At the bottom, there are three buttons: 'Cancel', 'Yes', and 'No'. A red circle with the number 13 highlights the 'Yes' button.

Figure 3.7-5 Confirmation Alert Message

STEP 13

Click on the  button to confirm dispensing proceed and dispensing screen will automatically closed

Note

- To close/complete medication, select the **Complete** checkbox then click on the **Dispense** button. The selected drug will be treat as fully supply.
- **Medication Counselling** button added at Dispensing screen and Single Stage screen. Once click on the button, Medication Counselling Order screen will appear.
- A notification icon **Remarks** 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 3.7-6
- There is a new column to view previous dispensed quantity as per Figure 3.7-5
- Once there is a remarks entered in normal supply, the remarks will appear in the next partial supply remarks column as per Figure 3.7-5

PHARMACIST REMARK

Prescriber Remark

Order Stage to dilute and serve to patient

Pharmacist Remark

Verification Stage

Preparation Stage

DRUG REMARKS HISTORY (ACETYLSALICYLIC ACID 300 MG SOLUBLE TABLET)

Prescriber Remark	Prescriber Name	Start Date	End Date	
given for pain management		24/10/2019	29/10/2019	

Pharmacist Remark	Stage	Rx	Date Time
for pain	Dispensing	AE_DEPT0000741085	24/10/2019 03:29:19 PM
to proceed	Preparation	AE_DEPT0000741085	24/10/2019 03:28:13 PM
to proceed with IP order as well	Verification	AE_DEPT0000741085	24/10/2019 03:27:14 PM
supplied to ward for patient	Dispensing	NW18B0000741084	24/10/2019 02:53:53 PM
extemporaneous prepared	Preparation	NW18B0000741084	24/10/2019 02:53:06 PM

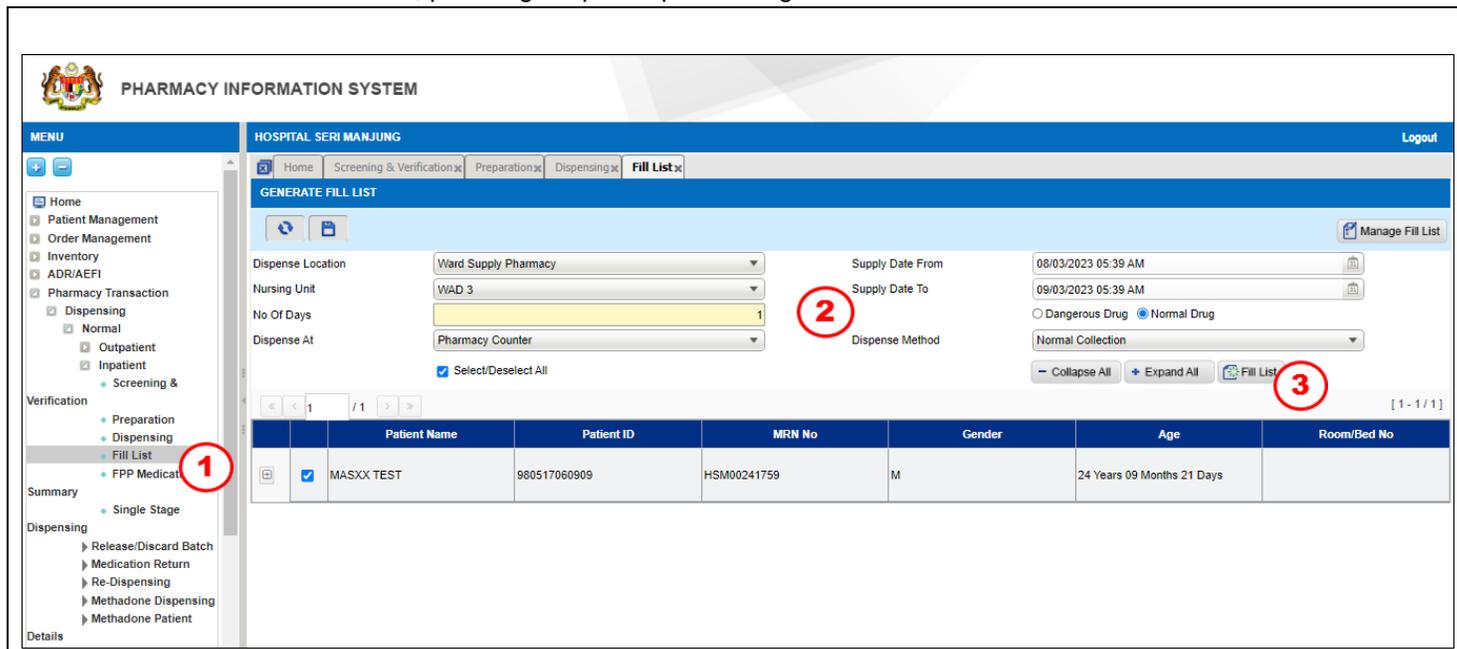
Figure 3.7-6 Pharmacist Remark Screen

3.8 Partial Supply Fill List

This function is used for inpatient pharmacy to prepare and dispense medication by ward. The user has to generate and manage the fill list in order to complete the dispensing process.

3.8.1 Generate Fill List

Generate Fill List screen allow user to retrieve patient by ward, view prescription, allocate Qty, edit label, print original prescription and generate fill list.



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Logout

Home | Screening & Verification | Preparation | Dispensing | **Fill List**

GENERATE FILL LIST

Manage Fill List

Dispense Location: Ward Supply Pharmacy | Supply Date From: 08/03/2023 05:39 AM
Nursing Unit: WAD 3 | Supply Date To: 09/03/2023 05:39 AM
No Of Days: 1 | Dangerous Drug Normal Drug
Dispense At: Pharmacy Counter | Dispense Method: Normal Collection
 Select/Deselect All

[- Collapse All] [+ Expand All] **Fill List** [1 - 1 / 1]

	Patient Name	Patient ID	MRN No	Gender	Age	Room/Bed No
<input checked="" type="checkbox"/>	MASXX TEST	980517060909	HSM00241759	M	24 Years 09 Months 21 Days	

Figure 3.8.1-1 Fill List Listing Page

STEP 1

Click 'Fill List' in sub menu 'Inpatient'

STEP 2

Search existing patient record as follow:

- Dispensing Location
- Nursing Unit
- Supply Date From
- Supply Date To
- Dispensed At
- Dispensed Method

Note

- User Able to select **Dangerous Drug or Normal Drug** and generate Fill List.
- Supply Date From** and **Supply Date To** will be auto captured by default date and able to edit by user

STEP 3

Tick on the  button to view patient by ward.


PHARMACY INFORMATION SYSTEM
Logout

HOSPITAL SERI MANJUNG

Home

Screening & Verification

Preparation

Dispensing

Fill List

GENERATE FILL LIST

Dispense Location	Ward Supply Pharmacy	Supply Date From	08/03/2023 05:39 AM
Nursing Unit	WAD 3	Supply Date To	09/03/2023 05:39 AM
No Of Days	1	<input type="radio"/> Dangerous Drug <input checked="" type="radio"/> Normal Drug	
Dispense At	Pharmacy Counter	Dispense Method	Normal Collection

Select/Deselect All

	Patient Name	Patient ID	MRN No	Gender	Age	Room/Bed No
<input checked="" type="checkbox"/>	MASXX TEST	980517060909	HSM00241759	M	24 Years 09 Months 21 Days	

Figure 3.8.1-2 Select / Deselect Patient Prescription

STEP 4

Select the checkbox to include the patient prescription for generated fill list else deselect the checkbox to exclude the patient prescription patient from the fill list

GENERATE FILL LIST

Dispense Location	Ward Supply Pharmacy	Supply Date From	08/03/2023 05:39 AM
Nursing Unit	WAD 3	Supply Date To	09/03/2023 05:39 AM
No Of Days	1	<input type="radio"/> Dangerous Drug <input checked="" type="radio"/> Normal Drug	
Dispense At	Pharmacy Counter	Dispense Method	Normal Collection

Select/Deselect All

	Patient Name	Patient ID	MRN No	Gender	Age	Room/Bed No		
<input checked="" type="checkbox"/>	MASXX TEST	980517060909	HSM00241759	M	24 Years 09 Months 21 Days			
<input checked="" type="checkbox"/>	07/03/2023	W30001124507	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM	7	1	0	

Figure 3.8.1-3 Select / Deselect Drug

Note

Authorise status will appear in the details next to order detail as Figure 3.8.1-3.

STEP 5

Click on the button to expand the patient prescription, select the checkbox to exclude the drug from the fill list or else remain selected if the drug included in the fill list

Note

By default, all patient will selected.

GENERATE FILL LIST






Dispense Location:

Nursing Unit:

No Of Days:

Dispense At:

Select/Deselect All

Supply Date From:

Supply Date To:

Dangerous Drug Normal Drug

Dispense Method:

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

	Patient Name	Patient ID	MRN No	Gender	Age	Room/Bed No			
<input checked="" type="checkbox"/>	MASXX TEST	980517060909	HSM00241759	M	24 Years 09 Months 21 Days				
	Rx Date	Rx No	Drug Name	Order Detail	Authorise Status	Order Qty	Reserve Qty	Previous Disp Qty	Last Dispense Date
<input checked="" type="checkbox"/>	07/03/2023	W30001124507	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM		7	1	0	

Figure 3.8.1-4 Generate Fill List

STEP 6

Click on the  button to save record

CONFIRMATION

 CONF0002: Are you sure you want to save?

Figure 3.8.1-5 Confirmation Alert Message

STEP 7

Click button to confirm save record and fill list screen will automatically closed

CONFIRMATION

 CONF0148: Successfully generated Fill List No W3/20230307/23251. Do you want to proceed with printing process

Figure 3.8.1-6 Information Alert Message

STEP 8

Click on the button to save record

3.8.2 Manage Fill List

This function is used to dispense drugs base on the generated fill list by nursing unit, also able to print label and prescription fill list.

Figure 3.8.2-1 Manage Fill List

STEP 1

Click on the button to proceed Manage Fill List process

Figure 3.8.2-2 Manage Fill List

STEP 2

Click on the button to search the fill list

Note

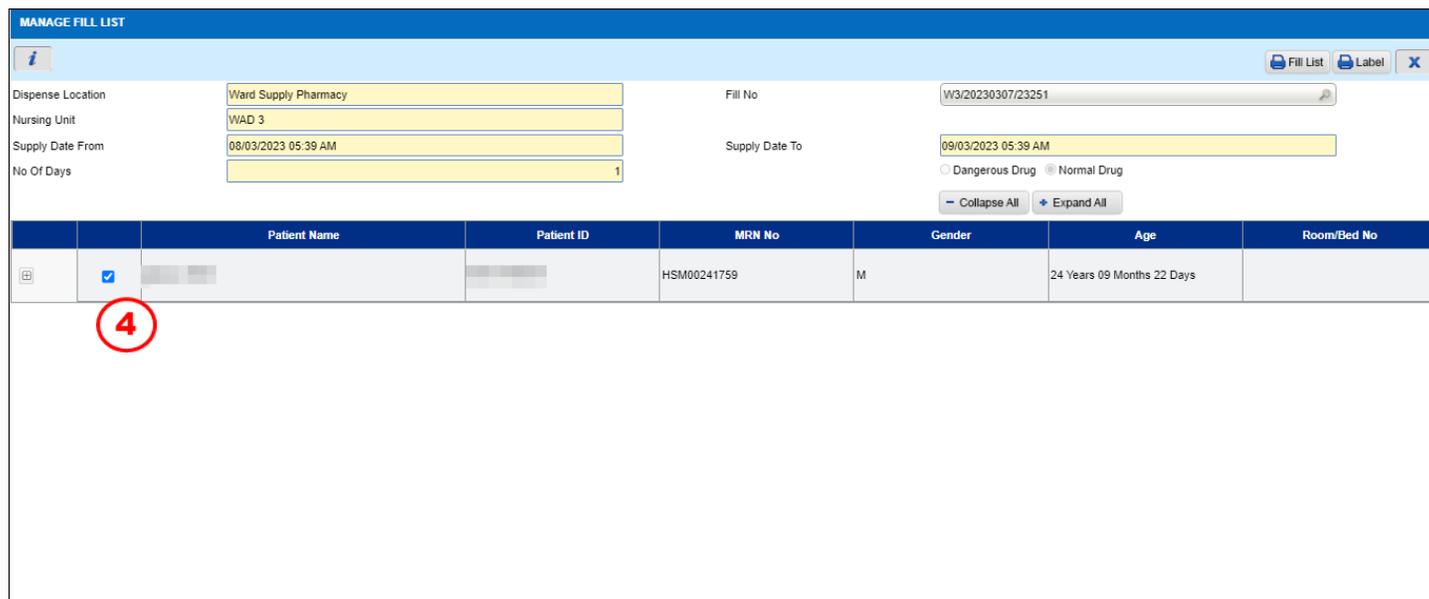
Allow and able to search fill list based:-

- a) Fill No
- b) Nursing Unit
- c) Supply Date From

- d) Supply Date To
- e) Dispensed at
- f) Dispensed Method

STEP 3

Double click on the selected fill list



	Patient Name	Patient ID	MRN No	Gender	Age	Room/Bed No
<input checked="" type="checkbox"/>	[Redacted]	[Redacted]	HSM00241759	M	24 Years 09 Months 22 Days	

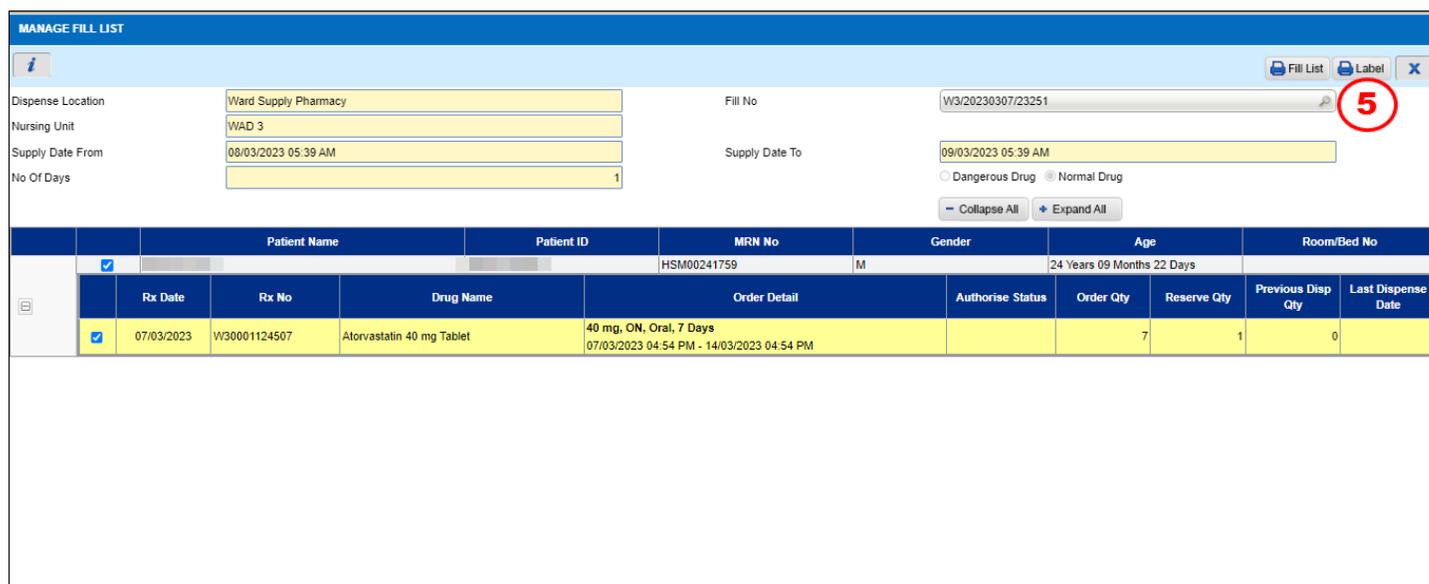
Figure 3.8.2-3 Manage Fill List

STEP 4

Select on the checkbox to print the drug label

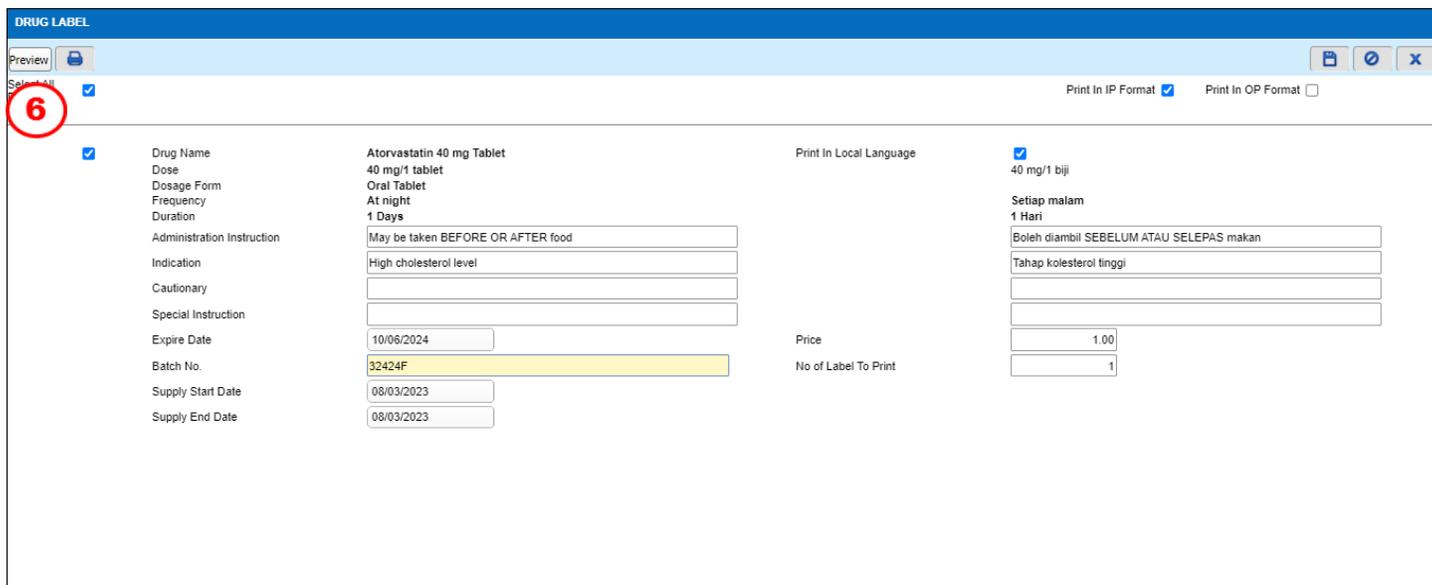
STEP 5

Click on the  to view or edit drug label



Rx Date	Rx No	Drug Name	Order Detail	Authorise Status	Order Qty	Reserve Qty	Previous Disp Qty	Last Dispense Date
<input checked="" type="checkbox"/>	07/03/2023	W30001124507	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM		7	1	0

Figure 3.8.2-4 Print Drug Label



DRUG LABEL

Preview    

Select All Print In IP Format Print In OP Format

<input checked="" type="checkbox"/>	Drug Name	Atorvastatin 40 mg Tablet	Print In Local Language	<input checked="" type="checkbox"/>
	Dose	40 mg/1 tablet		40 mg/1 biji
	Dosage Form	Oral Tablet		Setiap malam
	Frequency	At night		1 Hari
	Duration	1 Days		Boleh diambil SEBELUM ATAU SELEPAS makan
	Administration Instruction	May be taken BEFORE OR AFTER food		Tahap kolesterol tinggi
	Indication	High cholesterol level		
	Cautionary			
	Special Instruction			
	Expire Date	10/06/2024	Price	1.00
	Batch No.	32424F	No of Label To Print	1
	Supply Start Date	08/03/2023		
	Supply End Date	08/03/2023		

Figure 3.8.2-5 Drug Label

STEP 6

Click on the  button to preview the drug label

Note

- Details as below will be auto generated in Drug Label:
 - a) Drug Name
 - b) Dose
 - c) Dosage Form
 - d) Frequency
 - e) Duration
 - f) Administration Instruction
 - g) Indication
 - h) Cautionary
 - i) Special Instruction,
 - j) Expiry Date
 - k) Batch No
- It is allowed to edit Administration, Indication, Special Instruction, Expiry Date, Batch No, Price, No of Label to Print and select Print in Local Language.
- Allowed to select to print label in IP format or OP format



HOSPITAL						
[REDACTED]						
00241759(2562)			WAD 3		[REDACTED]	
Atorvastatin 40mg Tab						
Ambil 40 mg/1 biji Setiap malam						
-						
Boleh diambil SEBELUM ATAU SELEPAS makan.						
08/03	09/03	10/03	11/03	12/03	13/03	14/03
08/03/23 [1 hari]		1 biji		RM1.00		
UBAT TERKAWAL System PhIS				08/03/2023 09:51 AM		

Figure 3.8.2-6(a) Print Drug Label(IP)

HOSPITAL (Tel: 056896600)	
[REDACTED]	
00241759(2562)	WAD 3 [REDACTED]
Atorvastatin 40mg Tab	
Ambil 40 mg/1 biji Setiap malam	
-	
Boleh diambil SEBELUM ATAU SELEPAS makan	
Tahap kolesterol tinggi	
08/03/23-08/03/23 [1 hari]	1 biji RM1.00
UBAT TERKAWAL JAUHI DARIPADA KANAK-KANAK 08/03/2023 09:52 AM	

Figure 3.8.2-6(b) Print Drug Label(OP)

STEP 7

Click on the  button to print the drug label

MANAGE FILL LIST

 8  Fill List  Label 

Dispense Location: Ward Supply Pharmacy Fill No: W3/20230307/23251

Nursing Unit: WAD 3

Supply Date From: 08/03/2023 05:39 AM Supply Date To: 09/03/2023 05:39 AM

No Of Days: 1

Dangerous Drug Normal Drug

	Patient Name	Patient ID	MIRN No	Gender	Age	Room/Bed No
<input checked="" type="checkbox"/>			HSM00241759	M	24 Years 09 Months 22 Days	

	Rx Date	Rx No	Drug Name	Order Detail	Authorise Status	Order Qty	Reserve Qty	Previous Disp Qty	Last Dispense Date
<input checked="" type="checkbox"/>	07/03/2023	W30001124507	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM		7	1	0	

Figure 3.8.2-7 Print Fill List

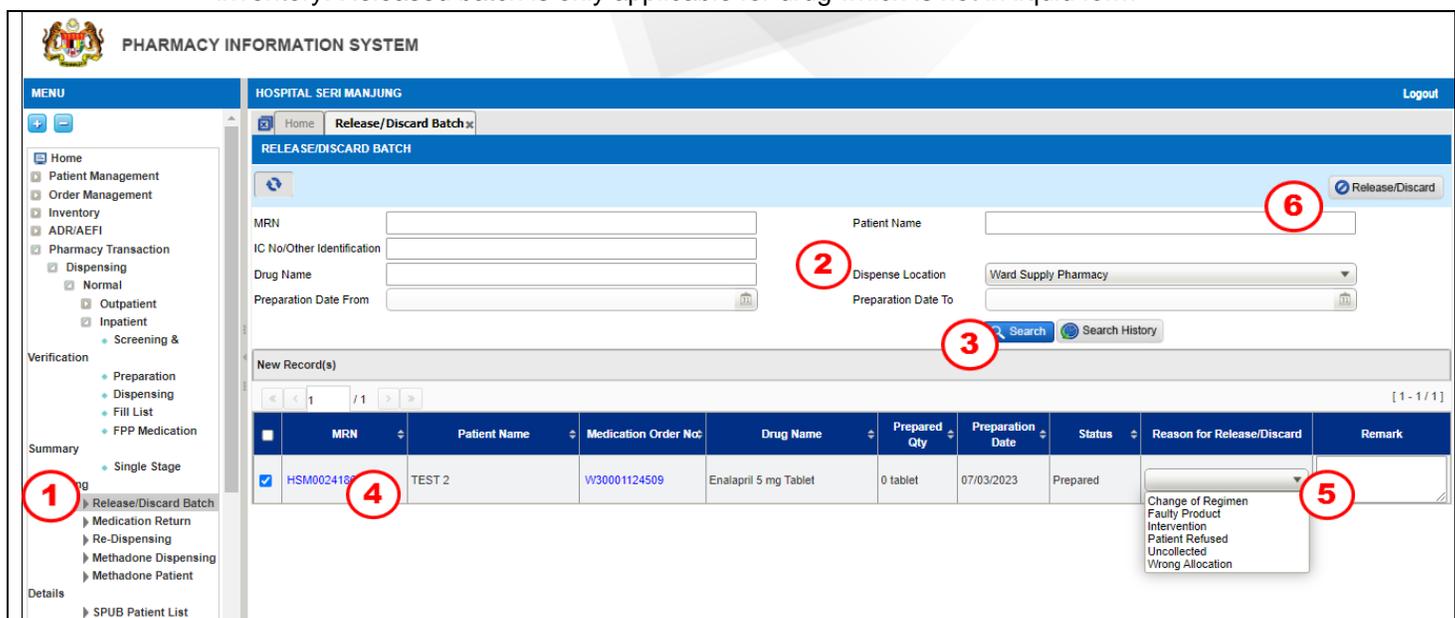
STEP 8

Click on the  **Fill List** button to print the fill list



3.9 Released / Discard Batch

Released / Discard Batch screen is allowing user to release any reserved / prepared drugs back into inventory. Released batch is only applicable for drug which is not in liquid form



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Home | Release/Discard Batch

RELEASE/DISCARD BATCH

MRN: Patient Name:

IC No/Other Identification: Dispense Location:

Drug Name: Preparation Date From: Preparation Date To:

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"/> HSM002418	TEST 2	W30001124509	Enalapril 5 mg Tablet	0 tablet	07/03/2023	Prepared	<ul style="list-style-type: none"> Change of Regimen Faulty Product Intervention Patient Refused Uncollected Wrong Allocation 	

Figure 3.9-1 Release / Discard

STEP 1

Click on 'Release Discharge Batch' sub menu

STEP 2

Search patient record based on:

- a) **MRN**
- **Patient Name**
- c) **Drug Name**
- d) **Dispense Location**

STEP 3

Click on the button to search the drug

STEP 4

Select check box to select patient drug for release batch

STEP 5

Select **Reason for Release / Discard**

- Change of Regimen
- Faulty Product
- Intervention
- Patient Refused
- Uncollected
- Wrong Allocation

STEP 6

Click on the button to proceed release or discard process

3.10 Medication Return

Medication Return screen will allow user to return any drugs back into inventory

PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Logout

Home Release/Discard Batch Medication Return

MEDICATION RETURN

Show All

Patient Name: Patient MRN:

Medication Return No: IC No/Other Identification:

Date Return: Drug Name:

Search

[1 - 10 / 39]

Return No	MRN	Patient Name	IC No/Other Identification	Encounter No	Status	Drug Name	Dispensing Date	Requested By
0022/2023	HSM0012538			0003	Confirmed	Frusemide 40 mg Tablet	20/02/2023	
0021/2023	HSM0012538			0003	Confirmed	Frusemide 40 mg Tablet	20/02/2023	
0035/2023	HSM00241372			0001	Requested	Chlorpheniramine Maleate 2 mg/5 ml Syrup	07/07/2019	
0034/2023	HSM00241372			0001	Confirmed	Chlorpheniramine Maleate 2 mg/5 ml Syrup; Chlorpheniramine Maleate 2 mg/5 ml Syrup	07/07/2019	
0017/2022	HSM00241393			0015	Confirmed	Metformin HCl 500 mg Tablet	30/06/2022	
0011/2022	HSM00241393			2039	Confirmed	Metformin HCl 500 mg Tablet	30/06/2022	

Figure 3.10-1 Medication Return Listing Page

STEP 1

Click on 'Medication Return' sub menu

STEP 2

Click on the button to add new patient record

MEDICATION RETURN

Submit

Request No: 0040/2023 Patient MRN:

Status: Draft

Remarks:

MEDICATION RETURN DRUGS

5

Dispense No: Return Qty:

Patient Visit Search

Patient MRN: Patient Name:

Search

[1 - 4 / 4]

Patient MRN	Patient Name	Visit No	Visit Date	Visit Location	Bed No
HSM00241377		0001	06/03/2023 08:03:26 AM	OUT PATIENT DEPT	
HSM00241377		0022	19/10/2022 02:31:06 PM	OUT PATIENT DEPT	
HSM00241377		0007	21/09/2022 12:33:59 PM	WAD 3	

Figure 3.10-2 Medication Return

STEP 3

Click on the button to search the patient

STEP 4

Double Click on the selected patient's name

STEP 5

Click on the  button to add drug to medication return list

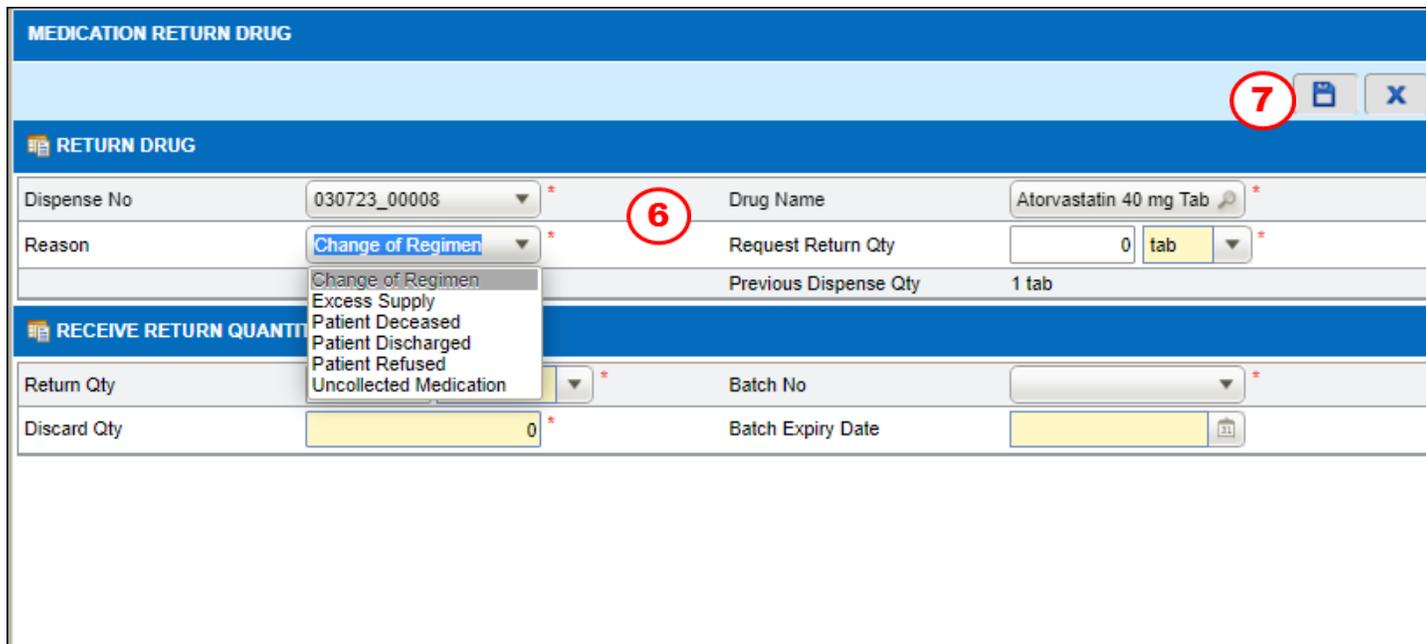


Figure 3.10-3 Medication Return

STEP 6

Select drug to be returned by criteria as below:

- a) Dispense No
- b) Reason
- c) Drug Name
- d) Request Return Qty

Note

Receive Return Quantity will be used to record:

- a) Return Qty
- b) Discard Qty
- c) Batch No

STEP 7

Click on the  button to save record

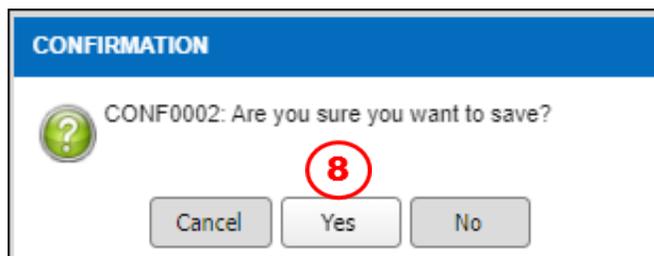
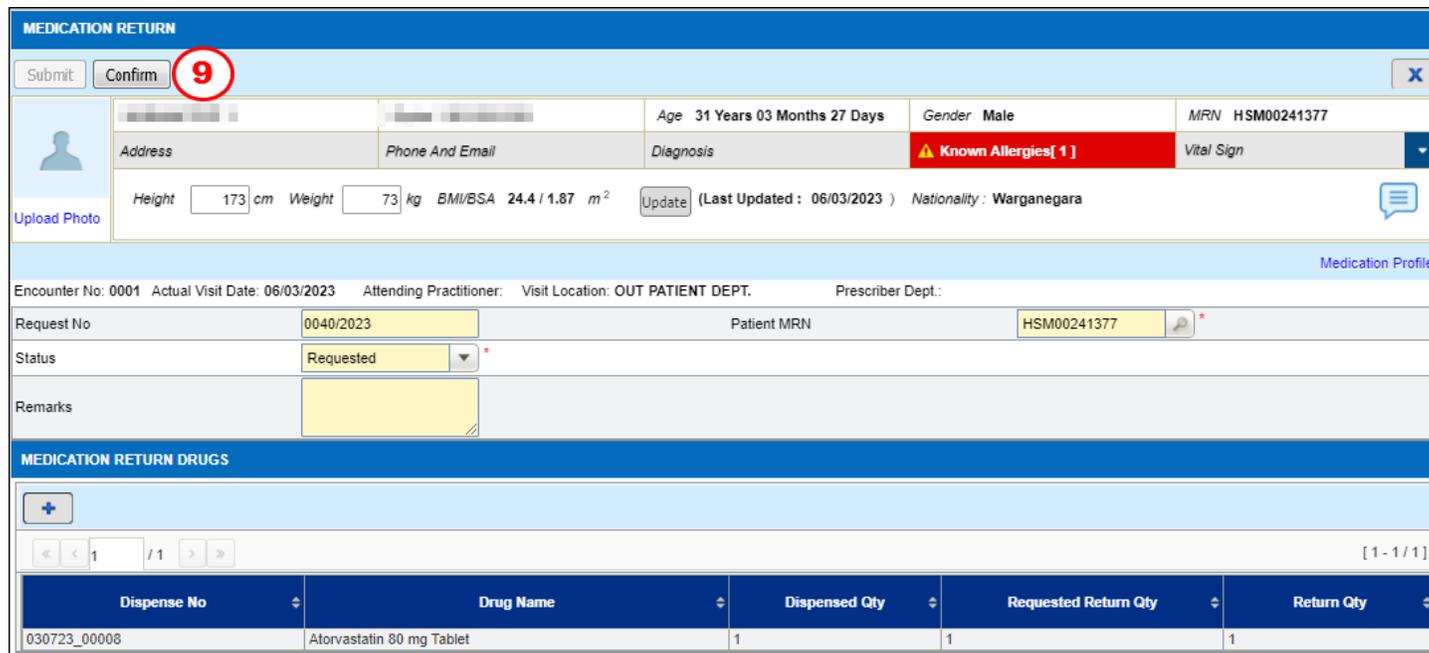


Figure 3.10-4 Confirmation Alert Message

STEP 8

Click on the  button to confirm save record



MEDICATION RETURN

Submit Confirm **9**

Age 31 Years 03 Months 27 Days Gender Male MRN HSM00241377

Address Phone And Email Diagnosis **Known Allergies[1]** Vital Sign

Height 173 cm Weight 73 kg BMI/BSA 24.4 / 1.87 m² Update (Last Updated : 06/03/2023) Nationality : Warganegara

Encounter No: 0001 Actual Visit Date: 06/03/2023 Attending Practitioner: Visit Location: OUT PATIENT DEPT. Prescriber Dept.:

Request No 0040/2023 Patient MRN HSM00241377

Status Requested

Remarks

MEDICATION RETURN DRUGS

Dispense No	Drug Name	Dispensed Qty	Requested Return Qty	Return Qty
030723_00008	Atorvastatin 80 mg Tablet	1	1	1

Figure 3.10-5 Medication Return

STEP 9

Click on the  button to confirm medication return process



CONFIRMATION

CONF0105: Are you sure you want to confirm?

10

Cancel Yes No

Figure 3.10-6 Confirmation Alert Message



INFORMATION

INFO0607: Medication returned to stock successfully!

11

OK

Figure 3.10-7 Information Alert Message

STEP 10

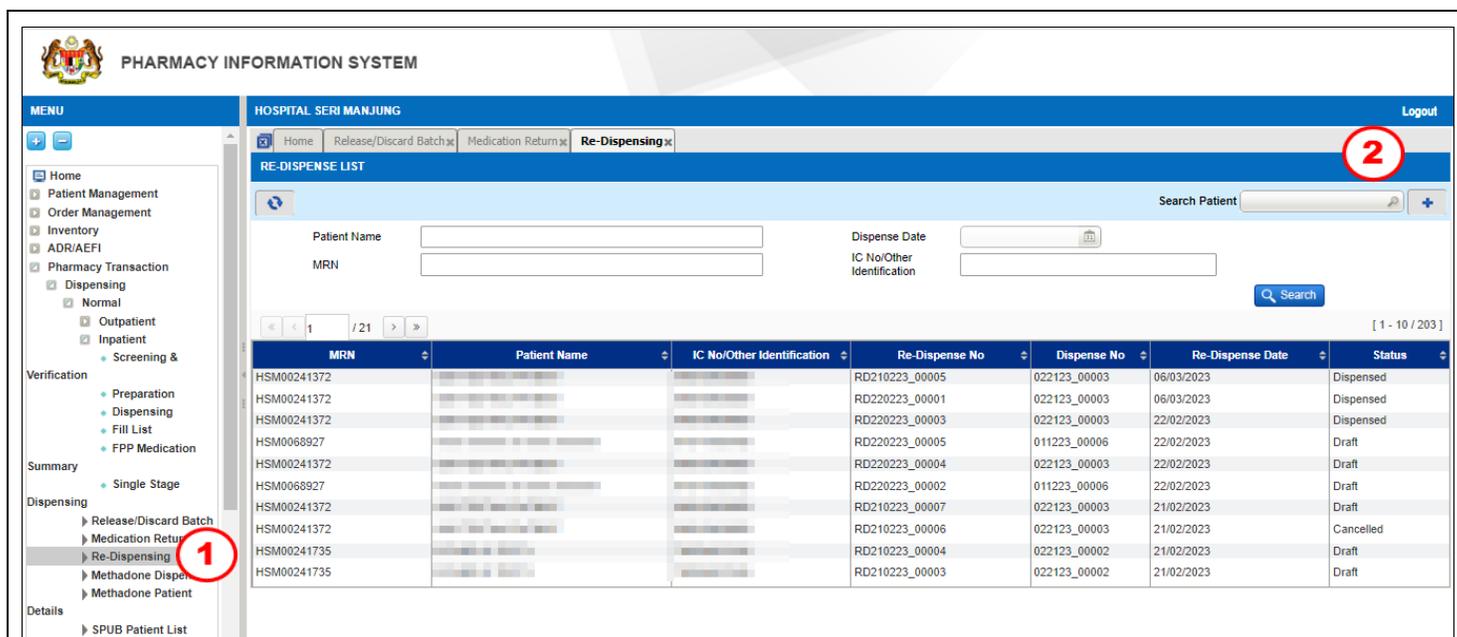
Click on the  button

STEP 11

Click on the  button and screen will be automatically closed

3.11 Re-Dispensing

Re-Dispensing screen allows user to view medication detail by Dispense No and re-dispense medication to the patient.



MRN	Patient Name	IC No/Other Identification	Re-Dispense No	Dispense No	Re-Dispense Date	Status
HSM00241372	[REDACTED]	[REDACTED]	RD210223_00005	022123_00003	06/03/2023	Dispensed
HSM00241372	[REDACTED]	[REDACTED]	RD220223_00001	022123_00003	06/03/2023	Dispensed
HSM00241372	[REDACTED]	[REDACTED]	RD220223_00003	022123_00003	22/02/2023	Dispensed
HSM0068927	[REDACTED]	[REDACTED]	RD220223_00005	011223_00006	22/02/2023	Draft
HSM00241372	[REDACTED]	[REDACTED]	RD220223_00004	022123_00003	22/02/2023	Draft
HSM0068927	[REDACTED]	[REDACTED]	RD220223_00002	011223_00006	22/02/2023	Draft
HSM00241372	[REDACTED]	[REDACTED]	RD210223_00007	022123_00003	21/02/2023	Draft
HSM00241372	[REDACTED]	[REDACTED]	RD210223_00006	022123_00003	21/02/2023	Cancelled
HSM00241735	[REDACTED]	[REDACTED]	RD210223_00004	022123_00002	21/02/2023	Draft
HSM00241735	[REDACTED]	[REDACTED]	RD210223_00003	022123_00002	21/02/2023	Draft

Figure 3.11-1 Re-Dispensing

STEP 1

Click on 'Re-Dispensing' sub menu

STEP 2

Click on the  button to search patient

Note

- Search MRN screen will be displayed as per Figure 3.11-2.
- On this screen, user will be able to search existing patient record by:
 - a) **Patient MRN**
 - b) **ID No**
 - c) **Patient Name**
- Allow to view the list of re-dispense at the listing page as per Figure 3.11-1.
- If need to re-dispense the drug again, click on the selected patient name and continue to proceed dispensing process.

Patient Search
X

Patient MRN	<input type="text"/>	Patient Name	<input type="text" value="pawi"/>
ID No	<input type="text"/>	<input type="button" value="Search"/> <input type="button" value="Refresh"/>	

1 / 1
[1 - 1 / 1]

Patient MRN	Patient Name	ID No
htmh00047781		

Figure 3.11-2 Search Patient

STEP 3

Click on the selected patient's name


PHARMACY INFORMATION SYSTEM
Logout

MENU

- Home
- Patient Management
- Order Management
- Inventory
- ADR/AEFI
- Pharmacy Transaction
 - Dispensing
 - Normal
 - Outpatient
 - Inpatient
 - Screening & Verification
 - Preparation
 - Dispensing
 - Fill List
 - FPP Medication
 - Summary
 - Single Stage
 - Dispensing
 - Release/Discard Batch
 - Medication Return
 - Re-Dispensing
 - Methodone Dispensing
 - Methodone Patient

HOSPITAL SERI MANJUNG
Logout

Home
Release/Discard Batch
Medication Return
Re-Dispensing

RE-DISPENSE LIST

Search Patient

+

Patient Name

MRN

Dispense Date

IC No/Other Identification

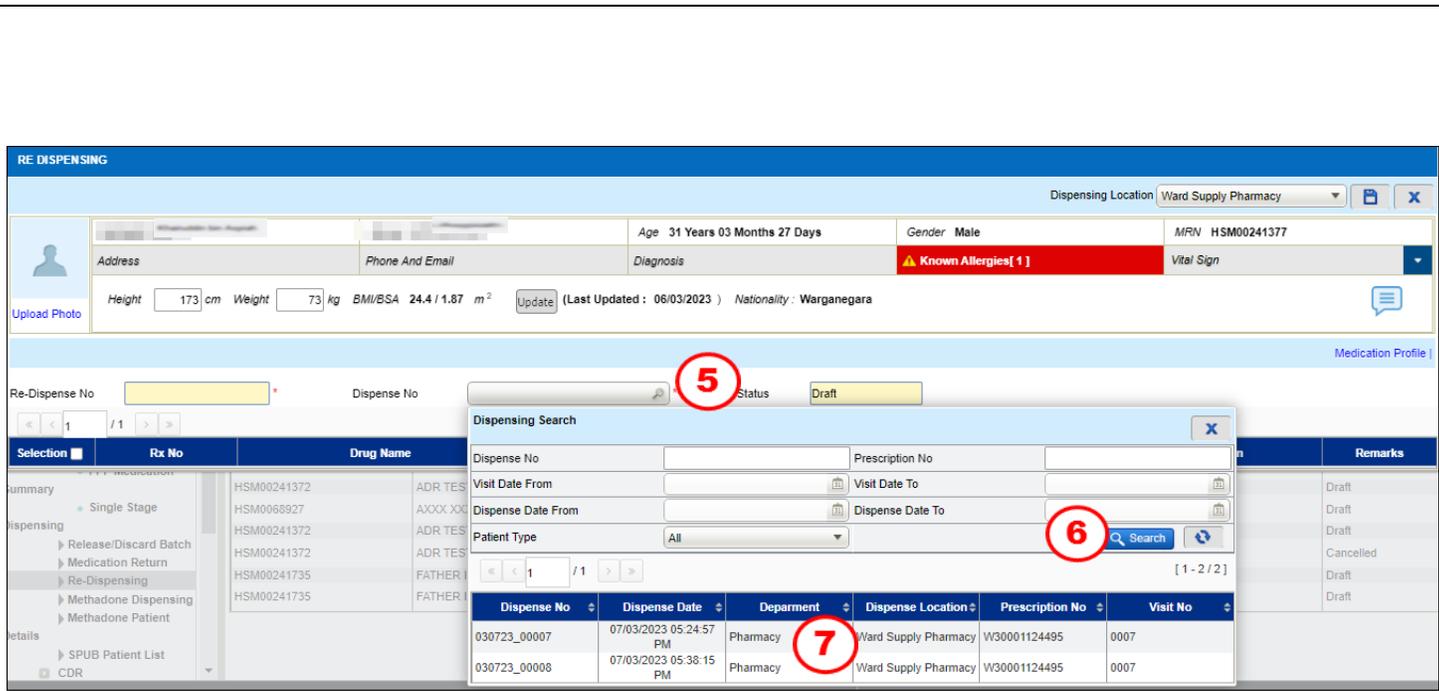
1 / 21
[1 - 10 / 203]

MRN	Patient Name	IC No/Other Identification	Re-Dispense No	Dispense No	Re-Dispense Date	Status
HSM00241372			RD210223_00005	022123_00003	06/03/2023	Dispensed
HSM00241372			RD220223_00001	022123_00003	06/03/2023	Dispensed
HSM00241372			RD220223_00003	022123_00003	22/02/2023	Dispensed
HSM0068927			RD220223_00005	011223_00006	22/02/2023	Draft
HSM00241372			RD220223_00004	022123_00003	22/02/2023	Draft
HSM0068927			RD220223_00002	011223_00006	22/02/2023	Draft
HSM00241372			RD210223_00007	022123_00003	21/02/2023	Draft
HSM00241372			RD210223_00006	022123_00003	21/02/2023	Cancelled
HSM00241735			RD210223_00004	022123_00002	21/02/2023	Draft
HSM00241735			RD210223_00003	022123_00002	21/02/2023	Draft

Figure 3.11-3 Re- Dispensing

STEP 4

Click on the  button to add new re-dispensing record as Figure 3.11-3



RE DISPENSING

Dispensing Location: Ward Supply Pharmacy

Age: 31 Years 03 Months 27 Days | Gender: Male | MRN: HSM00241377

Height: 173 cm | Weight: 73 kg | BMI/BSA: 24.4 / 1.87 m² | Nationality: Warganegara

Re-Dispense No: [] | Dispense No: [] | Status: Draft

Dispensing Search

Dispense No: [] | Prescription No: []

Visit Date From: [] | Visit Date To: []

Dispense Date From: [] | Dispense Date To: []

Patient Type: All

[Search]

Dispense No	Dispense Date	Department	Dispense Location	Prescription No	Visit No
030723_00007	07/03/2023 05:24:57 PM	Pharmacy	Ward Supply Pharmacy	W30001124495	0007
030723_00008	07/03/2023 05:38:15 PM	Pharmacy	Ward Supply Pharmacy	W30001124495	0007

Figure 3.11-4 Re-Dispensing

STEP 5

Click on the **Dispense No**  button to search dispense record

STEP 6

Select drug to be re-dispense by criteria as below:

- a) **Dispense No**
- b) **Visit Date From**
- c) **Dispense Date From**
- d) **Patient Type**
- e) **Prescription No**
- f) **Visit Date To**
- g) **Visit Date To**
- h) **Dispense Date To**

STEP 7

Double click on the selected **Dispense No**

RE DISPENSING

Dispensing Location: Ward Supply Pharmacy | Edit Label | Re-Dispense

Age: 31 Years 03 Months 27 Days | Gender: Male | HSM00

Address | Phone And Email | Diagnosis | Known Allergies [1] | Sign

Height: 173 cm | Weight: 73 kg | BMI/BSA: 24.4 / 1.87 m² | Update (Last Updated: 06/03/2023) | Nationality: Warganegara

Re-Dispense No: RD080323_00001 | Dispense No: 030723_00007 | Status: Draft

Selection	Rx No	Drug Name	Order Details	Order Qty	Disp Qty	Disp No	Disp Qty	Reason	Remarks
<input checked="" type="checkbox"/>	24495	Atorvastatin 40 mg Tablet	40 mg, ON, 7 Days	4 tablet	1 tablet	030723_000			

Figure 3.11-5 Re- Dispensing

STEP 8

Click at the Selection checkbox for selected drug

STEP 9

Enter the *Re-Disp Qty*

STEP 10

Enter the *Reason*

Note

Reason consist of:

- a) Spilled
- b) Broken
- c) Lost
- d) Others

STEP 11

Click on the **Edit Label** if necessary (to reprint the drug label)

STEP 12

Click on the **Re-Dispense** button

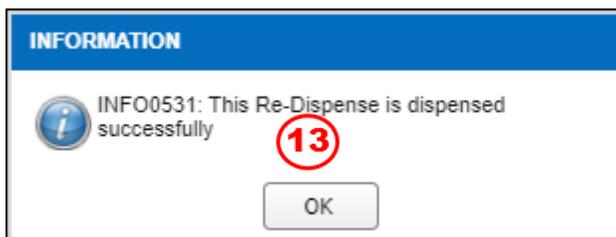


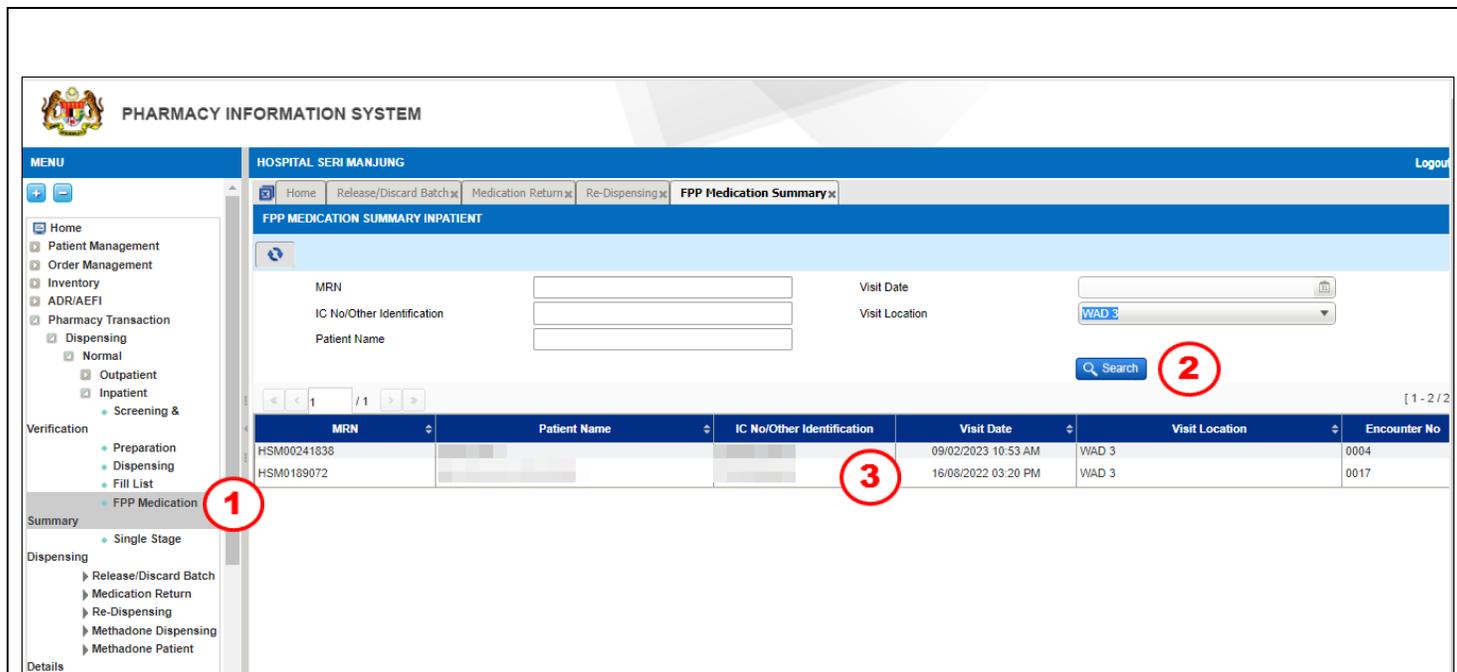
Figure 3.11-6 Confirmation Alert Message

STEP 13

Click on the **OK** button

3.12 FPP Medication Summary

Function is to view Full Paying Patients details and update FPP supply for patient. User able to print Invoice for the finalized FPP Medication summary.



PHARMACY INFORMATION SYSTEM

HOSPITAL SERI MANJUNG

Home | Release/Discard Batch | Medication Return | Re-Dispensing | **FPP Medication Summary** | Logout

FPP MEDICATION SUMMARY INPATIENT

MRN: Visit Date:

IC No/Other Identification: Visit Location:

Patient Name:

(2)

[1 - 2 / 2]

MRN	Patient Name	IC No/Other Identification	Visit Date	Visit Location	Encounter No
HSM00241838	[REDACTED]	[REDACTED]	09/02/2023 10:53 AM	WAD 3	0004
HSM0189072	[REDACTED]	[REDACTED]	16/08/2022 03:20 PM	WAD 3	0017

(1) (3)

Figure 3.12-1 FPP Listing Page

STEP 1

Click on 'FPP Medication Summary' sub menu

STEP 2

Click on the  button to search patient

STEP 3

Select the patient to view FPP Medication Summary as shown in Figure 3.12-2



FPP DRUG DETAILS

MRN: HSM00241838 Patient Name: [REDACTED] (5)

Visit Date: 09/02/2023

Drug Name	Order Details	Supplied Quantity (SKU)	Administered Date From - To	Administered Quantity (SKU)	Cost (RM)
Diclofenac Sodium 25 mg Suppository	25 mg, OD, RECT, 09/02/2023 10:55 AM - 16/02/2023 10:55 AM	1 suppository		<input type="text" value="0"/> suppository	0.00
Felodipine 10 mg Tablet	10 mg, OM, ORAL, 09/02/2023 10:56 AM - 16/02/2023 10:56 AM	1 tablet		<input type="text" value="0"/> tablet	0.00
Folic Acid 5 mg Tablet	5 mg, OD, ORAL, 09/02/2023 10:56 AM - 16/02/2023 10:56 AM	Ward Stock		<input type="text" value="0"/> tablet	0.00
Total					0.00

(4)

Figure 3.12-2 FPP Drug Details

STEP 4

Edit Administered Quantity based on supplied quantity

STEP 5

Click  button to save record and pop up will display as per figure 3.12.3

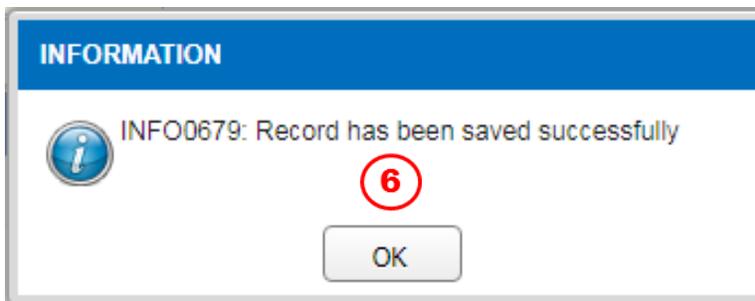
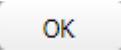


Figure 3.12-3 Information

STEP 6

Click  button to save record and Total price will display as per figure 3.12.4

FPP DRUG DETAILS					
MRN	HSM00241838	Patient Name			
Visit Date	09/02/2023				
Drug Name	Order Details	Supplied Quantity (SKU)	Administered Date From - To	Administered Quantity (SKU)	Cost (RM)
Diclofenac Sodium 25 mg Suppository	25 mg, OD, RECT, 09/02/2023 10:55 AM - 16/02/2023 10:55 AM	1 suppository		1 suppository	0.80
Felodipine 10 mg Tablet	10 mg, OM, ORAL, 09/02/2023 10:56 AM - 16/02/2023 10:56 AM	1 tablet		1 tablet	2.80
Folic Acid 5 mg Tablet	5 mg, OD, ORAL, 09/02/2023 10:56 AM - 16/02/2023 10:56 AM	Ward Stock		1 tablet	0.10
Total					3.70

Figure 3.12-4 FPP Drug Details

STEP 7

Click  button to print FPP invoice



(FULL PAYING PATIENT)

KEMENTERIAN KESIHATAN MALAYSIA

Hospital

Invoice

Patient Name : [REDACTED] Date : 08/03/2023 12:08 PM
Age : 53 Years 01 Months 05 Days Patient ID : 700203078043
Gender : Lelaki MRN : HSM00241838
Room No/Bed No : ___/___ Location : WAD 3

No	Drug Name	Cost	Quantity	Amount
1	Diclofenac Sodium 25 mg Suppository	0.80	1	0.80
2	Felodipine 10 mg Tablet	2.80	1	2.80
3	Folic Acid 5 mg Tablet	0.10	1	0.10
			Total : RM	3.70

Figure 3.12-5 FPP Invoice

3.13 Single Stage Dispensing

This function allow user to record and dispense medication in faster way. Normally it will be use if all the process was handle by one user. User able to allocate quantity of drug by batch, generate and print drug label, extemporaneous worksheet, ingredient label and record next medication collection detail.

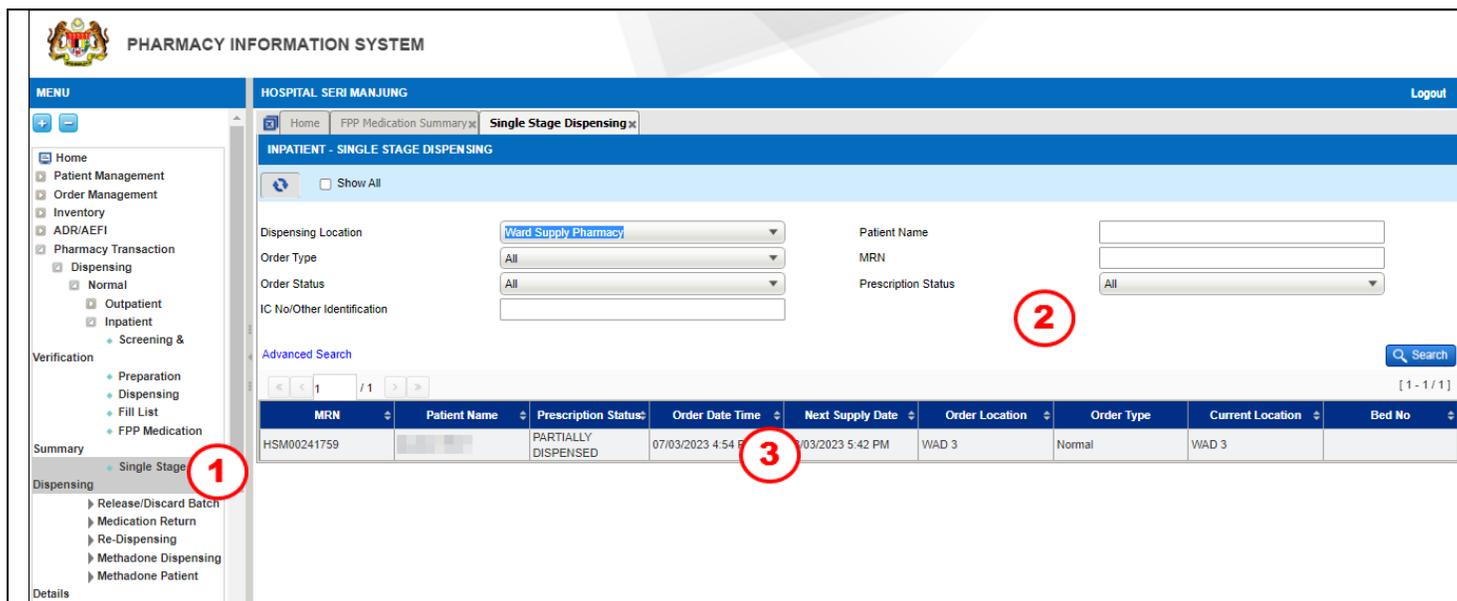


Figure 3.13-1 Single Stage Dispensing Landing Screen

STEP 1

Click on 'Single Stage Dispensing' sub menu

Note

- To perform Single Stage Dispensing, patient prescription must go through Acknowledgement process. Refer [Section 3.0 Acknowledgement](#) for acknowledgement steps
- Various search criteria are provided as below:

Basic Search			
No	Field	Description	Remark
a	Show All		Able to view all patient record
b	Dispensing Location	Dispensing location. (It will list down all active location)	Able to filter and search patient's record by dispensing location
c	Patient Name	Name of patient	Able to filter and search by patient's name
d	Order Type	-All	Able to filter and search patient's record by



		-Normal -SPUB -Discharge	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	<ul style="list-style-type: none"> - SMS and Take - Fax and Take - Email and Take - Appointment Card - UMP - Telephone and Take - Others - Normal Collection - Leave and collect - Home Visit - Comm. Apps in Smart Phone - Locker4U - Walk-In/Without Appointment 	Able to filter and search patient's record by mode of services
g	Order Status	-All -Normal -SPUB -Discharge -Referred Patient	All -Type of search from range Normal, SPUB,Discharge and Referred Patient Normal – Prescription from normal order SPUB - Prescription from SPUB order Discharge - Prescription from Discharge order Referred Patient – Prescription from referred patient
h	IC No/Other Identification	Identification Number	Allow to search by full or partial ID Number
i	Prescription Status	-All -Hold -Expired	Able to filter by prescription status
j	Original Prescription Serial No	Original Prescription Serial Number	Able to search by Original Prescription Serial Number

Advanced Search			
a	Order Location	Order location. (It will list down all active location)	Able to filter and search patient's record by order location
b	Order Location Type	- All - Clinic - Day Care - ER - Nursing Unit - Pharmacy	Able to filter and search patient's record by order location type
c	Order Date from	Order Date from	Able to filter and search patient's record by order date from
d	Order Date To	Order Date To	Able to filter and search patient's record by order date to
e	Queue Date	Queue Date	Able to filter and search patient's record by queue date
f	Queue Series	- All - Normal - Express - Special - Others	Able to filter and search p patient's record by queue series
g	Queue No	Queue No	Able to filter and search patient's record by queue no
h	Recorded by		Search patient by recorded by name

Table 3.13-1

STEP 2

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 3

Double click on the selected patient and patient information will be shown as per Figure 3.13-2

STEP 4

Enter the next collection date if applicable

SINGLE STAGE DISPENSING

Patient Label
Medication Counselling
MTAC Order
Intervened Prescription
Original Prescription
CP4

Age 24 Years 09 Months 22 Days

Gender Male

MRN HSM00241759

Address

Phone And Email

Diagnosis

Known Allergies[1]

Vital Sign

Height 170 cm Weight 71 kg BMI/BSA 24.6 / 1.83 m²

Update (Last Updated : 10/02/2023) Nationality : Warganegara

Encounter No: 0010 Actual Admission Date: 21/09/2022 Attending Practitioner: Visit Location: WAD 3 Rx No: W30001124507 Prescriber Dept.: Pharmacy

PHARMACY ORDER

Dispense At Pharmacy Counter

Remarks

SPUB SPUB R1 Form

Dispense Method Normal Collection

Supply Duration 1 Day

Witness By

Drug Counselling Required?

Next Collection Date 08/03/2023 Total Patient: 4

Next Collection Mode [Dropdown]

Next Dispense At Pharmacy Counter

Next Collection Location Ward Supply Pharmacy

PRESCRIPTION

Release/Discard Invoice Worksheet Worksheet Balance Medication Sheet Balance Medication Sheet Label IP Label OP Label Full Supply Allocate Dispense

	Drug Name	Order Detail	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Drug Status
<input type="checkbox"/>	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM	7 tablet	1 <input type="checkbox"/>	0 tablet <input type="checkbox"/> POMs	1 tab	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail	2 tablet (08/03/2023)			Verified

Figure 3.13-2 Single Stage Dispensing

Note

- **Alternate Drug**
User to select different drug with the same active ingredient and same administration route.
- **Hold and Resume**
Hold' function in dispensing is different from hold function in screening and preparation. This hold function is to record error before dispensing
- **Intervention**
This function allows user to modify drugs details frequency, duration and dose only.
- **Edit Label**
User able to edit and print drug label
- **Next Medication Collection record**
User able to record Date and Collection Location for partial medication.
- **TCA**
User able to record Date of next appointment to visit doctor / prescriber.
- **SPUB R1 Form**

SPUB R1 Form

button will allow pharmacist to send SPUB request to referred facility. (Only for partial supply drug). Pharmacist will fill in SPUB information in SPUB R1 Form and has option to print SPUB R1 form.

SINGLE STAGE DISPENSING

Patient Label Medication Counselling MTAC Order Intervened Prescription Original Prescription CP4

Age 24 Years 09 Months 22 Days Gender Male MRN HSM00241759

Address Phone And Email Diagnosis **Known Allergies[1]** Vital Sign

Height 170 cm Weight 71 kg BMI/BSA 24.6 / 1.83 m² Update (Last Updated : 10/02/2023) Nationality : Warganegara

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

Encounter No: 0010 Actual Admission Date: 21/09/2022 Attending Practitioner: Visit Location: WAD 3 Rx No: W30001124507 Prescriber Dept.: Pharmacy

PHARMACY ORDER

Dispense At Pharmacy Counter Remarks SPUB SPUB R1 Form

Dispense Method Normal Collection Supply Duration 1 Day

Witness By Drug Counselling Required?

Next Collection Date 08/03/2023 Total Patient: 0 Next Collection Mode

Next Dispense At Pharmacy Counter Next Collection Location Ward Supply Pharmacy

PRESCRIPTION Release/Discard Invoice Worksheet Worksheet Balance Medication Sheet Balance Medication Sheet Label IP Label OP Label Full Supply Allocate Dispense

	Drug Name	Order Detail	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Drug Status
<input type="checkbox"/>	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM	7 tablet	1 <input type="checkbox"/>	0 tablet <input type="checkbox"/> POMs	1 tab	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail	2 tablet (08/03/2023)			Verified

Figure 3.13-3 Single Stage Dispensing

Note

Details process for each process of Intervention, Alternate Drug and Hold are as followed:

- Intervention : Refer to [Section 3.2.2 Intervention](#).
- Alternate Drug : Refer to [Section 3.2.3 Alternate](#).
- Hold : Refer to [Section 3.2.5 Hold](#).

STEP 5

Click on the icon to do any of these functions such as Intervention, Alternate/Combination Drug and Hold.

Note

Reserve Quantity will calculate automatically once button is click. However, user can manually change the quantity by clicking on the hyperlink number in Reserve Qty column.

SINGLE STAGE DISPENSING

Age 24 Years 09 Months 22 Days Gender Male MRN HSM00241759
 Address Phone And Email Diagnosis **Known Allergies[1]** Vital Sign
 Height 170 cm Weight 71 kg BMI/BSA 24.6 / 1.83 m² Update (Last Updated: 10/02/2023) Nationality: Warganegara

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

Encounter No: 0010 Actual Admission Date: 21/09/2022 Attending Practitioner: Rx No: W30001124507 Prescriber Dept: Pharmacy

PHARMACY ORDER

Dispense At: Pharmacy Counter Remarks: SPUB SPUB R1 Form
 Dispense Method: Normal Collection Supply Duration: 1 Day **6**
 Witness By: Drug Counselling Required?

Next Collection Date: 08/03/2023 Total Patient: 0 Next Collection Mode: **7**
 Next Dispense At: Pharmacy Counter Next Collection Location: Ward Supply Pharmacy **8**

	Drug Name	Order Detail	Order Qty	Reserve Qty	POMs Received	Dispense UOM Qty	Balance	Remarks	Drug Counselling	Prev Disp Qty	Extemporaneous	Prescriber Name	Drug Status
<input type="checkbox"/>	Atorvastatin 40 mg Tablet	40 mg, ON, Oral, 7 Days 07/03/2023 04:54 PM - 14/03/2023 04:54 PM	7 tablet	1 <input type="checkbox"/>	0 tablet POMs	1 tab	4 tablet (4 day(s))	Remarks	<input type="checkbox"/> Detail	2 tablet (08/03/2023)			Verified

Figure 3.13-4 Single Stage Dispensing

STEP 6

Enter supply duration

STEP 7

Click on the or button to print

Note

Refer to [Section 3.3.3 for Drug Label printing detail process.](#)

STEP 8

Click on the button to dispense the drug

CONFIRMATION

CONF0064: Do you want to dispense now?

9

Figure 3.13-5 Confirmation Alert Message

STEP 9

Click on the button to confirm

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
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>Radiopharmaceutical</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		