



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

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## Release Note

## For version 1.8

<p><b>Version</b> : 1.0 <b>Document ID</b> : PhIS_CPS/ReleaseNote/Refinement/27032018</p>
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### Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	27/03/2018	Zainura	Chew Ming Ping	First Version

### Verified and Acknowledged by:

Name	Role/Designation	Organization	Signature & Date
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Name	Role/Designation	Organization	Signature & Date
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### Peer Review

Version No	Reviewed / Verified by	List Of Changes from Previous Version
1.0	Juridah (QA)	Initial document



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## 1 Introduction

### 1.1 Project Information

Project ID	:	PhIS and CPS
Project Name	:	Pharmacy Information System and Clinic Pharmacy System
Version No	:	1.8
Client Name	:	Ministry of Health
Release ID	:	RL18/007
Release Date	:	27/03/2018

### 1.2 Objectives

No.	Objective	Reference
1.	Release PhIS & CPS Application to Facility	Refer Section 3 – Refinement and Defect list



## 2 Purpose

The purpose of the document is to update the end-user of the changes and defects have been resolved to be included in the new version of application and will be deployed to production server.

This document outlines the list of request and issue to be delivered in the newer version of application and also the guidelines on how to deploy the new version of application in production.

### 3 Summary – Refinement and Defect List

#### 3.1 Refinement List

The following are the refinement that included in PhIS v1.8:

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
1	R170027	Clinical Pharmacokinetic Services (CPS) & TDM	External TDM	1) To add 'Others' in Id Type during TDM External registration 2) To display remarks in the report printing	I-PhIS016086516S	Hospital Tawau	No Quick Guide provided. Please refer to #4.1
					I-PhIS009487815S	Hospital Rehabilitasi Cheras	
2	R170007	General Module	Item/Product Buffer Level	1) Display item default's packaging description in Item/Product Buffer Level screen for user to update Buffer Level/Min Storage/Max Storage	I-PhIS016649516S	Hospital Pekan	No quick guide. Minor change by adding and display packaging description. Please refer to #4.2
3	R170005	General Module	Location Setup – Default department	1) To set a default department if department listing is more than one.	I-PhIS016063516S	Klinik Kesihatan Jalan Gereja	PhIS_CPS_Quick_Guide_1.8_GEN_Facility_v1.0.docx
					I-PhIS018550217S	Klinik Kesihatan Changkat Jerin	
4	R170117	General Module	User Role	1) Add status column to differentiate Active or Inactive record. User should not able to view inactive record when assign new roles. 2) Enable user to save at last page without losing any role that being ticked at different page. 3) New screen to which users are assigned to a particular role.	I-PhIS010260315S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_GEN_Facility_v1.0.docx
					I-PhIS017393716S	Hospital Alor Gajah	
					I-PhIS020189817S	Hospital Tuanku Jaafar	
5	R170120	General Module	User List in excel	New function to export user list to excel. Impact: User Profile User Role	I-PhIS018939617S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_GEN_Facility_v1.0.docx
6	R170001	General Module	Non-Drug Master	To increase character to 200 for non drug name & item description	I-PhIS016475316S	Bahagian Perkhidmatan	No quick guide Increase size from 100



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
						Farmasi (BPF)	to 200 characters.
7	R170118	General Module	Mobile Clinical-Change Password	To enhance on user password function. 1. User must change password when login to system for the first time 2. Password must be in alphanumeric format 3. New password cannot similar with current and previous 2 passwords. 4. Link for user manually change the password	I-PHIS016343416S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_Mobile_Change_Password_v1.0
8	R170175	Inpatient Pharmacy	Full Paying Patient (FPP)	1. To capture FPP drug flag in drug master screen. 2. New screen to capture drug price based on gazetted price. 3. To update patient FPP indicator during patient registration. 4. To display FPP indicator at patient banner as reference for patient currently register as FPP 5. To display total drug price during order/record prescription 6. Allow user to generate invoice by patient and visit. To view full paying patient information in report	I-PHIS020492217S I-PHIS023976018S I-PHIS023975818S I-PHIS023975618S I-PHIS023975318S I-PHIS023975218S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_FPP_v1.0.docx
9	R160194	MAR - Mobile	MAR Mobile - New Patient Listing and block serving for hold drug	To display the list of patient name in MAR patient list by row. Similar to patient list when open in medication order mobile. 2. To block the serving dose for withhold drug but user still able to enter remarks. Once resume, enable user to serve again.	I-PHIS012593215S	Hospital Tanah Merah	PhIS_CPS_Quick_Guide_1.8_MAR_Mobile_v1.0.docx
					I-PHIS017018416S	Hospital Miri	
10	R170204	MTAC	MTAC reporting - Request adherence score non mandatory	To remove mandatory for Adherence Score field.	I-PHIS021514717S	Klinik Kesihatan Seremban (TPC)	PhIS_CPS_Quick_Guide_1.8_MTAC_1.0.docx
11	R170206	MTAC	MTAC (Reporting) - Visit	To link MTAC record with previous visit if patient already have visit registered previously	I-PHIS021577017S	Klinik Kesihatan Greentown	PhIS_CPS_Quick_Guide_1.8_MTAC_1.0.docx
12	R170124	MTAC	MTAC - Warfarin	1) Search History button - to display Target INR Range and Bleeding Risk Factor of	I-PHIS017801417S	Hospital Bukit Mertajam	PhIS_CPS_Quick_Guide_1.8_MTAC_1.0.docx



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
				last visit at MTAC History only for Warfarin 2) Warfarin dose recommendation to be add in the MTAC Warfarin specific details sections	I-PhIS017964117S	Pejabat Kesihatan Daerah Klang	
13	R160035	Manufacturing - CDR	CDR VerPrepDisp - Update layout, search field and listing	Solution: 1. Combine allocation screen with dose schedule screen. 2. Listing - Add new search field > Cycle Start Date 3. User request to add: Regimen Description in listing page 4. User request to Add new search field - Type of Order (All, Approved, Future). 5. To add function to print Prescription in CDR Verification and Preparation.	I-PhIS009924415S	Hospital Kulim	PhIS_CPS_Quick_Guide_1.8_CDR_1.0.docx
					I-PhIS009739515S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS009739015S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS009738915S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS009738615S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS010150315S	Hospital Pakar Sultanah Fatimah	
					I-PhIS015988716S	Hospital Pakar Sultanah Fatimah	
14	R170202	Manufacturing - PN	PN Order (Compounded & Commercial Additive) - Rename	Rename 'multivitamin' to 'Combine vitamin (fat & water soluble)' -> Applicable to Medication Order, Record Prescription, Intervention, Manage Order, Worksheet	I-PhIS019166517S	Hospital Kuala Lumpur	No quick guide. Cosmetic change to field label i.e. Rename 'Multivitamin' to 'Combine Vitamin (fat & water soluble)' Refer to #4.4
15	R170128	Manufacturing - Radiopharmaceutical	Radiopharma screens - Default dose/UOM for all RP screen	Expected result: Default UOM in 1. Calculate Activity 2. Generator Elution 3. Kit Preparation 4. Radioisotope Receipt form report	I-PhIS013456716S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_RP_General_1.0.docx



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
			Radiopharma Therapy (Maintenance) - To allow facility to set default	To remove default function in IWP and add function for facility user able to set default radiopharmaceuticals.	I-PHIS013453116S	Bahagian Perkhidmatan Farmasi (BPF)	
16	R170129	Manufacturing - Radiopharmaceutical	Radiopharma Generator Elution - Update Functions	Preparation: 1. Rename from 'Checked By' to 'Worksheet Checked By', update field as mandatory 2. Update worksheet layout Edit label: 1. 'Prepared By' to display as read-only which refers to user who confirms the record. 2. Rename 'Elution Date/Time' to 'Measured Date/Time' and value should be the same with 'Measured Date/Time' Drug label:  1. Rename Elution Date/Time to Measured Date/Time 2. To display Product name in 1 line 3. To separate between Date & Time (Elution Date/Time & Expiry Date/Time) QC: 1. Quality Control Done By to display as a search box. Approval: 1. Approval Done By to display as a search box.	I-PHIS013453916S	Bahagian Perkhidmatan Farmasi (BPF)	PHIS_CPS_Quick_Guide_1.8_RP_GE & KP_1.0.docx
					I-PHIS013453716S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PHIS013454116S	Bahagian Perkhidmatan Farmasi (BPF)	
			I-PHIS013455016S (NP)	Bahagian Perkhidmatan Farmasi (BPF)			
			Radiopharma Kit Preparation - Update functions	Preparation: 1. To add new field 'Worksheet Checked By' 2. Update worksheet function Edit label: 1. 'Prepared By' to display as read-only which refers to user who confirms the record. 2. Rename 'Elution Date/Time' to 'Measured	I-PHIS013454616S (NP)	Bahagian Perkhidmatan Farmasi (BPF)	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
				<p>Date/Time' and value should be the same with 'Measured Date/Time'</p> <p>Drug label:</p> <ol style="list-style-type: none"> <li>1. Rename Elution Date/Time to Measured Date/Time</li> <li>2. To display Product name in 1 line</li> <li>3. To separate between Date &amp; Time (Elution Date/Time &amp; Expiry Date/Time)</li> </ol> <p>QC:</p> <ol style="list-style-type: none"> <li>1. Quality Control Done By to display as a search box.</li> </ol> <p>Approval:</p> <ol style="list-style-type: none"> <li>1. Approval Done By to display as a search box.</li> </ol>			
17	R160187	Order Management - Mobile	OM Mobile - IP and OP order to separate and change alert message wording	<ol style="list-style-type: none"> <li>1. To change the alert message wording in mobile. Arrange start date n end date stacking with each other in order prompt. : Dabigatran Etxilate 110 mg Capsule, BD (twice daily), Oral, starts 22-09-2016[1 month] Start Date: 22-09-2016 End Date: 22-10-2016 Is active in the previous medication.</li> <li>2. To separate ward (inpatient) order and discharge (outpatient) order.</li> </ol>	I-PhIS0165292165	Hospital Seri Manjung	PhIS_CPS_Quick_Guide_1.8_OM_Mobile_v1.0.docx
					I-PhIS0119483155	Hospital Tanah Merah	
18	R170193	Order Management - Web	Medication Order - sort frequency in alphabetical order	In medication order / record prescription, the drop down of frequency is to sort in alphabetical order.	I-PhIS0210363175	Bahagian Perkhidmatan Farmasi (BPF)	No quick guide. Change the sorting of frequency by alphabetical order. Refer to #4.5
19	R170199	Order Management - Web	Medication Order - Request cursor auto select at Original Prescription Serial	Default the cursor to Original Prescription Serial Number when first time create the order	I-PhIS0216074175	Klinik Kesihatan Bandar Maharani	No quick guide. Change the default of the cursor to Original Prescription Serial Number when create



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
			Number field				first order. Refer to #4.6
20	R170114	Outpatient Pharmacy	OP - Queue number setting and partial dispense record display	<ol style="list-style-type: none"> <li>To display the discharge medication of partial dispense (inpatient) in Transcribe Order under Partial Supply section.</li> <li>To make Queue Number is a compulsory fill.*Configure at facility.</li> <li>Add in Visit Type in Partial Supply listing.</li> </ol>	I-PhIS013541916S	Hospital Kuala Penyu	PhIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
					I-PhIS013752516S	Hospital Queen Elizabeth	
					I-PhIS018427417S	Klinik Kesihatan Bandar Mentakab	
					I-PhIS021096517S	Hospital Sungai Bakap	
					I-PhIS023953218S	Klinik Kesihatan Bandar Seri Jempol	
					I-PhIS021498117S	Klinik Kesihatan Taiping	
21	R170115	Outpatient Pharmacy	OP - Add in Patient Label button in all dispensing screen	<p>Allow user to print patient label from screening and verification screen:</p> <ol style="list-style-type: none"> <li>To add patient label button beside Print Original Prescription button in Screening &amp; Verification, Preparation and Dispensing screen.</li> </ol>	I-PhIS007486414S	Klinik Kesihatan Greentown	PhIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
					I-PhIS008777815S	Klinik Kesihatan Greentown	
					I-PhIS009108215S	Klinik Kesihatan Greentown	
					I-PhIS007486414S	Klinik Kesihatan Greentown	
					I-PhIS021805318S	Hospital Taiping	
22	R160305	Outpatient Pharmacy	OP - SPUB screen and R1 Form enhancement	<ol style="list-style-type: none"> <li>To include original order prescription number in SPUB R1 Form</li> <li>To include facility Rx number in SPUB R1 Form.</li> <li>To add Reference No. in SPUB R1 Form.</li> <li>To auto fill phone number and fax number of the receiving facility when creating the SPUB record.</li> </ol>	I-PhIS013433616S	Hospital Tanah Merah	PhIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
					I-PhIS013427216S	Hospital Slim River	
					I-PhIS013775116S	Klinik Kesihatan Putatan	
					I-PhIS014673316S	Hospital Kuala Lumpur	
					I-PhIS014151316S	Hospital Sentosa	
					I-PhIS017707617S	Hospital Sik	
					I-PhIS014093716S	Hospital Sentosa	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
23	R170191	Outpatient Pharmacy	SPUB - Request to enable "Enter " button for search	<p>Enable search by press enter key from key board. Example: When user type "ismail" at facility name, and press "enter" on keyboard, no any result shows BUT when user enter "ismail" and click on Search button, result appear.</p> <p>To Apply Enter function in SPUB R1 Form screen when search on facility name.</p>	I-PHIS018488417S	Hospital Kota Tinggi	No quick guide and screenshot. Enhance the function to enable user using ENTER function from key board key.
24	R180004	Outpatient Pharmacy	Pharmacist Remarks in dispensing - enhance on pharmacist remarks screen	<p>1) To include date &amp; time at the drug remarks history (ease sorting of remarks and to know which is latest). The sorting now is very confusing. Changes in Pharmacist Remarks and Additional Info screen.</p> <p>2) To sort latest remarks with date &amp; time at the top for both prescriber &amp; pharmacist remarks. Changes in Pharmacist Remarks and Additional Info screen.</p> <p>3) To clear remarks during medication order for prescriber as it can create confusing. If prescriber need to see previous remarks to show remarks flag like how pharmacist see at each drug."</p>	I-PHIS020516217S	Klinik Kesihatan Greentown	PHIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
25	R170192	Outpatient Pharmacy	Medication Profile - Request able to drag the drug name or use standard abbreviation	Enable user to see long drug name in Medication Profile, example for drug name : Rifampicin150mg /Isoniazid75mg /Pyrazinamide400mg /Ethambutol 275mg Tab.	I-PHIS018607117S	Klinik Kesihatan Kampung Pandan	No quick guide. Cosmetic changes on display long drug name at Medication Profile screen using 1768x360 resolution. Refer to #4.7
26	R170197	Outpatient Pharmacy	SPUB Patient List - Able to search for Daycare prescription	Visit Type = Daycare, should be able to appear inside SPUB Patient List, when adding new patient for SPUB Out, if the record is partial dispense.	I-PHIS019511317S	Hospital Pakar Sultanah Fatimah	PHIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
27	R170198	Outpatient Pharmacy	Medication Return - Dispense	To sort Dispense No in descending order. (latest record will be on top)	I-PHIS018447817S	Klinik Kesihatan Bandar Mentakab	No quick guide. Change the sorting of



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
			No not sort by date				medication return record, latest record will be on top. Refer to #4.8
28	R160042	Patient Management	PM - Allow backdate visit for registration and enhance patient registration function	<p>Backdate visit for patient registration:</p> <ol style="list-style-type: none"> <li>1. Allow user to capture actual visit date when create visit. Visit date will remain as current date(non editable).</li> <li>2. Allow user to backdate patient registration date and time. *For this case, it should not allow backdate prescription.</li> </ol> <p>Patient Registration:</p> <ol style="list-style-type: none"> <li>1. Add new dataset for race = 'Unknown'</li> <li>2. Allow facility to configure:               <ol style="list-style-type: none"> <li>a. To set race as mandatory field during registration</li> <li>b. Default race information</li> </ol> </li> <li>3. To provide a link to open Record Prescription screen after display the duplicate ID alert.</li> <li>4. To add 'White' zone at admission/visit for a patient that deceased when arrived at the hospital. **Request from user to make race as mandatory field</li> </ol>	I-PHIS012363915S	Hospital Wanita & Kanak-kanak Sabah	PhIS_CPS_Quick_Guide_1.8_PM_v1.0.docx
					I-PHIS012965815S	Hospital Seri Manjung	
					I-PHIS013441316S	Hospital Seri Manjung	
					I-PHIS017902817S	Hospital Bukit Mertajam	
					I-PHIS014816316S	Hospital Seri Manjung	
					I-PHIS017138016S	Klinik Kesihatan Kalumpang	
					I-PHIS018593417S	Hospital Wanita & Kanak-kanak Sabah	
					I-PHIS021587917S	Hospital Dungun	
29	R180003	Patient Management	OPIP - New function Pensioner	<p>Pensioner Information</p> <p>To capture pensioner information in PhIS. This will serve as information only. No changes on system rules and validation. Change request as below:</p>	I-PHIS020502417S	Hospital Tanah Merah	PhIS_CPS_Quick_Guide_1.8_OM_Web_v1.0.docx
					I-PHIS020277017S	Hospital Miri	
					I-PHIS020255617S	Hospital Serian	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
				1. Capture pensioner information during patient registration 2. Add checkbox pensioner at Medication Order for doctor to tick if the patient is a pensioner 3. To add column for status patient either pensioner / non pensioner under the report 'Drug Usage by patient', for user to know the total of pensioner patient in report at their facility.	I-PHIS020022317S I-PHIS020276917S I-PHIS021696617S I-PHIS021248317S	Hospital Pakar Sultanah Fatimah Hospital Miri Klinik Kesihatan Lebuh Muntri Hospital Kuala Lumpur	
30	R170112	Patient Management	PM Record Retrieval - Able to print SPUB Offline which created from SPUB Patient List	Add in print SPUB R1 form at Record Retrieval to print back offline SPUB record when created earlier from SPUB Patient List. System also need to bring the referred information facility when open the patient record in Screening & Preparation. (request exceptional)	I-PHIS018463617S	Hospital Tanah Merah	PhIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx
31	R160302	Patient Management	update patient demographic in patient banner	1. Allow to change patient demographic only at certain info such as handphone number, address and weight, include in SPUB Form. 2. Add in Patient Allergy at patient banner. 3. Allow to edit or delete Allergies at Demographic. Currently user only can add new allergies but unable to edit or delete. User only can edit allergy using active visit.  Solution on patient allergy: 1. To change colour alert for Allergy in patient banner. a. If one of the allergy status is 'Confirmed' = Red b. If one of the allergy status is 'To be confirmed' or 'Suspected' = Yellow c. If allergy status is 'Resolved' = No colour. 2. MIMS alert checking for allergy only for allergy status = 'Confirmed'	I-PHIS017285716S I-PHIS020518117S I-PHIS014402916S I-PHIS016108416S I-PHIS016890916S I-PHIS016927416S I-PHIS020200417S I-PHIS020672617S I-PHIS020854517S	Klinik Kesihatan Peringgit Klinik Kesihatan Bandar Jerantut Hospital Queen Elizabeth Hospital Queen Elizabeth Klinik Kesihatan Kalumpang Klinik Kesihatan Kalumpang Klinik Kesihatan Tanjung Karang Klinik Kesihatan Taiping Hospital Bahagia Ulu Kinta	PhIS_CPS_Quick_Guide_1.8_OPIP_v1.0.docx PhIS_CPS_Quick_Guide_1.8_OM_Web_v1.0.docx



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
32	R170210	IWP	IWP - Penalty Verification & Penalty Payment (Listing Page)	<p>Add new search field and new column to display PTJ Code/Name</p> <ol style="list-style-type: none"> <li>1. If user from type JKN:               <ol style="list-style-type: none"> <li>a. Display records from all PTJ Code</li> <li>b. View only</li> </ol> </li> <li>2. If user from type HQ User:               <ol style="list-style-type: none"> <li>a. Display records from all PTJ Code</li> <li>b. Edit and view</li> </ol> </li> <li>3. If user from type Hospital:               <ol style="list-style-type: none"> <li>a. Display only facility records with the same PTJ Code as per user's facility</li> <li>b. Edit and view</li> </ol> </li> <li>4. If user from type PKD/MUSN/PBFN:               <ol style="list-style-type: none"> <li>a. Display only facility records with the same PTJ Code as per user's facility</li> <li>b. Edit and view</li> </ol> </li> <li>5. If user from type KK:               <ol style="list-style-type: none"> <li>a. Display only records from user's facility</li> <li>b. View only</li> </ol> </li> </ol>	I-PHIS020810417S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_INV_Penalty-IWP_1.0.docx
33	R160360	Pharmacy Inventory	Inventory - Issue Listing	<ol style="list-style-type: none"> <li>1. To add filtering function to show print status. (Default all/printed/unprinted).</li> <li>2. To add column print status at listing page</li> </ol>	I-PHIS017045116S	Pejabat Kesihatan Daerah Hulu Selangor	PhIS_CPS_Quick_Guide_1.8_INV_Issue_Listing_v1.0
34	R160093	Pharmacy Inventory	Inventory - Contract Facility - Request to add SEARCH function	<p>Contract Facility</p> <ol style="list-style-type: none"> <li>1. This changes impact in Retrieve screen for Contract Facility function.</li> <li>2. To add filter search function with "Drug Name" and "Contract No." in Retrieve screen for Contract Facility List.</li> </ol>	I-PHIS010422315S	JKWP Kuala Lumpur & Putrajaya	PhIS_CPS_Quick_Guide_1.8_INV_Contract_Facility_1.0.docx
35	R180010	Pharmacy Inventory	Receive - Inter Facility - Receive Manual - Unit Price	Receive Item Against = Manual	I-PHIS021086417S	Hospital Putrajaya	PhIS_CPS_Quick_Guide_1.8_INV_Receive_Inter_Facility_v1.0
				<ol style="list-style-type: none"> <li>1. To allow user to enter unit price based on UOM selected.</li> </ol>	I-PHIS026909218S	Klinik Kesihatan Batu Rakit	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
36	R170183	Pharmacy Inventory	Condemn - able to condemn HQ inactive	allow to condemn whenever item status HQ inactive	I-PhIS017811717S	Hospital Pasir Mas	PhIS_CPS_Quick_Guide_1.8_INV_RCL_1.0.docx
37	R170213	Pharmacy Inventory	Offline Issue - Popup alert occur when try to approve issue	<p>When 2 or more transactions are accessing to the same batch, system will prompt alert: one of the item batch from this transaction is being processed by other transaction. This is to avoid problem with stock becomes negative.</p> <p>However, there are some scenarios, the lock release is not happening. Enhancement will be done in system to release the batch after some time &amp; will display the person name who is currently accessing the batch</p>	I-PhIS020008017S	Hospital Kuala Lumpur	No quick guide and screenshot. Improve backend validation to handle concurrent user issue.
38	R180007	Pharmacy Inventory	INV Receive From Supplier - Default value for LOU column	<p>1. Default LOU</p> <p>A. For Item Group = NON-DRUG</p> <p>i. Always default 'LOU' column to 'No', default only but editable</p> <p>B. For Item Group = DRUG</p> <p>i. When 'Shelf Life Compliance' = 'No', default 'LOU' column to 'Yes', default only but editable.</p> <p>ii. For vaccine item, to update Shelf Life Compliance calculation</p>	I-PhIS012196515S	Hospital Putrajaya	PhIS_CPS_Quick_Guide_1.8_INV_Receive from Supplier_1.0.docx
					I-PhIS021289417S	Klinik Kesihatan Kalumpang	
					I-PhIS020321417S	Makmal Ubat dan Stor Bahagian Sarikei	
					I-PhIS020263917S	Klinik Kesihatan Kalumpang	
					I-PhIS018898317S	Hospital Banting	
					I-PhIS017954717S	Klinik Kesihatan Kalumpang	
					I-PhIS015424016S	Klinik Kesihatan Labok	
					I-PhIS015390916S	Hospital Kuala Lumpur	
					I-PhIS015010416S	Klinik Kesihatan Kalumpang	
		Receive from Supplier - Allow to change	<p>2. Allow to change manufacturer and brand for Receive Item Against = AP DO</p> <p>a. To allow user to change Manufacturer and Brand</p>	I-PhIS025321118S	Klinik Kesihatan Bidor	PhIS_CPS_Quick_Guide_1.8_INV_Receive from Supplier_1.0.docx	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
			manufacturer and brand	during receiving of item for AP DO b. Value of brand and manufacturer will be defaulted to value selected during creation of PO c. User can change this value into different value from the list			
39	R180009	Pharmacy Inventory	INV All screens - To not refresh listing	Request to not refresh list when view/edit record, only when create new record then refresh the list to page 1	I-PhIS018875717S	Hospital Pontian	No quick guide and screenshot. Improve listing navigation. Will not refresh the list when view/edit record, only when create new record then refresh the list to page 1
					I-PhIS021062317S	Hospital Tanah Merah	
					I-PhIS021584917S	Hospital Tawau	
40	R180008	Pharmacy Inventory	Near Expiration Item - To allow 'Offered Qty' not in multiplication of conversion factor	Expected result: To allow user enter any value, not based on the conversion factor, validate only the value must be greater than 0 and available stock qty.	I-PhIS020038717S	Klinik Kesihatan Seberang Jaya	PhIS_CPS_Quick_Guide_1.8_INV_Near Expiration Item_1.0.docx
					I-PhIS019873717S	Klinik Kesihatan Ulu Yam Bahru	
41	R170201	Pharmacy Inventory	Prepacking and Galenical Label - To add border line	Prepacking & Galenical Labels • Request to add border lines • For Unit of Dose label, to allow 3 lines of drug name	I-PhIS020361817S	Klinik Kesihatan Senaling	PhIS_CPS_Quick_Guide_1.8_INV_Prepacking_1.0.docx
42	R160040	Pharmacy Inventory	Prepacking - Update screen layout	Solution 1. To remove batch record with '0' available qty and '0' Reserve Qty in this screen. 2. In Listing page, to add new search criteria 'New Batch No' 3. To display UOM for Actual Produced Qty 4. To combine both item and batch details listing	I-PhIS009730315S	Klinik Kesihatan Greentown	PhIS_CPS_Quick_Guide_1.8_INV_Prepacking_1.0.docx
					I-PhIS009730415S	Klinik Kesihatan Greentown	
					I-PhIS009739815S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS010038315S	Bahagian Perkhidmatan Farmasi (BPF)	
					I-PhIS014053116S	Hospital Seri	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
						Manjung	
					I-PhIS018412617S	Klinik Kesihatan Bakar Arang	
			Prepacking - To update allocation qty and allow to cancel function	Request 1: To update allocated quantity value in current stock once saves record in prepacking screen Request 2: To add new function to cancel record with 'Open' status	I-PhIS019340817S	Hospital Tawau	
					I-PhIS019398017S	Hospital Tawau	
					I-PhIS010326515S	Klinik Kesihatan Greentown	
					I-PhIS012925915S	Klinik Kesihatan Selekoh	
					I-PhIS012865715S	Klinik Kesihatan Bandar Maharani	
43	R170200	Pharmacy Inventory	Purchase Order - To exclude prepacking item from APPL validation	Not to include Prepacking Item in APPL – LP PO validation. To allow save LP – PO record if there is only APPL item which specified as Prepacking Item set as Active.	I-PhIS021478417S	Hospital Tengku Ampuan Jemaah	No quick guide. To allow save LP – PO record if there is only APPL item which specified as Prepacking Item set as Active. Refer to #4.9
44	R170209	Report/Enquiry	Average Issue by month	User request to adding UOM to choose whether the stock is in PKU or SKU. Refer attachment.	I-PhIS015937916S	Hospital Kuala Lumpur	No quick guide. Refer to #4.10
45	R180005	Ward Pharmacy	CP1 - To add back Pharmacist Note	To add Pharmacist Note field and captures the value in Pharmacist Note hyperlink and clinical summary	I-PhIS020538717S	Hospital Pakar Sultanah Fatimah	No Quick Guide. Refer to #4.11
46	R160365	Ward Pharmacy	CP1	Prescription medication. To sort by date and provide the scrolling function. (Remove paging)	I-PhIS014373716S	Hospital Pakar Sultanah Fatimah	No Quick Guide. Refer to #4.12
47	R170205	Ward Pharmacy	WP - Daily Review	1) Daily Review - Currently 100vchar To increase max 500vchar 2) To allow add record for same day, No need to control by date	I-PhIS016542816S	Hospital Kuala Kubu Bharu	PhIS_CPS_Quick_Guide_1.8_Ward_Pharmacy_1.0.docx
					I-PhIS017366516S	Bahagian Perkhidmatan Farmasi (BPF)	



No	CR No	Module	Function	Description	Ticket No	Facility	Reference
48	R170203	Ward Pharmacy	Ward Pharmacy - C & S - display fullname	"Rename to Cultural and Sensitivity *Apply to both web and mobile."	I-PHIS021521217S	Bahagian Perkhidmatan Farmasi (BPF)	PhIS_CPS_Quick_Guide_1.8_Ward_Pharmacy_1.0.docx
			Ward Pharmacy - I/O Chart - display fullname and unit	1. Rename - IVD - IV Drip 2. Rename - External Feeding - Enteral Feeding 3. Rename - PN - Parenteral Nutrition 4. Rename - Aspiration/FF - Aspiration 5. Rename - 'Sample Date time' to 'Date time' only 6. Display unit (ml) for every input fields	I-PHIS021520417S	Bahagian Perkhidmatan Farmasi (BPF)	
			Ward Pharmacy - Vital Sign. Rename 'Sample' to Vital Sign'	"1. Rename 'Sample Date time' to 'Date time' only 2. Rename header 'Sample' to Vital Sign' *Changes apply to both web and mobile."	I-PHIS021520217S	Bahagian Perkhidmatan Farmasi (BPF)	
		Ward Pharmacy - Mobile	Lab Parameter - display unit	Request to change display label and amend with extra characters 1. Display unit in all lab parameter table	I-PHIS021520617S	Bahagian Perkhidmatan Farmasi (BPF)	



### 3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS and CPS version 1.8.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
1	I-PhIS023069718S	Hospital Taiping	MTAC	24/1/18	MTAC Reporting - Dosage and frequency not appeared in PDF	User reported dosage and frequency not appear in PDF although added in cp1. User claimed it happened to all patient. Kindly refer attachment for reference. User ID: 830304086126	Missing dose & frequency value when printing MTAC reporting in PDF	9/3/18	
2	I-PhIS023139418S	Klinik Kesihatan Bidor	Outpatient Pharmacy	25/1/18	Re-dispensing - Unable to print drug label - extemp - single stage	Mr Choo reported unable to print drug label. User informed no response from printer when click print in direct print & Edit screen but got message HTTP 410 when click print using Preview Screen. User provide video Step : Redispensing > Search Patient :Wak Selsie>Click Add New Record>Dispense No > Tick > Printing Process No issue with printer, able to print drug label normally except for this patient for redispensing menu.	Issue happens when dispense single stage if any one drug is extemp then other drugs also become extemp during dispensing time in dispense normal table. Thus, when print drug label hitting error due to extemp record is null for normal drug	15/3/18	
3	I-PhIS023249218S	Hospital Beluran	Report/Enquiry	26/1/18	KPI 4a - Report not tally	Mr Kuah reported got huge difference in RM for this 2 report. KPI4A(Baki Stock Hadapan Jan) and KEWPS13(Jumlah Nilai Stock) report.Refer attachment	Column values not equals with KEWPS13,and in KEWPS13 value for stock semasa Showing wrongly.	21/3/18	
4	I-PhIS023353218S	Bahagian Perkhidmatan Farmasi	Special Drug Request	29/1/18	KPK - KPK Approval date is null at back end after done approve KPK	User reported according to the report "Application Usage KPI Indication" in BI Tools, for range Jan-Jun 2017, only 1 request for	KPK - KPK Approval date is null at back end after done approve KPK	15/2/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
		(BPF)				KPK application for HKL (refer user attachment 1) but according to the report in IWP, under "complete registration" report, there are more than 1 KPK application Jan-Jun 2017 for HKL (refer user attachment 2)			
5	I- PhIS023623718S	Hospital Pakar Sultanah Fatimah	Report/Enquiry	1/2/18	Psychotropic supply - No record found	User reported no record found for Psychotropic Supply for user from Unit FKP Filling station (Level 3). User informed should be have record from date range 1/12/2017 - 31/12/2017	Issue happens due to existing code allowing show records for level 1 and level 2 users only.	22/2/18	
6	I- PhIS023691318S	Hospital Taiping	MTAC	2/2/18	MTAC Reporting - Past Medication order for old record not appear	User reported past medication order for old record not appear. User claimed previous version, she able to view past medication order for old record. User query why if she click print preview to view past medication from old patient record, the record is not appear. One of the example patient as below: HTPG00023559 - Lee Ah Wooi Kindly refer attachment for reference. User ID: 830304086126	This is a bug in the system because new checkbox has been added to select list of medication and for older record, this value is null thus user cannot see any order created with older version. User need to select back the list of medication before print report	8/2/18	
7	I- PhIS023723118S	Hospital Sarikei	Clinical Pharmacokinetic Services (CPS) & TDM	2/2/18	TDM - TDM Outsource not Delivered to External Facility	Mr.Alvin reported that he had send TDM Outsource to Hospital Sibul on January2018, but Hospital Sibul claim they did not receive the TDM Outsource. TDM Number : TDM0000000016 Patient MRN: HSRK0000086056 Name: Maria Gedang ak Usit	TDM Online transaction user able to change the Patient MRN, idno using Offline register patient.	7/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
8	I-PhIS023773218S	Hospital Balik Pulau	Adverse Drug Reaction (ADR)	5/2/18	ADR - Detail not change after save - date of reaction	User Miss Simerjeet reported after she change date of reaction but after save, detail still remain. MRN : HBPU00094011 and HBPU00094076 For Patient Hazizah Md Zain, both time and concomitant drug cannot be selected. The time after changing, when come back to it, its back to normal. it supposed to be 10am. For Patient chang siew hee, the time cannot be selected despite few tries. the time is 10 pm	both date save into DB with time 12AM. When do retrieved on screen it will display date with time 12AM	7/2/18	
9	I-PhIS023778118S	Hospital Miri	Pharmacy Inventory	5/2/18	Return to Supplying Unit - Item not appear	User reported drug Amlodipine 10 mg Tablet, but drug not appear. User informed they have stock to return in system. OPD substore wanted to return excess Tablet Amlodipine 10mg to Logistic Pharmacy. Drug: Amlodipine 10 mg Tablet Drug code: C08CA01000T1002XX *** Referring to C2-INT011024017B, Batch No, Batch Qty & Stock available are referring to the received unit. Create this ticket as production reference	Batch number and stock details taking from receiver unit	15/2/18	
10	I-PhIS023764718S	Hospital Tengku Ampuan Afzan	Clinical Pharmacokinetic Services (CPS) & TDM	5/2/18	TDM (Sample Management) - Unable to save	Ms Lee reported she want to reject one sampling in sample management. However, after she click reject and save, popup appear 'An error has occurred. Please contact admin. Message error 8089'. Kindly refer attachment	the system does not initialised the Medication order records during loading.	7/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						provided by user. Step: Record prescription > search pt > click TDM > key in TDM order > key in TDM sampling > click reject > click save > popup appear MRN: HTAA00112406 (Hasni b Ahmad) ID: 910828115354			
11	I- PHIS023763618S	Hospital Tanah Merah	Order Management - Web	5/2/18	Order management- Unable to stop in ward medication rx	User inform perform Step: 1. order management < medication profile 2. tick 3 drug as in attachment 3. click stop 4. system show processing but then drug still not stopped 5. user prescribe above drug as discharge medication 6. then try to stop in ward medication (repeat step 1-3) again but then pop up to stop previous medication appear 7. user click stop previous medication, then discharge rx was stopped. User inform this problem will cause medication error, and has short duration and Will expired soon Prescriber ID: 900309035732 MRN - htmh00072746	Previously system will always stop the drug name & drug type based on from where the screen is opened. E.g. If user open Medication Order screen and try to stop the discharge medication drug, system will always stop the normal drug instead of discharge medication drug.	12/3/18	
12	I- PHIS024239218S	Hospital Sibu	General Module	12/2/18	User Profile - Unable to save new granted location	User reported user want to add new granted location but after select new location and tried to save but system not response. Location also not add into list after click close. Kindly refer attachment for login ID that effected.	System not properly captured and save record when checkbox tick.	28/3/18	
13	I- PHIS024249218S	Klinik Kesihatan Dengkil	Medication Counseling	12/2/18	Medication Counselling Order - Counselling Order	User reported at screen Medication Counselling Order the Counselling Order Number not follow running	counselling order no. keep generate even order counselling is null	30/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
					No not follow running number	number. kindly refer file upload			
14	I- PHIS024555118S	Hospital Kuala Lumpur	Outpatient Pharmacy	14/2/18	Medication Return - Unable to make medication return drug if having taper	User reported user want to make medication return drug of Alprazolam 0.5mg tablet by patient MRN HKL00127679 but transaction cannot be done due to error appear during selecting drug. MRN patient: HKL00127679 Drug: Alprazolam 0.5mg tablet	System unable to retrieve dose information for tapered drug thus causing error when selecting drug	9/3/18	
15	I- PHIS024463118S	Klinik Kesihatan Kalumpang	Pharmacy Inventory	14/2/18	Stok Adjustment - Field SKU not change to PKU after user select UOM = PKU	En Omar melaporkan apabila membuat pilihan di ruangan UOM sebagai PKU (skrin Stock Adjustment - Adjustment Information), apabila di skrin ADD ADJUSTMENT ITEM, ruangan di SKU tidak berubah kepada PKU.	value set as null while saving without selecting all mandatory files	21/2/18	
16	I- PHIS024799118S	Hospital Tanah Merah	Order Management - Mobile	18/2/18	Medication Order(Mobile)- Unable to find patient in Dispensing	User reported unable to find patient in screening & verification screen and preparation screen. but when user checked at at clinical summary status is prepared MRN Patient : MRN 95355( nurhayati binti zakaria) drug name: Chlorhexidine 1 in 2000(0.05%) in alcohol 70%	When ordering from favourite drug, mobile do not store the value of own medication to backend. Suppose own medication value should value either Yes or No. Thus dispensing part will hit issue.	6/3/18	
17	I- PHIS024887118S	Pejabat Kesihatan Daerah Batu Pahat	IWP	19/2/18	Purchase order - unable to approve in ep	User Mr Haris reported unable to proceed order in ep due unable to approve.Pop up notification " Unable to proceed due quantity 0".User inform the item already quantity "0" when approve by PKD due he want to reject the item.	Don't have filter approved qty > 0 when push order to eP.	6/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						Klinik Kesihatan Senggarang PO18000001			
18	I- PhIS025385218S	Hospital Sultanah Nora Ismail	Pharmacy Inventory	22/2/18	Receive item APPL - Unable to proceed due DO that already rejected.	User reported unable to receive item due DO already exist. User inform before this DO already been receive under FOC but the receive item been reject. When user receive again using the same DO for online been inform DO already exist. Version 1.6.1.9	status validation not handled properly	7/3/18	
19	I- PhIS025589118S	Hospital Dutchess of Kent	Medication Counseling	23/2/18	Medication Counselling - Details patient not appear when generate report	User reported want to generate medication counselling reporting and select Discipline as Anaesthesia and Intensive Care. Confirmed by user she already perform order with that discipline today, but when generate report, appear "no record found". IC patient: 851008145788 MRN - HDOK00008517 User ID: 940405145858 V1.6.1.9	need to amend code to read the combo box from 0 selection index .  This root cause or solution?	14/3/18	
20	I- PhIS025571118S	Hospital Tuanku Jaafar	Report/Enquiry	23/2/18	Report Purchase Order by Drug / Item - Sorting / Filter function inaccurate	Mr Jonathan reported why when generating Purchase Order by Drug/Item the following occurs: Sorting by eP Status does not sort completely, with some items with Pending for eP Approval being in between the eP Approved (see attached picture	wrong column used for sorting	7/3/18	
21	I- PhIS025553318S	Klinik Kesihatan Bayan Baru	Adverse Drug Reaction (ADR)	23/2/18	ADR reporting - appear message when save	Pn Lee Hui Ping reported create ADR for ID 861007386247 then when want to save appear message "please select the suspected drug	ADR - ADR No - Missing Sequence No because that missing ADR no is not suspected drug. List only	30/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						from the drug chart" . Additional information. System generate the ADR report number eventhough it not complete during save but the ADR number will not appear at ADR report screen. Example: record no 1 until 3 and 8 until 10	filter suspected drug.		
22	I-PhIS025725218S	Hospital Umum Sarawak	Manufacturing - Radiopharmaceutical	26/2/18	Radiopharma Preparation - Unable to reserve activity - Order Details not tally	Miss Lau reported unable to reserve activity due to batch no not appear and wrong date in Order Details. Kindly refer attachment provided. She inform supposed date is 29/1/2017. But system appear as 26/2/2018.	In Order Detail screen, Ordered Date field wrongly capture the date.	28/3/18	
23	I-PhIS025895118S	Hospital Jitra	Inpatient Pharmacy	27/2/18	Medication order - Appear error - taper	Pn Saw reported appear error"please contact your system administrator" at medication order screen.When user click verify. Refer file upload.This patient,user already order the drug and status ordered. Refer file upload MRN: HJT00046456 - siti nor amirah.	If there is more than 2 or more taper drugs added with same dosage and frequency then system hitting error for inpatient due to coding issue.	19/3/18	
24	I-PhIS026259218S	Hospital Pakar Sultanah Fatimah	Inpatient Pharmacy	1/3/18	Fill List - Unable to save fill list	User Pn Siti Aisyah reported unable to save fill list. User informed unable to identify which prescription because Rx. No not in full and table locked. No modification of prescription was made yet this pop up appears. Today happened to Ward 8 only. Other wards fill list successful. PhIS version 1.7.1.6	On save event fill list, system doing validation for order dose, status, etc by comparing value at front end and at Database. This issue happened due System failed to validate dosage because on comparison system do rounding with formatted to 2 decimal places value at SQL and Java even	6/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
							dosage is up to 3 or 4 decimal (e.g 0.125 ~ 0.13).		
25	I-PhIS026223118S	Hospital Banting	Pharmacy Inventory	1/3/18	RO Approval - System Calculate Estimated Amount by CF even though qty is in SKU	User reported unable to approve to order due to user notice Estimated Unit Price become a billion. When user entered qty, the amount become more than that. RO number: RO18000009 Login ID: 870611105098	estimated unit price calculation handled wrongly(unit price*cf)	13/3/18	
26	I-PhIS026767218S	Hospital Sultanah Aminah	Clinical Pharmacokinetic Services (CPS) & TDM	6/3/18	TDM Report - Request to change format for Actual sampling date	User request at TDM report, the "actual sampling date" displayed in format DD/MM/YYYY instead of MM/DD/YYYY. Refer user attachment for further reference. Purpose: - Currently format for "Actual Sampling Date" displayed as MM/DD/YYYY which can be confusing user thus might lead to misinterpretation of sampling time From Email. the "Actual Sampling Date" is displayed in MM/DD/YYYY format instead of the conventional DD/MM/YYYY. I hope that the date format can be changed to the conventional format as it can be confusing for us thus might lead to misinterpretation of sampling time.	date format not handled properly in report level	30/3/18	
27	I-PhIS026919218S	Hospital Kota Marudu	Outpatient Pharmacy	6/3/18	SPUB - Error with SPUB Out Form	Emailed from user "When we are sending SPUB out, we experience some system error in the format (as show below). The "tarikh akan datang" & "No rujukan FPL" is overlapping. We tried with	Issue happens due to not enough space for prescription number.	28/3/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						different patients and also at different PHIS computer and the result is the same. " ID Patient: 610910125514			

Verified and Acknowledged By:

Signature: \_\_\_\_\_ Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Designation: \_\_\_\_\_

## 4 Refinement List – Detail Changes

### 4.1 TDM – External TDM

CR No	Module	Function	Description
R170027	Clinical Pharmacokinetic Services (CPS) & TDM	External TDM	1) To add 'Others' in Id Type during TDM External registration 2) To display remarks in the report printing

#### 1. Add Other

The screenshot shows the 'EXTERNAL TDM REGISTRATION' form. The 'ID Type' dropdown menu is open, displaying a list of options: Birth Certificate, Driving License, Father IC, Military Card Number, Mother IC, Mykad, Mykid, Old IC, Others (highlighted in red), Passport, Pension Card, Police Card Number, and Work Permit. The form fields include External MRN, External Facility, Others Facility, Date of Birth (02/04/2018), Patient Name, Patient ID Number, and Gender.

#### 2. Display Remarks

The screenshot shows the 'EXTERNAL TDM RESULTING' interface. A table lists TDM results with columns: External TDM No, External Facility, Patient Name, Patient ID Number, Status, and Online. A modal window for 'EXTERNAL TDM REGISTRATION' is overlaid on the table, showing the form fields for registration, including External MRN, External Facility, Others Facility, Date of Birth (21/03/2018), Patient Name, Patient ID Number, ID Type, and Gender.

External TDM No	External Facility	Patient Name	Patient ID Number	Status	Online
EXTDM0000011	Klinik Kesihatan Bandar Miri	SUMBANG AK ENSERIBAN	KKE13012800002835	Resulted	YES
EXTDM0000029	Hospital Marudi	ISAH BT SERAH	HMRD00005453	Rejected	YES
EXTDM0000079	Klinik Kesihatan Bandar Miri	CHAI SIN JOON	KKE13012800002157	Resulted	YES
EXTDM00000131	Klinik Kesihatan Lawas	Julahi Bakar	KKE13009600001927	Resulted	YES
EXTDM00000135	Klinik Kesihatan Tudan	HIEW SUK HO	KKE13022500019020	Resulted	YES
EXTDM00000160	Hospital Limbang	MOHD AMIERUL IQMAL BIN IRWAN	HLBG0009853	Resulted	YES
EXTDM00000168	Hospital Marudi	JAVIER DAVE INBAP	HMRD00000836	Recorded	YES
EXTDM00000179	Klinik Kesihatan Lawas	PALONG BARU	KKE13009600005443	Resulted	YES
EXTDM00000186	Klinik Kesihatan Lawas	MOHD NOR EQMAL HAKIM	KKE13009600001992	Resulted	NO



**EXTERNAL TDM RESULTING**

External TDM No : EXTDM00000192

**Patient Details**  
 External MRN : HSIBU00306311      Patient Name : AMELINA JAWAI ANAK KEMI      Patient ID Number : 160910130780      External Facility : Hospital Sibul

**Delivery Details**  
 Sample Sent By :       Sample Sent Date/Time :    
 Sample Received By :       Sample Received Date/Time :

**Drug Details**  
 TDM Drug :       Sampling Type :  **+ Add**

Drug Name	Sample Type	Result Value	UOM	Lab Based	Toxic	Status	Delete	Reject
Paracetamol 500 mg Tablet	Random	2.156	mcmol/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Recorded	<input type="checkbox"/>	<input type="checkbox"/>

Prepared By : FLOVIA ANAK NAYEN

Remarks : **OUTSOURCE**

Save Confirm

**MINISTRY OF HEALTH, MALAYSIA**  
 Hospital Miri  
 External TDM Resulting

**Patient Name** : AMELINA JAWAI ANAK KEMI      **Patient ID** : 160910130780  
**Age** : 26Y 05D      **MRN** : HSIBU00306311  
**Gender** : Female      **Sample Sent** :  
**External Facility** : Hospital Sibul      **Sample Received** :  
**External TDM No** : EXTDM00000192

NO.	Drug Name	Sample Type	Result Value	UOM
1	Paracetamol 500 mg Tablet	RANDOM	2.156	mcmol/L

**Remarks:**  
**OUTSOURCE**

**Resulted By** : FLOVIA ANAK NAYEN  
**Designation** : PF  
**Department** : Pharmacy

Page 1 of 1

## 4.2 Administration – Item/Product Buffer Level

CR No	Module	Function	Description
R170007	General Module	Item/Product Buffer Level	1) Display item default's packaging description in Item/Product Buffer Level screen for user to update Buffer Level/Min Storage/Max Storage

**MAIN STORE BUFFER LEVEL**

**DRUG/NON DRUG DETAILS**

Item Group	DRUG	Item Purchase Type	LP
Drug/Non-Drug Code	A02BC03000C1001	Drug/Non Drug Name	Lansoprazole 30 mg Capsule
Default Vote Code	151001/010700/27401/99	Item Default	A02BC03000C1001.03
Default Vote Description	Obstetrik Dan Ginekologi (Ubat dan dadah)	Packaging Description	pack of 100 capsule
Budget Type	Operating	Status	Active
Min Storage Qty (SKU)	1 capsule	Max Storage Qty (SKU)	1,111 capsule
Min Issue Qty (SKU)	1 capsule	Max Order Qty (SKU)	1 capsule
Buffer Level Qty (SKU)	1 capsule		

**ITEM INFORMATION**

Item Purchase Type	LP	Last Purchase Price(RM)	0.0000
Item Code	A02BC03000C1001.03	Item Average Price (SKU)(RM)	0.8347
Item Description	Lansoprazole 30 mg Capsule	Item Average Price (PKU)(RM)	83.4700
Item Status	Active	Drug Average Price (SKU)(RM)	0.7572
HQ Status	Active	<input type="radio"/> Default Item <input type="radio"/> Alternate Item <input checked="" type="radio"/> Standard <input type="radio"/> Non-Standard *	
SKU	capsule	Purchase Flag	<input type="radio"/> Yes <input checked="" type="radio"/> No
SKU Description	capsule	Issue	<input type="radio"/> Yes <input checked="" type="radio"/> No
PKU	pck	Store Location	
PKU Description	pack	<input type="checkbox"/> Repack <input type="checkbox"/> Manufactured Item <input checked="" type="checkbox"/> Ready to Dispense	
Conversion Factor	100	Min Order Qty	1
Packaging Description	pack of 100 capsule	Remarks	
Vaccine Item	<input type="checkbox"/>	Emergency Item	<input type="checkbox"/>
UNSPSC Item Code		Alternate UOM	



Purchase Order is allowed to add contract item which is last day of the contract.

**PURCHASE ORDER**

**PURCHASE ORDER DETAILS**

AP Purchase Order | LP Purchase Order | **Contract Purchase Order**

Order No: [Redacted] Financial Year: 2017  
Request Type: Contract Total Order Amount (RM): 0.00  
KKM Code Contract Ref No: KKM-102/2017/F(U)-2NDNEWCONTRACT Revision No: 1  
Supplier Name: PHARMANIAGA LOGISTIC SDN.BHD. Order Date: 03/08/2017 02:10:17 PM  
Delivery Site To Name: Hospital Pakar Sultanah Fatimah Muar Effective End Date: 03/08/2017 12:00:00 AM  
Order Status: Open Created By: Stephanie Chow Siew Fern  
Remark: eP Status: Reason:

**PURCHASE ORDER DETAILS**

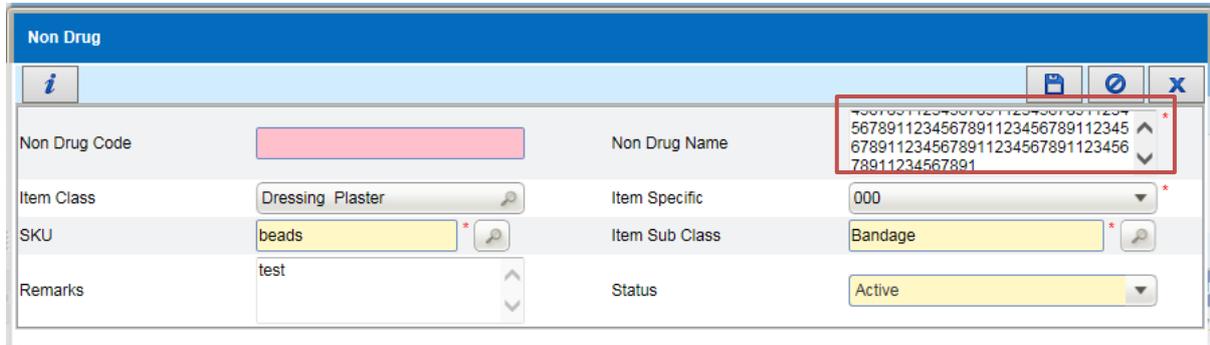
1 / 1

Item Code	Item Description	PKU	Packaging Description	Brand	Manufacturer	Ordered Quantity	Vote Code	Usage & Issue	Unit Price (RM)	Amount (RM)
B03XA01000P5002a.01	Erythropoietin Alfa 2000 IU Inj	pck	pack of 6 prefilled syringe	EPREX	Janssen Cilag	0	090401/031500/27401/99 Nefrologi (Ubat) Operating	360	120 0000	0.00

### 4.3 Administration – Non Drug and Item Master

CR No	Module	Function	Description
R170001	General Module	Non-Drug Master	To increase character to 200 for non drug name & item description

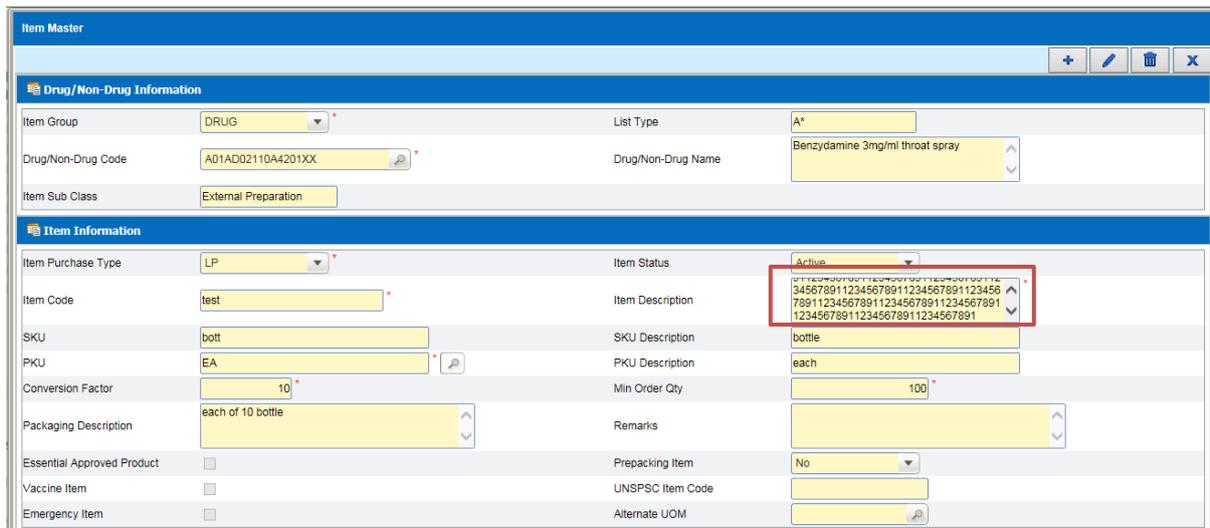
#### Non Drug Master



The screenshot shows the 'Non Drug' form with the following fields:

- Non Drug Code:** [Empty]
- Non Drug Name:** [Dropdown menu with options: 5678911234567891123456789112345, 6789112345678911234567891123456, 78911234567891]
- Item Class:** Dressing Plaster
- Item Specific:** 000
- SKU:** beads
- Item Sub Class:** Bandage
- Remarks:** test
- Status:** Active

#### Item Master



The screenshot shows the 'Item Master' form with the following sections and fields:

- Drug/Non-Drug Information:**
  - Item Group: DRUG
  - List Type: A\*
  - Drug/Non-Drug Code: A01AD02110A4201XX
  - Drug/Non-Drug Name: Benzydamine 3mg/ml throat spray
  - Item Sub Class: External Preparation
- Item Information:**
  - Item Purchase Type: LP
  - Item Status: Active
  - Item Code: test
  - Item Description: [Dropdown menu with options: 3456789112345678911234567891123456, 7891123456789112345678911234567891, 123456789112345678911234567891]
  - SKU: bott
  - SKU Description: bottle
  - PKU: EA
  - PKU Description: each
  - Conversion Factor: 10
  - Min Order Qty: 100
  - Packaging Description: each of 10 bottle
  - Remarks: [Empty]
  - Essential Approved Product:
  - Prepacking Item: No
  - Vaccine Item:
  - UNSPSC Item Code: [Empty]
  - Emergency Item:
  - Alternate UOM: [Empty]



### 4.4 Manufacturing PN – PN Order

CR No	Module	Function	Description
R170202	Manufacturing - PN	PN Order (Compounded & Commercial Additive) - Rename	Rename 'multivitamin' to 'Combine vitamin (fat & water soluble)' -> Applicable to Medication Order, Record Prescription, Intervention, Manage Order, Worksheet

#### Commercial additive PN order/Manage Prescription/Intervention

PN COMPONENT			
Electrolytes	Initial Content	Additional Requirement	Total Per Day
Sodium(Natrium),Na+	<input type="text" value="50"/> mmol	<input type="text" value="11"/> mmol	<input type="text" value="61"/> mmol
Potassium(Kalium),K+	<input type="text" value="30"/> mmol	<input type="text"/> mmol	<input type="text" value="30"/> mmol
Calcium,Ca2+	<input type="text" value="3"/> mmol	<input type="text"/> mmol	<input type="text" value="3"/> mmol
Magnesium,Mg+	<input type="text" value="3"/> mmol	<input type="text"/> mmol	<input type="text" value="3"/> mmol
Phosphate,(PO4)2-	<input type="text" value="7.5"/> mmol	<input type="text"/> mmol	<input type="text" value="7.5"/> mmol
Acetate(CH3COO)	<input type="text" value="40"/> mmol	<input type="text"/> mmol	<input type="text" value="40"/> mmol
Trace elements	<input type="text" value="0"/> ml	<input type="text"/> ml	<input type="text" value="0"/> ml
L-Glutamin	<input type="text" value="0"/> ml	<input type="text"/> ml	<input type="text" value="0"/> ml
Vitamin	<input type="radio"/> Single Vitamin <input checked="" type="radio"/> <b>Combine Vitamin</b>		
<b>Water and Fat Soluble</b>	<input type="text" value="0"/> ml	<input type="text" value="1"/> ml	<input type="text" value="1"/> ml

#### Refresh Prescription

PRESCRIPTION									
Drug Name	Total Volume (ml)	Total calorie (kcal)	Infusion Over (hour)	Quantity	Freq	Duration	Start date	End date	
Nutriflex Lipid Peri Additive	1250	955	24	1 bag	OD (once daily)	1 Days	11/01/2018 05:00 PM	12/01/2018 05:00 PM	
Phosphate (mmol)	Sodium (mmol)	Potassium (mmol)	Calcium (mmol)	Magnesium (mmol)	Acetate (mmol)	Trace Element (ml)	Fat Soluble Vit. (ml)	Water Soluble Vit. (ml)	<b>Combine Vitamin (ml)</b>
N/A	N/A	33	N/A	N/A	N/A	N/A	N/A	N/A	
L-Glutamin, (ml)			Calorie Calculator			Infusion Line			
N/A			NA			Central			



Print Prescription

**Ministry Of Health, Malaysia**  
**Hospital Pakar Sultanah Fatimah, Muar**  
**PARENTERAL NUTRITION**

<b>Patient Name:</b>	TIPAH BINTI IBRAHIM	<b>Patient ID:</b>	410621015208
<b>Age:</b>	76 Years 06 Months 06 Days	<b>MRN:</b>	HPSF00030546
<b>Gender:</b>	Female	<b>Prescription :</b>	90000937901
<b>Height / Weight / BSA:</b>	167 cm/66 kg/1.77 m <sup>2</sup>	<b>Order Date / Time :</b>	27/12/2017 10:30 AM
<b>Room No / Bed:</b>		<b>Location:</b>	WAD 9 (MED - P)
<b>Diagnosis:</b>	af 2 sepsis	<b>Allergy:</b>	

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<b>TPN Order:</b>	Nutriflex Lipid Peri 955kcal,1.25L With additive	<b>Order Quantity:</b>	1 bag
<b>Start Date/Time:</b>	27/12/2017 05:00 PM	<b>End Date/Time:</b>	28/12/2017 05:00 PM

	Additional Requirement	Content/bag	Content/kg
Volume (ml)	NA	1250	18.94
Calorie (kCal)	NA	955	14.47
Protein (g)	NA	40	0.61
Carbohydrate (g)	NA	80	1.21
Lipid (g)	NA	50	0.76
Sodium (mmol)	11	61	0.92
Potassium (mmol)	NA	30	0.45
Calcium (mmol)	NA	3	0.05
Magnesium (mmol)	NA	3	0.05
Phosphate (mmol)	NA	7.5	0.11
Chloride (mmol)	NA	48	0.73
Acetate (mmol)	NA	40	0.61
Trace Element (ml)	NA	NA	NA
Combine Vitamin (ml)	1	1	0.02
Water Soluble Vitamin (ml)	NA	NA	NA
Fat Soluble Vitamin (ml)	NA	NA	NA
Glutamin (ml)	NA	NA	NA

<b>Infusion Over:</b>	24 hr	<b>Infusion Rate:</b>	52.08 ml/hr
<b>Prescriber:</b>	Dr Priya Naraynen	<b>Frequency:</b>	OD (once daily)
<b>Designation:</b>	Pegawai Perubatan	<b>Infusion Route:</b>	Central
<b>Department:</b>	General Medicine	<b>Remarks:</b>	



### Order Details

PN ORDER DETAILS										
	TIPAH BINTI IBRAHIM	Mykad 410621015208	Age 76 Years 06 Months 06 Days	Gender Female	MRN HPSF00030546					
Address	Phone And Email		Diagnosis	No known Allergies						
Upload Photo	Height 167 cm	Weight 66 kg	BMI/BSA 23.7 / 1.75 m <sup>2</sup>	(Last Updated : 14/12/2017 )			Nationality : Warganegara			
Drug Name	Total Volume (ml)	Total calorie (kcal)	Infusion Over (hour)	Infusion Rate (ml/hour)	Quantity	Freq	Duration	Start Date / Time	End Date / Time	
Nutriflex Lipid Peri 955kcal, 1.25L With Additive	1250	955	24	52.08 ml/hour	1 bag	OD (once daily)	1 Days	27/12/2017 05:00 PM	28/12/2017 05:00 PM	
Phosphate (mmol)	Sodium (mmol)	Potassium (mmol)	Calcium (mmol)	Magnesium (mmol)	Acetate (mmol)	Trace Element (ml)	Fat Soluble Vit. (ml)	Water Soluble Vit. (ml)	Combine Vitamin (ml)	
NA	61	NA	NA	NA	NA	NA	NA	NA		
L-Glutamin (ml)			Calorie Calculator				Infusion Line			
NA			NA				Central			
Intervention Reason			Intervention Remarks				Intervention Accepted			

### Prepared Worksheet

PREPARE WORKSHEET													
DETAIL											Intervention	<input checked="" type="checkbox"/> Auto Allocation	X
<b>Macronutrient</b>	Glucose	<input type="text" value="0"/> g	<b>Vitamin</b>	Vitamin Solution	<input type="text" value="1"/> ml	<b>Trace elements</b>	<input type="text" value="0"/> ml						
	Lipid	<input type="text" value="0"/> g		Water soluble	<input type="text" value="0"/> ml		Acetate	<input type="text" value="0"/> mmol					
	Protein	<input type="text" value="0"/> g		Fat soluble	<input type="text" value="0"/> ml		L-Glutamin	<input type="text" value="0"/> ml					
<b>Electrolytes</b>	Sodium(Natrium),Na+	<input type="text" value="0"/> mmol		Calcium,Ca2+	<input type="text" value="0"/> mmol		Phosphate,(PO4)2-	<input type="text" value="0"/> mmol					
	Potassium(Kalium),K+	<input type="text" value="3"/> mmol		Magnesium,Mg+	<input type="text" value="0"/> mmol								
Drug selected	Volume (ml)	Order Quantity	Allocated Quantity	Calorie (kcal)	Osmolarity (mOsmol)	Acetate (mmol)	Phosphate (mmol)	Sodium (mmol)	Potassium (mmol)	Calcium (mmol)	Magnesium (mmol)	Chloride (mmol)	
	0	0	0	0	0	0	0	0	0	0	0	0	
Potassium Chloride 1g/10ml Injection	2.24	1 amp	0	0	6.05	0	0	0	3	0	0	3	
Vitamin A, B, C, D, E (Cernevit) 5ml, Inj	1	1 vial	0	0	0.31	Combine Vitamin (Water & Fat Soluble)							
	0	0	0	0	0	Water Soluble Vitamins							
	0	0	0	0	0	Fat Soluble Vitamins							
	0	0	0	0	0	L-Glutamin							
<b>Total Preparation</b>	<b>3.24</b>				<b>1962.96 mOsmol/L</b>	0	0	0	3	0	0	3	

### Compounded

#### PN Order/Manage Prescription/Intervention

<b>Electrolytes</b>			
Sodium (Natrium),Na+	<input type="text" value="0"/> mmol/kg	<input type="text" value="1.00 - 2.00"/> mmol/kg	<input type="text" value="0"/> mmol
Potassium (Kalium),K+	<input type="text" value="0"/> mmol/kg	<input type="text" value="0.70 - 1.50"/> mmol/kg	<input type="text" value="0"/> mmol
Calcium,Ca2+	<input type="text" value="0"/> mmol/kg	<input type="text" value="0.10 - 0.15"/> mmol/kg	<input type="text" value="0"/> mmol
Magnesium,Mg+	<input type="text" value="0"/> mmol/kg	<input type="text" value="0.05 - 0.15"/> mmol/kg	<input type="text" value="0"/> mmol
Phosphate,(PO4)2-	<input type="text" value="0"/> mmol/kg	<input type="text" value="0.50 - 0.70"/> mmol/kg	<input type="text" value="0"/> mmol
Chloride,Cl+	<input type="text" value="0"/> mmol/kg	<input type="text" value="1.30 - 2.00"/> mmol/kg	<input type="text" value="0"/> mmol
Acetate(CH3COO)	<input type="text" value="0"/> mmol/kg	<input type="text" value="0.00 - 0.00"/> mmol/kg	<input type="text" value="0"/> mmol
<b>Trace elements</b>	<input type="text" value="0"/> ml/kg	<input type="text" value="0.00 - 10.00"/> ml	<input type="text" value="0"/> ml
<b>Vitamin</b>			
<input type="radio"/> Single Vitamin			
<input checked="" type="radio"/> Combine Vitamin			
Water and Fat Soluble	<input type="text" value="0.02"/> ml/kg	<input type="text" value="0.00 - 10.00"/> ml	<input type="text" value="1"/> ml



### Refresh Prescription

PRESCRIPTION									
Drug Name	Total Volume ml per kg (ml)	Total calorie kcal per kg (kcal)	Infusion Over (hour)	Quantity	Freq	Duration	Start date	End date	
PN Compounded Adult	100 (500)	12 (60)		24 1 BAG	OD	1 Days	11/01/2018 05:00 PM	12/01/2018 05:00 PM	
Phosphate mmol per kg (mmol)	Sodium mmol per kg (mmol)	Potassium mmol per kg (mmol)	Calcium mmol per kg (mmol)	Magnesium mmol per kg (mmol)	Acetate mmol per kg (mmol)	Trace Element ml per kg (ml)	Fat Soluble Vit. ml per kg (ml)	Water Soluble Vit. ml per kg (ml)	Combine Vitamin ml per kg (ml)
NA	NA	1 (5)	NA	NA	NA	NA	NA	NA	0.4 (2)
Protein g per kg (g)	Carbohydrate g per kg (g)	Carbohydrate %	Lipid g per kg (g)	L-Glutamin ml per kg (ml)	Calorie Calculator	Infusion Line			
NA	3 (15)	NA	NA	NA	NA	Central			

### Print Prescription

**Ministry Of Health, Malaysia**  
**Hospital Pakar Sultanah Fatimah, Muar**  
**PARENTERAL NUTRITION**

**Patient Name:** TIPAH BINTI IBRAHIM      **Patient ID:** 410621015208

**Age:** 76 Years 06 Months 06 Days      **MRN:** HPSF00030546

**Gender:** Female      **Prescription :** 90000937903

**Height / Weight /** 167 cm/66 kg/1.77 m<sup>2</sup>      **Order Date / Time** 27/12/2017 10:38 AM

**Room No / Bed:**      **Location:** WAD 9 (MED - P)

**Diagnosis:** af 2 sepsis      **Allergy:**

---

**TPN Order:** PN Compounded Adult      **Order** 1 bag

**Start** 27/12/2017 05:00 PM      **End** 28/12/2017 05:00 PM

	Content / kg	Content / bag
Volume (ml)	42.73	2820
Calorie (kCal)	80	5280
Protein (g)	1	66
Carbohydrate (g)	1	66
Lipid (g)	1	66
Sodium (mmol)	NA	NA
Potassium (mmol)	NA	NA
Calcium (mmol)	NA	NA
Magnesium (mmol)	NA	NA
Phosphate (mmol)	NA	NA
Chloride (mmol)	NA	NA
Acetate (mmol)	NA	NA
Trace Element (ml)	NA	NA
Combine Vitamin (ml)	0.02	1
Water Soluble Vitamin (ml)	NA	NA
Fat Soluble Vitamin (ml)	NA	NA
L-Glutamin (ml)	NA	NA

**Infusion Over:** 24 hr      **Frequency:** OD

**Prescriber:** Dr Priya Naraynen      **Infusion Route:** Central

**Designation:** Pegawai Perubatan      **Remarks:**

**Department:** General Medicine



Order Details

**PN ORDER DETAILS**

**TIPAH BINTI IBRAHIM** Mykad 410621015208 Age 76 Years 06 Months 20 Days Gender Female M/RV HPSF00030546

Address Phone And Email Diagnosis No known Allergies

Height 167 cm Weight 66 kg BMI/BSA 23.7 / 1.75 m<sup>2</sup> (Last Updated : 14/12/2017 ) Nationality : Warganegara

Drug Name	Total Volume ml per kg (ml)	Total calorie kcal per kg (kcal)	Infusion Over (hour)	Infusion Rate (ml/hour)	Quantity	Freq	Duration	Start Date / Time	End Date / Time
PN Compounded Adult	42.73 (2820)	0 (NA)	24	NA	1 BAG	OD	1 Days	11/01/2018 05:00 PM	12/01/2018 05:00 PM
Phosphate mmol per kg (mmol)	Sodium mmol per kg (mmol)	Potassium mmol per kg (mmol)	Calcium mmol per kg (mmol)	Magnesium mmol per kg (mmol)	Acetate mmol per kg (mmol)	Trace Element ml per kg (ml)	Fat Soluble V.it. ml per kg (ml)	Water Soluble V.it. ml per kg (ml)	Combine Vitamin ml per kg (ml)
NA	1 (66)	2 (132)	NA	NA	NA	NA	NA	NA	0.06 (4)
L-Glutamin ml per kg (ml)	Protein g per kg (g)	Carbohydrate g per kg (g)	Lipid g per kg (g)	Calorie Calculator	Infusion Line	NA	NA	Central	NA
Intervention Reason	Intervention Remarks			Intervention Accepted					

Prepared Worksheet

**PREPARE WORKSHEET** Intervention  Auto Allocation

**DETAIL**

TPN volume 2820 ml Energy required 0 kcal Product category 3 in 1 2 in 1

Macronutrient  
 Glucose 0 g Vitamin Vitamin Solution 4 ml Trace elements ml  
 Lipid 0 g Water soluble ml Acetate 0 mmol  
 Protein 0 g Fat soluble ml L-Glutamin ml

Electrolytes  
 Sodium(Natrium),Na+ 66 mmol Calcium,Ca2+ 0 mmol Phosphate (PO4)2- 0 mmol  
 Potassium(Kalium),K+ 132 mmol Magnesium,Mg+ 0 mmol

Drug selected	Volume (ml)	Order Quantity	Allocated Quantity	Calorie (kcal)	Osmolality (mOsmol)	Lipid (g)	Glucose (g)	Protein (g)	Acetate (mmol)	Phosphate (mmol)	Sodium (mmol)	Potassium (mmol)	Calcium (mmol)	Magnesium (mmol)	Chloride (mmol)
Dextrose 50% IV soln 500ml	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium Acetate 2mmol/ml Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potassium Dihydrogen Phosphate Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium Chloride 20% Inj	0	0	0	0	0	0	0	0	0	0	66	0	0	0	0
Potassium Chloride 1g/10ml Injection	0	0	0	0	0	0	0	0	0	0	0	132	0	0	0
Calcium Gluconate 10% Injection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Magnesium Sulphate 50% Injection (49.33/5mL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	Trace Elements									
Vitamin A, B, C, D, E (Ceremvit) 5ml Inj	4	0	0	0	0	Combine Vitamin (Water & Fat Soluble)									
Vitamin B and C (Solvit N) 10 ml Inj	0	0	0	0	0	Water Soluble vitamins									
	0	0	0	0	0	Fat Soluble Vitamins									
	0	0	0	0	0	L-Glutamin									
Sterile Water for Injection 500ml	0	0	0	0	0	Water For Injection									



### 4.5 Order Management – Medication Order

CR No	Module	Function	Description
R170193	Order Management - Web	Medication Order - sort frequency in alphabetical order	In medication order / record prescription , the drop down of frequency is to sort in alphabetical order.

#### Medication Order – Full base

**MEDICATION ORDER**

Patient: **HASNIM BIN ROSLAN** Mykad: 950925017613 Age: 22 Years 02 Months 19 Days Gender: Male MRN: HPSF00114118

Address: Phone And Email: Diagnosis: No known Allergies

Height: cm Weight: kg BMI/BSA: 0/0 m<sup>2</sup> Update (Last Updated: ) Nationality: Warganegara

Encounter No: 0222 Visit Date: 14/12/2017 Attending Practitioner: Visit Location: KLINIK PAKAR PERUBATAN

**NORMAL ORDER**

**DRUG DETAILS** View Order Confirm Draft

Drug: Prednisolone 5 mg Tablet Advanced Search

Dosage: 5 mg

Admin Route: Oral

Frequency: **OD (once daily)** Dosage Schedule

Duration: BD on Sun, Tue, Thurs; BD on Tue, Thurs, Sat; BD (twice daily); EOD; Mon-Sat weekly; OD Mon, Wed, Fri, Sun

Start Date / Time: OD (once daily); OD on Mon, Wed, Fri; OD on Tue, Thur, Sat; Once a week; QID (4 times a day); Single Dose

End Date / Time: STAT

Order Quantity: [input]

Drug Indication: [input]

Drug Remarks: [input]

Drug Category: [input]

Dispense Location: UNIT FARMASI KLINIK PAKAR

+ Add Modify Clear

#### Record Prescription – Pharmacy base

**MEDICATION ORDER**

Select Registered Patient: All HKLM00084831 Dispensing Location: Farmasi Klinik Pakar - Rx Filling New Patient

Patient: **AZZAH AHMAD** Mykad: 610111025182 Age: 56 Years 11 Months 03 Days Gender: Female MRN: HKLM00084831

Address: Phone And Email: Diagnosis: No known Allergies

Height: cm Weight: kg BMI/BSA: 0/0 m<sup>2</sup> Update (Last Updated: ) Nationality: Warganegara

Lab Parameter | Counselling History | Demographic | Pharmacist Notes | Medication Profile | Other Appointment

**VISIT/ADMISSION**

Encounter No: 0016 Visit Type: Outpatient Location: Klinik Pakar 3 (Medical & Dermatolog) Department: General Medicine

Breast Feeding: [input] Pregnant: [input] Week: [input]

**VISIT RECORD**

Queue Series: Normal Queue No: [input] Original Prescription Serial Number: 435455 \*Clinic TCA

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

Original Prescriber Name: DR. PERUBATAN1 Advanced Search

Drug: Tramadol HCl 50 mg Capsule

Dosage: 50 mg

Admin Route: [input]

Frequency: **BD (twice daily)** Dosage Schedule

Duration: OD D1-D3 monthly; OD D1-D5 Monthly; OD (once daily); ON (every night); ON PRN; PRN

Start Date / Time: Q4H; QID (4 times a day); QID PRN; STAT

End Date / Time: TDS (3 times a day)

Order Quantity: [input]



### Discharge Medication

**DISCHARGE MEDICATION**

MUHAMMAD HIDIR BIN MOHD YUSOFF Mykad 010322010893 Age 16 Years 08 Months 23 Days Gender Male MRN HPSF00178087

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m<sup>2</sup> Update (Last Updated: ) Nationality: Warganegara

Encounter No: 0158 Admission Date: 12/12/2017 Attending Practitioner: Dr. Ho Kim Wah Visit Location: WAD 4 (SURG - L)

**VISIT RECORD**

**NORMAL ORDER**

**DRUG DETAILS** View Order Confirm Draft

Alert	Drug Name	Order Details	Order Qty	Drug Info
	Rantidine 150 mg Tablet			

**Drug Details:**

- Drug: Rantidine 150 mg Tablet
- Dosage: BD PRN
- Admin Route: BD (twice daily)
- Frequency: HS (at bedtime)
- Duration: OD on Mon, Wed, Fri
- Start Date / Time: Once a week
- End Date / Time: PRN
- Order Quantity: TDS (3 times a day)
- Drug Indication: TDS PRN
- Drug Category: B
- Dispense Location: UNIT FARMASI KLINIK PAKAR

**Options:**

- with STAT
- Own Medication
- Patient Require Counselling

### 4.6 Order Management – Medication Order

CR No	Module	Function	Description
R170199	Order Management - Web	Medication Order - Request cursor auto select at Original Prescription Serial Number field	Default the cursor to Original Prescription Serial Number when first time create the order

The screenshot shows the 'MEDICATION ORDER' form. At the top, there are dropdown menus for 'Select Registered Patient' (set to 'All') and 'Dispensing Location' (set to 'Farmasi Klinik Pakar - Rx Filling'). A red box highlights the 'Original Prescription Serial Number' input field, which is currently empty.

This screenshot shows the patient details section of the 'MEDICATION ORDER' form. The patient is OTHMAN BIN ISMAIL, Mykad 360426075261, Age 81 Years 08 Months 12 Days, Gender Male, MRN HKLM00099367. Below this is the 'VISIT/ADMISSION' section with Encounter No 0012, Visit Type Outpatient, Location Klinik Pakar 3 (Medical & Dermatology), and Department General Medicine. The 'VISIT RECORD' section shows 'Original Prescription Serial Number' highlighted with a red box. The 'NORMAL ORDER - DRUG DETAILS' section includes fields for Original Prescriber Name, Drug, Dosage (0), Admin Route, and Frequency. There are also checkboxes for 'Own Medication', 'Ward Stock', 'Patient Require', and 'Counselling'. A 'Total Price: RM 0.00' is displayed.

This screenshot shows the 'MEDICATION ORDER' form with a 'CONFIRMATION' dialog box overlaid. The dialog box contains the text 'CONF0151: Are you sure you want to save?' and two buttons: 'Yes' (highlighted with a red box) and 'No'. The background form shows the same patient and visit details as the previous screenshot, with the 'Original Prescription Serial Number' field still highlighted.



### 4.7 Outpatient Pharmacy – Medication Profile

CR No	Module	Function	Description
R170192	Outpatient Pharmacy	Medication Profile - Request able to drag the drug name or use standard abbreviation	Enable user to see long drug name in Medication Profile, example for drug name : Rifampicin150mg /Isoniazid75mg /Pyrazinamide400mg /Ethambutol 275mg Tab.

**CLINICAL SUMMARY**

LOH ENG CHOON Mykad 730109015893 Age 44 Years 11 Months 05 Days Gender Male MRN HPSF00114119

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m<sup>2</sup> (Last Updated : ) Nationality : Warganegara

**MEDICATION PROFILE**

Rx No	Drug Name	Dose	Route	Frequency	Duration	Prescribed Qty	Start Date	End Date	Status	Order By
MOPC0000937770	Enalapril 20 mg Tablet	20 mg	Oral	STAT	1 Days	1 tablet	14/12/2017 10:23:26 AM	15/12/2017 10:23:26 AM	ORDERED	Dr. Ho Kim Wah
MOPC0000937770	Enalapril 20 mg Tablet	20 mg	Oral	OD (once daily)	5 Days	5 tablet	14/12/2017 10:23:26 AM	19/12/2017 10:23:26 AM	ORDERED	Dr. Ho Kim Wah
MOPC0000937770	Loraldine 5 mg and Pseudoephedrine Sulphate 120 mg Tablet	1 tablet	Oral	BD (twice daily)	5 Days	10 tablet	14/12/2017 10:23:15 AM	19/12/2017 10:23:15 AM	ORDERED	Dr. Ho Kim Wah
MOPC0000937770	Aprepitant 125mg Capsule	125 mg	Oral	STAT	1 Days	1 capsule	14/12/2017 10:22:59 AM	15/12/2017 10:22:59 AM	ORDERED	Dr. Ho Kim Wah
MOPC0000937769	Rifampicin150mg /Isoniazid75mg /Pyrazinamide400mg /Ethambutol 275mg Tab	1 tablet	Oral	OD (once daily)	5 Days	5 tablet	14/12/2017 10:21:35 AM	19/12/2017 10:21:35 AM	ORDERED	Dr. Ho Kim Wah

**MEDICATION PROFILE**

LOH ENG CHOON Mykad 730109015893 Age 44 Years 11 Months 05 Days Gender Male MRN HPSF00114119

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m<sup>2</sup> (Last Updated : ) Nationality : Warganegara

Drug Name Visit Type All

Prescription Date From Prescription Date To

Prescription Status All Location

Order Type Normal Search

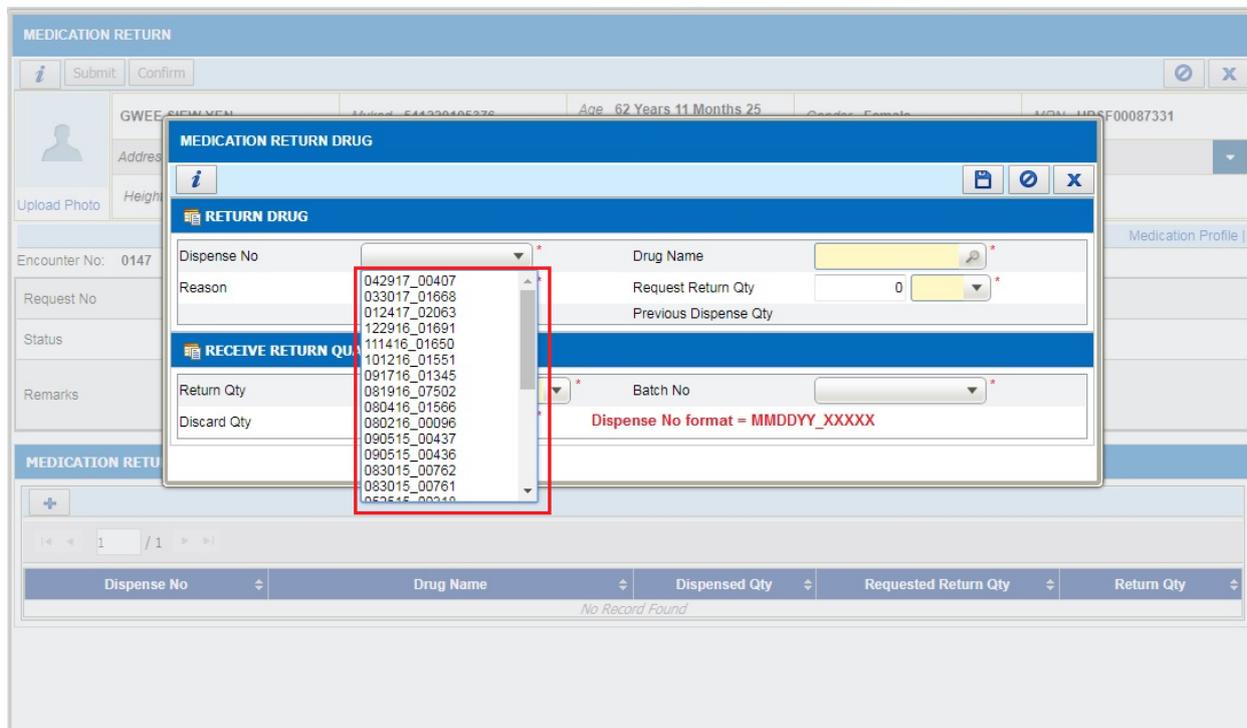
**Current Medication**

Rx No.	Discharge Medication	Drug Name	Dose	Route	Frequency	Duration	Start Date	End Date	Status
MOPC0000937770	No	Enalapril 20 mg Tablet	20 mg	Oral	STAT	1 Days	14/12/2017 10:23:26 AM	15/12/2017 10:23:26 AM	ORDERED
MOPC0000937770	No	Enalapril 20 mg Tablet	20 mg	Oral	OD (once daily)	5 Days	14/12/2017 10:23:26 AM	19/12/2017 10:23:26 AM	ORDERED
MOPC0000937770	No	Loraldine 5 mg and Pseudoephedrine Sulphate 120 mg Tablet	1 tablet	Oral	BD (twice daily)	5 Days	14/12/2017 10:23:15 AM	19/12/2017 10:23:15 AM	ORDERED
MOPC0000937770	No	Aprepitant 125mg Capsule	125 mg	Oral	STAT	1 Days	14/12/2017 10:22:59 AM	15/12/2017 10:22:59 AM	ORDERED
MOPC0000937769	No	Rifampicin150mg /Isoniazid75mg /Pyrazinamide400mg /Ethambutol 275mg Tab	1 tablet	Oral	OD (once daily)	5 Days	14/12/2017 10:21:35 AM	19/12/2017 10:21:35 AM	ORDERED

**Previous Medication**

### 4.8 Outpatient Pharmacy – Medication Return

CR No	Module	Function	Description
R170198	Outpatient Pharmacy	Medication Return - Dispense No not sort by date	To sort Dispense No in descending order. (latest record will be on top)



**MEDICATION RETURN DRUG**

Encounter No: 0147

Request No

Status

Remarks

Dispense No: [Dropdown Menu]

Reason

Return Qty

Discard Qty

Drug Name

Request Return Qty: 0

Previous Dispense Qty

Batch No

Dispense No format = MMDDYY\_XXXXX

Dispense No	Drug Name	Dispensed Qty	Requested Return Qty	Return Qty
No Record Found				



### 4.9 Pharmacy Inventory – Purchase Order

CR No	Module	Function	Description
R170200	Pharmacy Inventory	Purchase Order - To exclude prepacking item from APPL validation	Not to include Prepacking Item in APPL – LP PO validation. To allow save LP – PO record if there is only APPL item which specified as Prepacking Item set as Active.

**DRUG/NON DRUG CATALOGUE**

Drug/Non Drug Code: A01AB09000G3101 | Drug/Non Drug Description: Miconazole 2% Oral Gel

Facility Status: Active | Standard Status: Yes

HQ Status: Active | Item Default: A01AB09000G3101.28

Average Price In SKU (RM): 0

---

**ITEMS LIST**

APPL Prepacking item (red box) | APPL inactive item (blue box)

No	Item Type	Item Code	Item Description	SKU	PKU	Packaging Description	Facility Status	HQ Status
1	APPL	A01AB09000G3101-30	Miconazole 2% Oral Gel	g	FTU	finger tip unit of 30 gram	Inactive	Active
2	APPL	A01AB09000G3101-10	Miconazole 2% Oral Gel	g	FTU	finger tip unit of 10 gram	Inactive	Active
3	APPL	A01AB09000G3101-100	Miconazole 2% Oral Gel	g	FTU	finger tip unit of 100 gram	Active	Active
4	APPL	A01AB09000G3101.28	Miconazole 2% Oral Gel	g	FTU	finger tip unit of 10 gram	Inactive	Active
5	LP	A01AB09000G3101.17	Miconazole 2% Oral Gel	g	IU	IU of 10 gram	Active	Active
6	LP	A01AB09000G3101.01	Miconazole 2% Oral Gel	g	pck	pack of 15 gram	Active	Active

LP Active item. Should only allow to create PO (green box)

**PURCHASE ORDER**

Item Group: DRUG | Item SubClass: [ ]

Supplier Name: 4U-TECH CORPORATION SDN. BHD. | Created Date: 20/12/2017 04:22:43 PM

Delivery Site To Name: Hospital Pakar Sultanah Fatimah MuarS@##SADasc

Order Status: Open | Created By: Mohamad Azhar bin Bahauddin

Remark: [ ] | eP Status: [ ] | Reason: [ ]

---

**PURCHASE ORDER DETAILS**

Item Code	Item Description	PKU	Packaging Description	Brand	Manufacturer	Ordered Quantity (PKU)	Vote Code	Usage & Issue Quantity	Unit Price (RM)	Amount (RM)
A01AB09000G3101.17	Miconazole 2% Oral Gel	IU	IU of 10 gram	AVODART	First Pharmaceutical	10	090401032900/27401/99 Tabung Darah (Ubat) Operating	0	20.00	200.00

---

**VOTE CODE LIST**

Vote Code	Vote Description	Budget Type	Balance Before PO (RM)	Utilized PO (RM)	Balance After PO (RM)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]



The screenshot shows the PHIS web application interface for a Purchase Order. The browser address bar displays <http://10.1.1.246:7071/nphis/pages/index.zul>. The page title is "PURCHASE ORDER". The main content area is titled "PURCHASE ORDER DETAILS" and contains a form with the following fields:

- Order No: PO17009129
- Purchase Type: Direct Purchase
- Request Type: Supplementary Order
- Item Group: DRUG
- Supplier Name: Abbvie USA
- Delivery Site To Name: Hospital Pakar Sultanah Fatimah Muar\$@##SADasc
- Order Status: Open
- Remark: (empty)
- Item SubClass: (empty)
- Created Date: 20/12/2017 04:16:23 PM
- Created By: Mohamad Azhar bin Bahauddin
- eP Status: (empty)
- Reason: (empty)

An "INFORMATION" dialog box is displayed in the center of the screen with the message: "INFO0679: Record has been saved successfully". The dialog has an "OK" button.

At the bottom of the form, there is a table with the following columns: Item Code, Item Description, PKU, Packaging Description, Brand, Manufacturer, Ordered Quantity (PKU), Vote Code, Usage & Issue Quantity, Unit Price (RM), and Amount (RM). The table currently shows 1 row.

The screenshot shows the PHIS web application interface for the same Purchase Order. The browser address bar displays <http://10.1.1.246:7071/nphis/pages/index.zul>. The page title is "PURCHASE ORDER". The main content area is titled "PURCHASE ORDER DETAILS" and contains a form with the following fields:

- Order No: PO17009129
- Purchase Type: Direct Purchase
- Request Type: Supplementary Order
- Item Group: DRUG
- Supplier Name: Abbvie USA
- Delivery Site To Name: Hospital Pakar Sultanah Fatimah Muar\$@##SADasc
- Order Status: Approved
- Remark: (empty)
- Item SubClass: (empty)
- Created Date: 20/12/2017 04:16:23 PM
- Created By: Mohamad Azhar bin Bahauddin
- eP Status: Pending for eP Approval
- Reason: (empty)

An "INFORMATION" dialog box is displayed in the center of the screen with the message: "INFO0673: Record approved successfully and Send for eP Approval". The dialog has an "OK" button.

At the bottom of the form, there is a table with the following columns: Item Code, Item Description, PKU, Packaging Description, Brand, Manufacturer, Ordered Quantity (PKU), Approved Quantity (PKU), Vote Code, Usage & Issue Quantity, Unit Price (RM), and Amount (RM). The table currently shows 1 row.



### 4.10 Report/Enquiry – Average Issue by Month

CR No	Module	Function	Description
R170209	Report/Enquiry	Average Issue by month	User request to adding UOM to choose whether the stock is in PKU or SKU. Refer attachment.

Home Average Issue By Month

**AVERAGE ISSUE BY MONTH**

Month: 3 months      Financial Year: 2018

Item Type: All      Item Group: All

Standard Item: All      Item Sub Class: All

Item Description:

Date From:

UOM: SKU  
Date To: PKU  
SKU

1 / 1

Item Code	Item Description	Packaging Description	Total Quantity Issued	Average Quantity Issued by Month
<i>No Records Found</i>				



### 4.11 Ward Pharmacy – CP1

CR No	Module	Function	Description
R180005	Ward Pharmacy	CP1 - To add Pharmacist Note	To add Pharmacist Note field and captures the value in Pharmacist Note hyperlink and clinical summary

#### 1. Add Pharmacist Note in CP1

CP1

**A: Patient Biodata**  
 Admission Date/Time: 21/09/2017 11:56:30 AM  
 Ward/Bed: testing12  
 PMHx:  
 Last Discharge/Review date: 02/10/2017

**B: Reason For Admission**  
testing1

**D: Drug History**  
 Patient's own drugs checked?

**C: Allergy & Adverse Drug Reaction**  
1. Allergy 2. ADR

**Prescription Medication** [Add Prescription Medication]

Drug Name	Original Rx No	Order Details	Balance From Previous Supply	Medication Status	Source of Medication	Comments
Dinoprostone (Prostaglandine E2) 3mg Vaginal Tablet	1P0000936363	3 mg, PRN, 4 Days, 2017-09-21 12:02:44, 078, 2017-09-25 12:02:44, 078	1 pessary	ORDERED	Hospital Pakar Sultanah Fatimah, Muar	Inpatient / 21-09-2017 / EncounterNo:1467
Testosterone undecanoate 250mg/ml injection	testosterone	testosterone	testosterone	Continue	testosterone	testosterone

**Non Prescription Medication** [Add Non Prescription Medication]

Non-Prescription Medication(Includes Herbal/Vitamin/Other Supplements)	Reason For Taking	Source of Medication	Balance/Comments
shaklee	supplement	pharmacy	10/test

**Pharmacist Note** Pharmacist notes 2.  
1961 characters allowed

#### 2. Add Pharmacist Note in CP1

| Counselling History | MTAC History | Demographic | **Pharmacist Notes** | Medication Profile |

**PHARMACIST NOTES**

Notification Date From: [ ] Notification Date To: [ ]  
 Type Of Service: CP1 [Search]

Date	Visit Location	Type of Service	Pharmacist Notes
24/10/2017	WAD 16 (HDW)	CP1	Notes: 12345.
25/10/2017	WAD 16 (HDW)	CP1	Pharmacist notes 2.
25/10/2017	WAD 16 (HDW)	CP1	No test 1234





### 4.12 Ward Pharmacy – CP1

CR No	Module	Function	Description
R160365	Ward Pharmacy	CP1	Prescription medication. To sort by date and provide the scrolling function. (Remove paging)

1. Increase number of record displayed by page. To display 10 records per page. Sort record by visit date in descending order and then by drug name in alphabetical order.
2. Allow user to select/save record from multiple page

**WARD PHARMACY**

SUZILAWATI BINTI MOHD YUSOFF Mykad 800822035364 Age 37 Years 04 Months 24 Days Gender Female MRN htmh00090188

Address Phone And Email Diagnosis No known Allergies

Height cm Weight kg BMI/BSA 0/0 m<sup>2</sup> Update (Last Updated : ) Nationality : Warganegara

Encounter No: 0157 Admission Date: 28/11/2017 Attending Practitioner: DR. MUHAMMAD AMMAR BIN ABDUL RAHMAN Visit Location: WAD 3

CP1 CP2 Daily Review Vital Sign I/O Chart Lab Parameter C&S Pharmaceutical Care Issue Drug Information CP4

Last Discharge/Review date

Prescription Medication [ 1 - 4 / 4 ]

Drug Name	Original Rx No	Order Details	Balance From Previous Supply	Medication Status	Source of Medication	Comments
Paracetamol 500 mg Tablet	WAD30000294654	1000 mg,QID PRN,7 Days,23/11/2017 03:48 PM,30/11/2017 03:48 PM	0 tablet	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 22 -11-2017 / EncounterNo:
Chlorhexidine 1 in 2000 (0.05%) in Alcohol 70%	WAD30000294654	1 app,BD (twice daily),7 Days,23/11/2017 03:48 PM,30/11/2017 03:48 PM	0 ml	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 22 -11-2017 / EncounterNo:
Pre/Post-Natal Vitamin and Mineral Capsule	WAD30000294654	1 capsule,OD (once daily),20 Days,23/11/2017 03:48 PM,13/12/2017 03:48 PM	0 capsule	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 22 -11-2017 / EncounterNo:
Acriflavine 0.1% Lotion	WAD30000294654	1 app,TDS (3 times a day),7 Days,23/11/2017 03:48 PM,30/11/2017 03:48 PM	0 ml	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 22 -11-2017 / EncounterNo:

Non Prescription Medication

**WARD PHARMACY**

CP1 CP2 Daily Review Vital Sign I/O Chart Lab Parameter C&S Pharmaceutical Care Issue Drug Information CP4

CP1

A: Patient Biodata Admission Date/Time 28/11/2017 3:55:41 PM Ward/Bed PMHx Last Discharge/Review date

B: Reason For Admission

C: Allergy & Adverse Drug Reaction 1. Allergy 2. ADR

D: Drug History  Patient's own drugs checked?

Prescription Medication [ 1 - 8 / 8 ]

Drug Name	Original Rx No	Order Details	Balance From Previous Supply	Medication Status	Source of Medication	Comments
Salbutamol 100 mcg/dose Inhaler (200 doses)	WAD40000276597	2 puff,PRN,7 Days,03/10/2017 03:46 PM,10/10/2017 03:46 PM	0 canister	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 02 -10-2017 / EncounterNo:
Fluticasone propionate 125 mcg/dose Evohaler (120doses)	WAD40000276597	1 puff,BD (twice daily),7 Days,03/10/2017 03:47 PM,10/10/2017 03:47 PM	0 canister	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 02 -10-2017 / EncounterNo:
Prednisolone 5 mg Tablet	WAD40000277207	30 mg,OD (once daily),2 Days,05/10/2017 10:47 AM,07/10/2017 10:47 AM	0 tablet	FULLY DISPENSED	Hospital Tanah Merah	Inpatient / 02 -10-2017 / EncounterNo:

## 5 Deployment - Procedures

### 5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility Script	1. PatchScripts_PhIS_v1.8.txt 2. PatchScripts_PhIS_v1.8_Functions.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/scripts
2	Facility Application	iphis_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/war
3	Facility Application	PhISSchedulers_v.1.8.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/jar
4	Facility Application	PhISService_v.1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/war
5	HQ Script	PatchScripts_IWP_v1.8.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/scripts
6	HQ Application	phishq_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/war
7	HQ Application	epservice_v1.8.war	https://10.1.1.8.12:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/war
8	HQ Application	masterRelease_V1.8.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/jar
9	Mobile Application	ipadhosp-1.8.0b20.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/Mobile
10	Mobile Application	iphismobile_user_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/Mobile



## 5.2 Backup Procedure before Deploy

### 5.2.1 Backup Procedure

Using backup tool, backup the following files and folder and database as per table below;

No.	Type	Backup Item	Description
1	Application	/home/phisesb /opt/phisesb /usr/share/fonts/truetype	PhIS Integration Application PhIS Core Application Fonts required by PhIS
2	Database	phisprod database	PhIS Live database

## 5.3 Deployment/Installation Guidelines

### 5.3.1 Deployment at Facility

Below table is described the deployment steps at Facility:

Step	Items	File Name	Source Path	Action
1	Facility Script	1. PatchScripts_PhIS_v1.8.txt 2. PatchScripts_PhIS_v1.8_Functions.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script file 1 Execute as pgScript and Script file 2 execute by high lighting one by one
2	Facility Application	iphis_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/war	Please rename the war file from iphis_v1.8.war to iphis.war then deploy.
3	Facility Application	PhISSchedulers_v.1.8.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to PhISSchedulers.jar.
4	Facility Application	PhISService_v.1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/facility/war	Please rename the war file from PhISService_v.1.8.war to PhISService.war then deploy.
5	Mobile Application	ipadhosp-1.8.0b20.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/Mobile	Rename ipadhosp-1.8.0b9.war to ipadhosp.war and deploy. - Mobile Frontend: 1.8.0r10



Step	Items	File Name	Source Path	Action
6	Mobile Application	iphismobile_user_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/Mobile	Rename iphismobile_user_v1.8.war to iphismobile_user.war and deploy.

### 5.3.2 Deployment at HQ - IWP

Below table is described the deployment steps at HQ - IWP:

Step	Items	File Name	Source Path	Action
1	HQ Script	PatchScripts_IWP_v1.8.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/scripts	Execute as Script
2	HQ Application	phishq_v1.8.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/war	Rename the war file from phishq_v1.8.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	epservice_v1.8.war	https://10.1.1.8.12:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/war	Rename the war file from epservice_v1.8.war to epservice.war then Deploy using Glassfish Administration Console
4	HQ Application	masterRelease_V1.8.jar	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.8/iwp/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to masterRelease.jar