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

Pharmacy Based

User Manual
Pharmacy Inventory (Pre-Packing)

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1.1	05/05/2014	Mohhamad Syazwan	Shamsul-'Ariza (SA)	Application Interface Changes
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1.3	30/06/2015	Jeyakanth Munisamy	Ilya Syarah (SA)	Updated to PhIS ver 1.3
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Verified and Acknowledged By:

Name	Role / Designation	Organization	Signature & Date
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Name	Role / Designation	Organization	Signature & Date
		Bahagian Perkhidmatan Farmasi (BPF), KKM	

Peer Review

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1.0	Michelle (QA) / Juridah (QA)	First submission to MOH
1.1	Michelle (QA) / Juridah (QA)	Application Interface Changes
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1.4	Michelle (QA) / Juridah (QA)	Change to latest update and screenshot version 1.4.1
1.5	Michelle (QA) / Juridah (QA)	Change to latest update and screenshot version 1.5.1

Table of Contents

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. This implementation would transform most of the current manual process to electronic system would benefit facility end user in the health care sector.

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

1. Order Management
2. Inpatient Pharmacy
3. Outpatient Pharmacy
4. Medication Counselling
5. Ward Pharmacy
6. Pharmacy Inventory
7. Manufacturing of Cytotoxic Drug Reconstitution, 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 Pharmacy Inventory (Pre-packing) sub-module and its key features and functionalities. The primary objective is to guide users through the process of completing PhIS application process.

User will understand the following activities in detail:

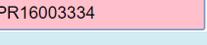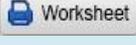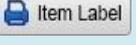*   Create new Tablet/Capsule Pre-packing

1.3 Organised Sections

These are the sections within this document:

*   Section 1 : Introduction
*   Section 2 : Application Standard Features
*   Section 3 : Pre-packing
*   Section 4 : Acronyms
*   Section 5 : Links to Clinical Modules

2.0 Application Standard Features

2.1 Legend

Standard Legend			
LOGIN	Login	Change Password	Change Login Password
Logout	Logout	C	Reset Login screen
+	Expand Menu	☐	Checkbox
−	Collapse Menu	i	Show Help
⟳	Refresh Screen	+	Add/Create New Record
🔍	Search Icon	🖩	Calendar Icon
Q Search	Search Record	⊘	Cancel Data Entry
⤢	Close Window	*	Mandatory Field
⊠	Close All Open Tabs	✎	Edit Record
X	Close Screen	💾	Save Record
◯	Radio Button	🗑	Delete Record
▼	Context Menu	🖨	Print Document

Pre-packing Module Legend					
PR16003334	Prepacking ID	🖨 Worksheet	Create Worksheet	🖨 Item Label	Print Label

Note

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

2.2   Latest Enhancement and Updates

Latest Functions	Page
3.3 Drug label Options	13 & 14

3.0 Tablet/Capsule Pre-packing

Overview

Pre-packing module will be used by the user at the Main Store level (Level 1) and Sub Store level (Level 2) to perform function to prepare prepacking, generate and print worksheet and also labels within the facility.

User Group

This module is intended for Pharmacist, and Assistant Pharmacist (subject to user assign by the facility).

Functional Diagram
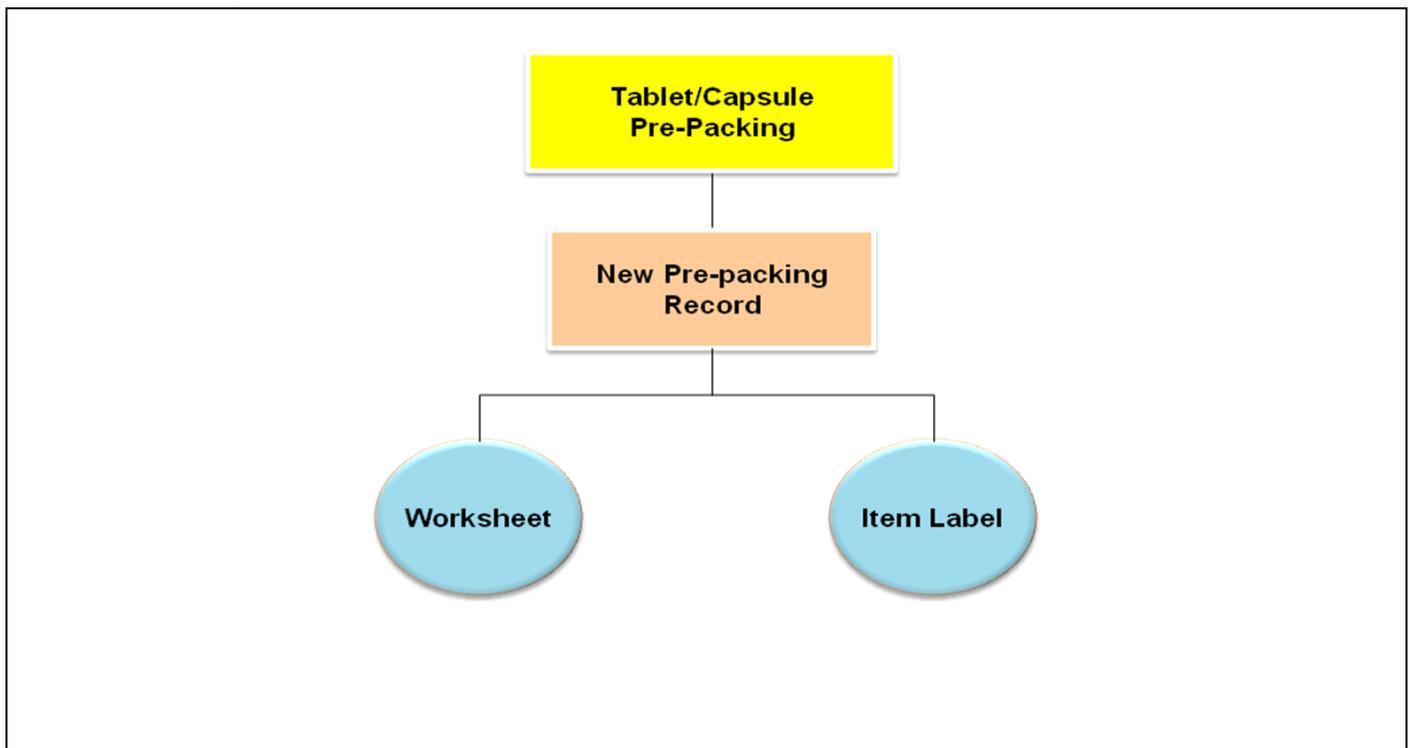
Figure 3.0-1

Functional Description

This module allows the pharmacy user to record activity of repacking item from bulk packing to smaller packing. The scope of the item need to pre-pack is only for item where packaging keeping unit is:

- Tablet or Capsule
- Liquid
- Cream
- SKU(refer to ml, tablet or vial)

3.1 View Prepacking Transactions

To view transaction history of Prepacking record, perform the steps below:
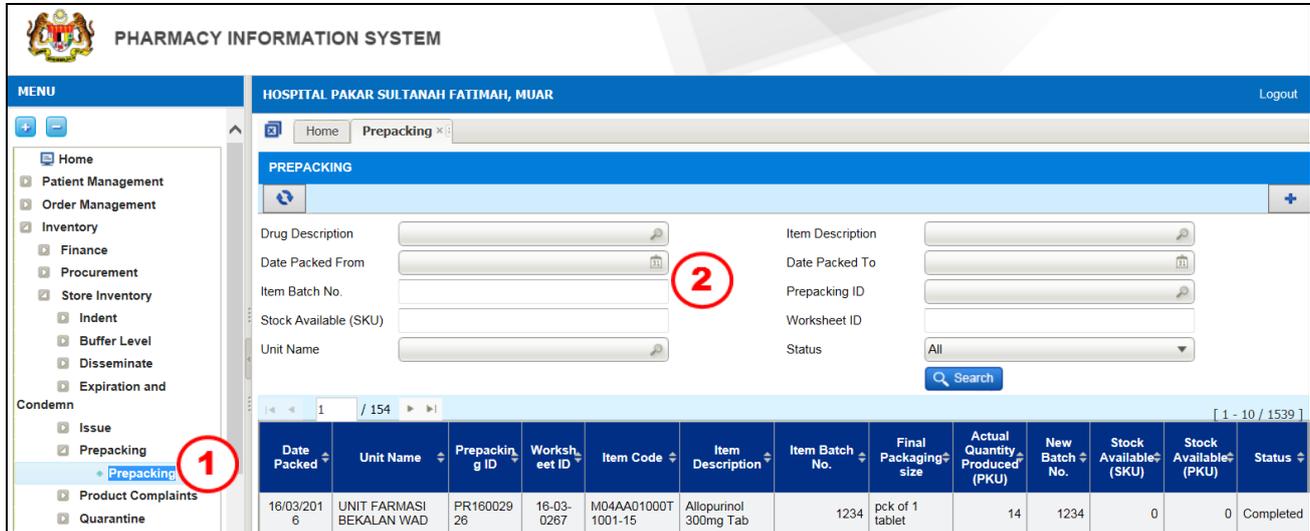
Figure 3.1-1 PrePacking Listing Page

Note
Prepacking will be used in the Sub-Store level. It is a procedure in packing from a large package (PKU) to a small package (SKU)

STEP 1
Click on 'Inventory' menu followed by 'Store Inventory' and select 'Prepacking'

STEP 2
To search for existing records of transaction, user may search by criteria as below:

No	Field	Description	Remarks
a	Drug Description	Drug Description	Display all prepacking drugs
b	Item Description	Drug name and item code	Display all existing Prepacking record(s) for a specific item or drug
c	Date Packed From	Start date for the Prepacking transaction	Format field (dd/mm/yy)
d	Date Packed To	End date for the Prepacking transaction	Format field (dd/mm/yy)
e	Item Batch No	Item Batch No	Drug Item Batch No
f	Prepacking ID	Prepacking ID	System will generate Prepack ID
g	Stock Available (SKU)	Type of Unit of Measurement	Display all existing Prepacking record(s) according to the unit of measurement type
h	Worksheet ID	Worksheet Number	Display existing Prepacking record the specific worksheet
i	Unit Name	Unit Name	Requester unit for prepacking
j	Status	Search by: - All - Complete - In Progress	Able to filter and search record(s)

Table 3.1-1

Figure 3.1-2 Prepacking Listing Page

STEP 3

Click on the [Search] button to filter based on the searching criteria

STEP 4

Double click on the selected record to view Prepacking Information details as per **Figure 3.1-3**

Figure 3.1-3 Item Pre-Packing Information

3.2 Create New Prepacking Transaction

To create a new Prepacking transaction, perform the steps below:

Figure 3.2-1 Create New Prepacking

STEP 1
Click on 'Inventory' menu followed by 'Store Inventory' and select 'Prepacking'

STEP 2
Click on the ➕ button to create a new record

Note
- *Prepacking screen includes 2 panels which are Item Prepacking Information and SOP (Instruction).*

- *This panel can be collapse and expand by clicking on the ➕ icon.*

- *User are able to select the Unit Name as per Figure 3.2-2*
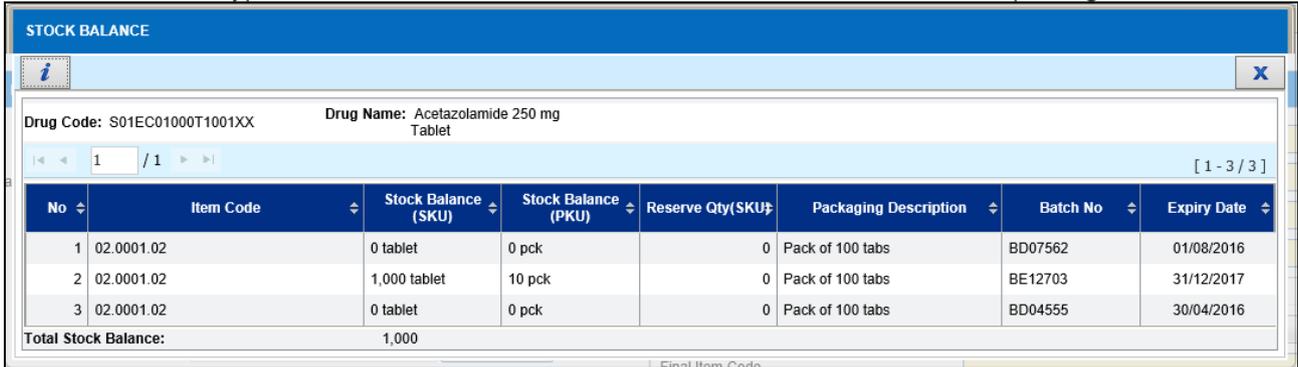

Figure 3.2-2 Prepacking Screen

STEP 3

Search the *Drug Name* by clicking on the 🔍 icon

Note

- *Information will be retrieve from Item Master as below*
    - *Original Item Packaging*
    - *Item Code*

- *Stock Balance hyperlink is for reference to check the stock available in the unit as per Figure 3.2-3.*

STOCK BALANCE

Drug Code: S01EC01000T1001XX   Drug Name: Acetazolamide 250 mg Tablet

No	Item Code	Stock Balance (SKU)	Stock Balance (PKU)	Reserve Qty(SKU)	Packaging Description	Batch No	Expiry Date
1	02.0001.02	0 tablet	0 pck	0	Pack of 100 tabs	BD07562	01/08/2016
2	02.0001.02	1,000 tablet	10 pck	0	Pack of 100 tabs	BE12703	31/12/2017
3	02.0001.02	0 tablet	0 pck	0	Pack of 100 tabs	BD04555	30/04/2016
Total Stock Balance:		1,000					

Figure 3.2-3 Prepacking Screen

STEP 4

Search the *Batch No* by clicking on the 🔍 icon and the *Product Search* window will appear as per **Figure 3.2-4.**

Note

In *Product Search* window, key in the *Batch No* and click the 🔍 Search button to find the *Batch No* as per *Figure 3.2-4*

Product Search
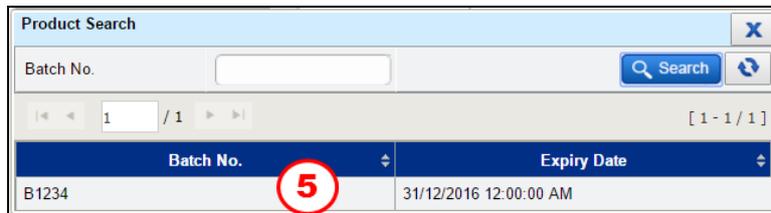
Batch No. _____ 🔍 Search

Batch No.	Expiry Date
B1234 ⑤	31/12/2016 12:00:00 AM

Figure 3.2-4 Product Search

STEP 5

Double click on the selected batch

Note

Details hyperlink is for the batch details as per *Figure 3.2-5*
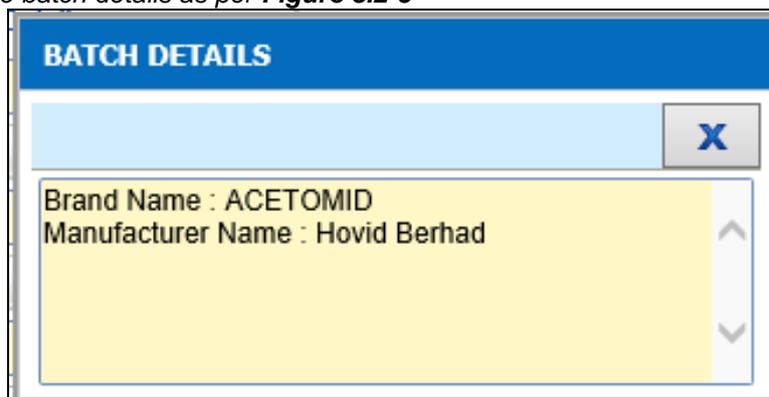
BATCH DETAILS

Brand Name : ACETOMID
Manufacturer Name : Hovid Berhad

Figure 3.2-5 Batch details

Figure 3.2-6 Prepacking Screen

STEP 6
Enter **Quantity To Prepack (PKU)**

STEP 7
Select **Final Packaging Description**

Note
Enter the **SOP** details if there is any, in the SOP (Instruction) section as per **Figure 3.2-7**.

Figure 3.2-7 SOP (Instruction) section

STEP 8
Click on the [icon] button to save the record as per **Figure 3.2-6**

Figure 3.2-8 Confirmation to Pre Pack

Note

- Click the [Yes] button to save record and the **Pre-packing ID** will be generated as per **Figure 3.2-8.**

- If the [No] button is click, the record will not be saved and **Pre-packing ID** will not be generated.

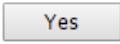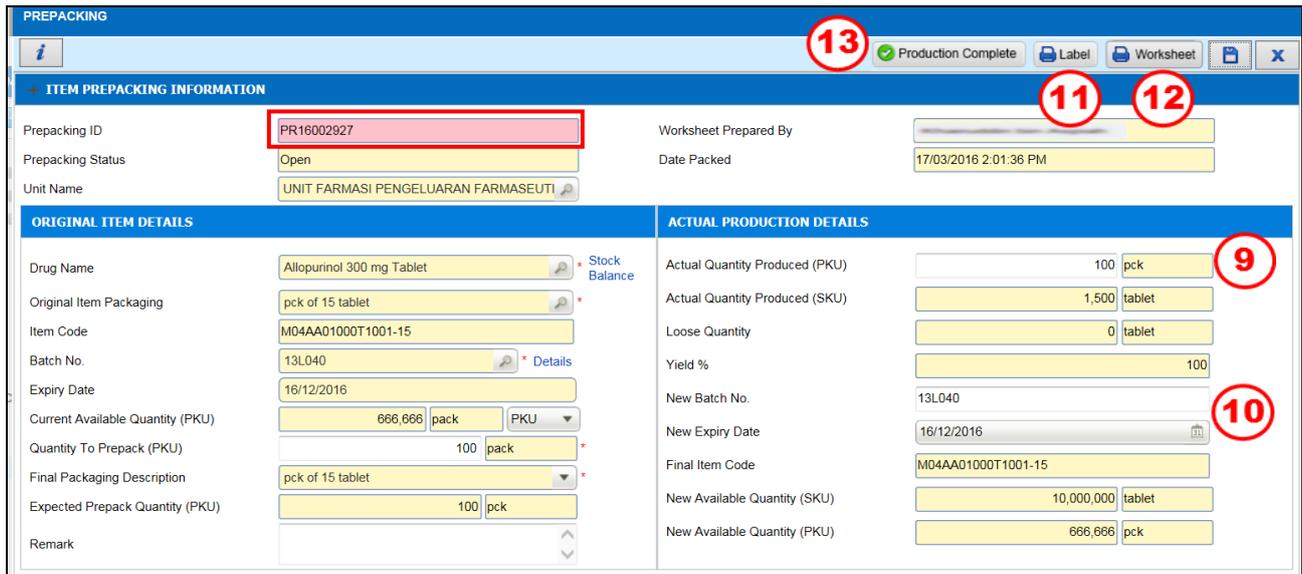| Character	Description	Value
1-2	Prepacking	'PR'
3-4	Current year in 'YY' format	16
5-10	Running No.	Starting from 000001. This running number will be restarted to 000001 of every new financial year

Table 3.2-1 Prepacking ID

Figure 3.2-9 Worksheet & Label Button

STEP 9
Enter *Actual Quantity Produced (PKU)*

STEP 10
New Batch No. and *New Expiry Date* will default to the original item details

STEP 11
Click on the ![Label] button to generate different Drug Label as shown in **Figure 3.2.15**

STEP 12
Click on the ![Worksheet] button to print the Prepacking Worksheet

Note
- *The worksheet will be use as reference to perform the pre-packing procedure as shown in **Figure 3.2.14***

Figure 3.2-10 SOP (Instruction) section

- *Enter **Prepacked By** and **Approved By** in the SOP (Instruction) section as per **Figure 3.2-10**.*

STEP 13

Click the button and the confirmation alert message will appear as per **Figure 3.2-11**
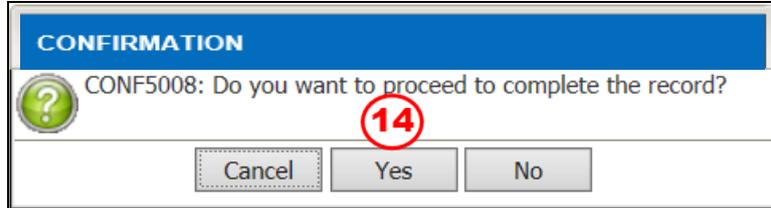
Figure 3.2-11 Confirmation Alert Message

When loose quantity **not equal** to 0, display alert message as below;
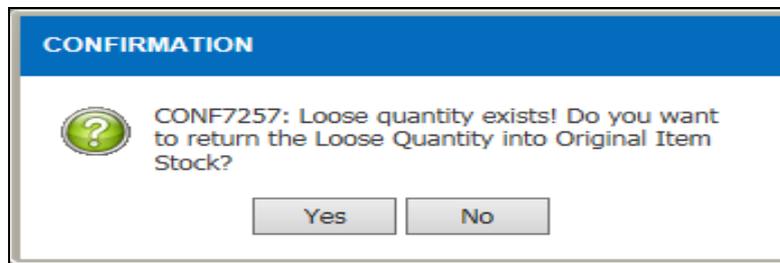
Case A: User selects '**Yes**'	Original Item stock quantity will minus based on Actual Qty Produced. Final Prepacking Item stock quantity will add also based on Actual Qty Produced.
Case B: User selects '**No**'	Original Item stock quantity will minus based on Quantity to Prepack. Final Prepacking Item stock quantity will add based on Actual Qty Produced.

STEP 14
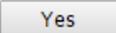
Click the [Yes] button to complete the record
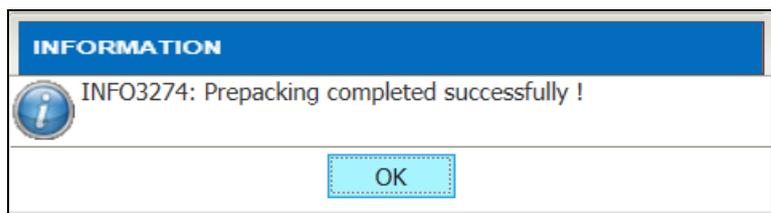
Figure 3.2-12 Information Alert Message

Note
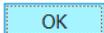
- *Click the [OK] button as per Figure 3.2-12.*

- *The complete Prepacking transaction is shown as Figure 3.2-13.*

PREPACKING						
ℹ️				Label	Worksheet	X

ITEM PREPACKING INFORMATION

Prepacking ID	PR16002927	Worksheet Prepared By	
Prepacking Status	Completed	Date Packed	17/03/2016 2:01:36 PM
Unit Name	UNIT FARMASI PENGELUARAN FARMASEUTI		

ORIGINAL ITEM DETAILS   **ACTUAL PRODUCTION DETAILS**

ORIGINAL ITEM DETAILS		ACTUAL PRODUCTION DETAILS	
Drug Name	Allopurinol 300 mg Tablet * Stock Balance	Actual Quantity Produced (PKU)	100 pck
Original Item Packaging	pck of 15 tablet *	Actual Quantity Produced (SKU)	1,500 tablet
Item Code	M04AA01000T1001-15	Loose Quantity	0 tablet
Batch No.	13L040 * Details	Yield %	100
Expiry Date	16/12/2016	New Batch No.	13L040
Current Available Quantity (PKU)	666,666 pack PKU ▼	New Expiry Date	16/12/2016
Quantity To Prepack (PKU)	100 pack *	Final Item Code	M04AA01000T1001-15
Final Packaging Description	pck of 15 tablet ▼ *	New Available Quantity (SKU)	9,998,500 tablet
Expected Prepack Quantity (PKU)	100 pck	New Available Quantity (PKU)	666,566 pck
Remark			

Figure 3.2-13 Prepacking Complete

PREPACKING WORKSHEET
MINISTRY OF HEALTH
Hospital Pakar Sultanah Fatimah, Muar

UNIT FARMASI PENGELUARAN FARMASEUTIKAL

Worksheet ID :	16-08-0274	**Date Packed**	: 25/08/2016 3:43:41 PM
Item Code :	02.0004.06	**Packaging**	: Pack of 100 tabs (Blister)
Item Description :	Allopurinol 300mg Tab	**Brand Name**	: PHARMANIAGA
Batch No :	15H095	**Manufacturer Name**	: Pharmaniaga Manufacturing Berhad
Expiry Date :	30/06/2018		

Final Packaging Desc	Qty to Prepack (PKU)	Qty to Prepack (SKU)	Expected Prepack Qty (PKU)	Actual Qty Produced (PKU)	Actual Qty Produced (SKU)
pck of 15 tablet	1.5 pck	150 tablet	10 pck	10 pck	150 tablet

Preparation Details   **Label**

Final Item Code : M04AA01000T1001-15

New Batch No : 15H095

New Expiry : 30/06/2018

Loose QTY : 0

Yield % : 100

Procedure :

Worksheet Prepared By   **Prepacked By**   **Approved By**
                                   PPF   PF

Date : 25/08/2016 3:43:41 PM

Figure 3.2-14 Prepacking Worksheet

3.3 Drug Label Options

Figure 3.2-15 Drug Label Options

Figure 3.2-16 Label 90mm x 60mm

Figure 3.2-17 Label 40mm x 40mm

Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
Qty : 15 tablet Exp : 30/06/2018 B.No : 15H095 HMIRI	Qty : 15 tablet Exp : 30/06/2018 B.No : 15H095 HMIRI

Figure 3.2-18 Label for Cream 15g and 30g: 35mm x 35mm

Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
Qty : 15 tablet Batch No: 15H095 Prep 15/03/2017 Exp 30/06/2018 Date : Date : Hospital Miri	Qty : 15 tablet Batch No: 15H095 Prep 15/03/2017 Exp 30/06/2018 Date : Date : Hospital Miri
Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
Qty : 15 tablet Batch No: 15H095 Prep 15/03/2017 Exp 30/06/2018 Date : Date : Hospital Miri	Qty : 15 tablet Batch No: 15H095 Prep 15/03/2017 Exp 30/06/2018 Date : Date : Hospital Miri

Figure 3.2-19 Label 40mm x 20mm

Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016
Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016
Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet	Allopurinol 300 mg Tablet
BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016	BN : 13L040 Exp 16/12/2016

Figure 3.2-20 Label 20mm x 13.3mm

4.0 Acronyms

Abbreviation	Definition
MOH	Ministry of Health
KKM	Kementerian Kesihatan Malaysia
PhIS	Pharmacy Information System
CPS	Clinical Pharmacy System
PKU	Packaging Keeping Unit
SKU	Store Keeping Unit

5.0 Links to Clinical Modules

No	Module	PDF Links	No	Module	PDF Links
1	Inpatient	*Click Here*	12	CDR Dispensing	*Click Here*
2	CDR Order	*Click Here*	13	Methadone Dispensing	*Click Here*
3	TDM Order	*Click Here*	14	PN Dispensing	*Click Here*
4	PN Order	*Click Here*	15	Order Management	*Click Here*
5	IV Order	*Click Here*	16	Patient Management	*Click Here*
6	Prepacking	*Click Here*	17	Radiopharma	*Click Here*
7	Galenical	*Click Here*	18	Outpatient	*Click Here*
8	MTAC	*Click Here*	19	Special Drug Request	*Click Here*
9	ADR & DAC	*Click Here*	20	MAR	*Click Here*
10	Medication Counselling	*Click Here*	21	DICE	*Click Here*
11	Ward Pharmacy	*Click Here*	22		