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

Release Note (PhIS Dashboard)

For version 1.4.1

Version	**: 1.0**
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Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	27/09/2023	Mohd Hilmi Mohamad	Zainura Said	First Version

Verified and Acknowledged by:

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		Bahagian Pengurusan Maklumat (BPM), KKM	

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	:	1.4.1
Client Name	:	Ministry of Health
Release ID	:	RL23/017
Release Date	:	27/09/2023

1.2 Objectives

No.	Objective	Reference
1.	Release PhIS & CPS Dashboard	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 Dashboard version 1.4.1.

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
1.	R230008	Data Mining - PhARM	Dashboard - Procurement by Item	1. Add '(PKU)' label at 'Min Unit Price (RM)' and 'Max Unit Price (RM)' columns. • Rename 'Min Unit Price (RM)' to 'Min Unit Price (PKU) (RM)' • Rename 'Max Unit Price (RM)' to 'Max Unit Price (PKU) (RM)' 2. Rename 'Amount (RM)' to 'Purchased Amount (RM)' 3. Changes need to be applied to PDF and Excel report format as well	220009621E	Program Perkhidmatan Farmasi, KKM	Refer to #4.1
2.	R230009	Data Mining - PhARM	Dashboard - Condemn	1. Add '(SKU)' label at Unit Price column. 2. Add 'Total' for sum up value of Quantity and Amount at PDF report format.	220009624E	Program Perkhidmatan Farmasi, KKM	Refer to #4.2
3.	R230010	Data Mining - PhARM	Dashboard - Overall Procurement	1. To rename 'Total (RM)' to 'Total Procurement (RM)' 2. Cosmetic changes on current label name 3. Changes will be applied to PDF and Excel report format as well. 4. Move label for formulation such as (a), (b) or (a+b+e) to new row. These changes apply to PDF format as well	220009623E	Program Perkhidmatan Farmasi, KKM	Refer to #4.3

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
4.	R230012	Data Mining - PhARM	PF 4.1(b)	1. To remove '(29 item)' description from PS 8 filter 2. Change description for PS 8 filter to 'PS 8 - failed to delivery emergency product within 24 Hours from LPO Date (Refer emergency list)'	220010772E	Program Perkhidmatan Farmasi, KKM	Refer to #4.4
			PF 4.2(a)	To remove 'within (2c-8c)' description from PS 10 filter	220010766E	Program Perkhidmatan Farmasi, KKM	Refer to #4.5
			PF 4.3	To add word 'year' for PS 15 filter	220010773E	Program Perkhidmatan Farmasi, KKM	Refer to #4.6

3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS Dashboard version 1.4.1.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
1.	I-PhIS101051723APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	16/08/2023	Laporan Bulanan Peruntukan Dan Perbelanjaan Ubat Dan Bukan Ubat - Error when download report	Email: Dengan segala hormatnya saya merujuk kepada perkara di atas. Bahagian ini ingin memohon kerjasama pihak tuan untuk menyemak punca Laporan Bulanan Peruntukan Dan Perbelanjaan Ubat Dan Bukan Ubat tidak dapat dijana melalui Dashboard PhIS. Cubaan menjana laporan ini telah dibuat sebanyak 3 kali pada 14/8/2023 - 15/8/2023 dan laporan terhenti pada status calculating 60%. Selepas beberapa jam, laporan akan menjadi status error.	Issue happens due to missing 'Ministry/ Department' column in summary table and this has caused system unable to populate data.	08/09/2023
2.	I-PhIS087633723APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	03/01/2023	Stock Balance report data not tally - Missing few facility data	Email: Data tidak selari didapati dari Dashboard PhIS - JKWPKL&P Refer attachment for the detail.	Inconsistent method was used to display data between chart and table/card sections. Suppose same method should be applied at both sections to avoid untallied data issue.	28/06/2023
3.	I-PhIS087726023PHISP	Klinik Kesihatan Kelana Jaya (A)	Data Mining - PhARM	04/01/2023	PF 4.1 a - No data available	Email from user: Bila jana report dari phis+ tiada report tapi bila jana di kk ada report.	There was a missing 'Penalty Incident Sequence No' column at backend and causing the	10/04/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						Rujuk lampiran.	report not able to be downloaded and generated.	
4.	I-PhIS091235223APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	06/03/2023	Error when generate PF5.3(b) report	Email from user, PHIS Dashboard - PF 5.3 B cannot download. PF 5.3B can't be generated, kindly fix it.	Issue happens due to column length limitation at repository database. Repository database only allow maximum 30 characters for all column length but in PhIS, the column have been declared with more than 30 characters. This has caused system unable to generate and store data properly	14/04/2023
5.	I-PhIS088611023APP	JKWP Kuala Lumpur & Putrajaya (B)	Data Mining - PhARM	18/01/2023	Unrelated facility displays in the report	En Ahmad Faiz reported HKL is not under facility JKWPLP. Hence user informed data related to HKL in PHIS Dashboard should be separate from JKWPLP. Please refer sample picture attached.	Wrong implementation was applied in dashboard whereby all facilities will be categorized based on state value. Suppose it should be categorized based on Jabatan Kesihatan Negeri (JKN) value.	16/05/2023
6.	I-PhIS087723323APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	04/01/2023	Procurement Pricing Report - Unable to download report	Email from user: Janaan Laporan Procurement Pricing Report tidak Berjaya. Cubaan menjana Procurement Pricing Report secara keseluruhan (All data) dari 1 Jan 2022 hingga 1	There are missing columns at backend for drug/non drug code, item code, supplier name, country name and total order amount. These missing columns have	21/02/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						Jan 2023 gagal. Dah Cuba 2 kali. Mohon semakan dan tindakan pihak tuan/puan.	caused error when downloading the report.	
7.	I-PhIS082069222APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	26/09/2022	Issue List - Issue quantity appear duplicate	Email: Hi, want to ask for PHIS dashboard (picture 1): It shows that hospital pontian have issued 1080 paxlovid in september but when i check the database, it only shows 540 quantity (picture 2 excel). I further called to hospital pontian to clarified, they claimed that they supplied only 540 (27 box + 1 box) Is the issue list need x 2 one?	Duplicate quantity issue happens due to there were two different manufacturers for the same brand per transaction. Suppose system should be able to filter out and display only 1 manufacturer for same brand per each transaction.	09/05/2023
8.	I-PhIS082071422APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	26/09/2022	Issue List - Issue transaction quantity not sync	Email: Data matching issue in PHIS dashboard I try to compare the database to phis dashboard, I found out that the dashboard only takes in 3 records out of 5 records. Can I know what is the exclusion criteria on this? And the issue amount is not correct. Please refer attachment.	Previously system treated record with same 'Issue Type' as 1 transaction without considering the issue date value. Suppose system should treat same 'Issue Type' transaction as separate record if issue date is different.	12/05/2023
9.	I-PhIS082215022APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	29/09/2022	Condemn - Quantity and amount does not tally with PhIS	Email from user: I notice the value (amount) in Dashboard condemn is not accurate,	'Recommended Condemn Quantity' was showing inaccurate value due to wrong way on handling	15/05/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						the same item, it can have a very large different in price. Please help me check and fix on this and then can give me enlightenment of how the amount is count (which actual calculation real case example) for cross checking. Thank you very much!	duplicate record at dashboard side when receiving raw data entry from repository.	
10.	I-PhIS095591623APP	Pejabat Kesihatan Daerah Jempol (B)	Data Mining - PhARM	22/05/2023	Dashboard Procurement - No data generated, Non Drug	Pn. Azian reported unable to generated report for procurement in PHIS dashboard. User step select > Procurement > Procurement by item > Year: 2022 > Summary PTJ, JKN > PTJ: Jempol, JKN: Negeri Sembilan > Disposable Dressing Set individually packed, sterile. (APPL) and appear the drug/non drug you have selected is not available. User notice issue only happen to non-drug item.	Filter function by 'Type of Product' = 'Not Applicable' was not correctly applied in Dashboard Procurement.	13/06/2023
11.	I-PhIS089717023APP	Pejabat Kesihatan Daerah Timur Laut (B)	Data Mining - PhARM	08/02/2023	Dashboard: Overall Procurement - Amount display too high	Pn Alia reported data in PhIS dashboard does not tally with receive from supplier (ubat APPL) for KK Jalan Perak. Confirmed by user she generates report from Jan 2022 until Dec 2022. Jumlah receive from supplier (ubat APPL) = 2.066juta	Dashboard was wrongly handling the aggregation method during the data collection process. System will sum up the amount value even those records belong for different version. This led to high amount value issue.	20/09/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						Dashboard = 4.54 juta		
12.	I-PhIS097058323APP	Klinik Kesihatan Jelebu (B)	Data Mining - PhARM	15/06/2023	Dashboard Procurement by Item - Data inaccurate for Purchase Quantity column	Email from user: ADUAN DATA TIDAK TALLY ANTARA PHIS DAN PHIS DASHBOARD Dengan segala hormatnya saya merujuk kepada perkara di atas. Untuk makluman, data procurement bagi item Amoxicillin 125mg/5ml syrup di bawah receive item report from supplier dalam PhiS adalah tidak sama dengan procurement report dalam PHIS Dashboard. Bersama-sama ini dilampirkan laporan yang dijana dari PHIS dan PHIS Dashboard untuk rujukan tuan. Perhatian dan maklumbalas daripada pihak tuan adalah amat dihargai.	Issue happens due to Procurement dashboard counted each 'Activity Code' as unique value, and this has caused duplicate data in 'Purchased Quantity'. Issue is resolved by removing checking for unique 'Activity Code'. Suppose 'Purchased Quantity' shall be unique by transaction/row, not by 'Activity Code'.	27/06/2023
13.	I-PhIS101611623APP	Pejabat Kesihatan Putrajaya (B)	Data Mining - PhARM	24/08/2023	Queue List - module blank, ID with Authority District	Email from user: DASHBOARD PTJ-Tiada detail report download pada Column Module Queue List Pn Zulaikha reported, when user had downloaded any data in dashboard (PKD), user will get the data from "Queue list" module. When login as PKD, found, under column "module" it was blank. Refer attachment 1 which is PKD account. PKD ID	Incorrect condition was applied when showing 'Module' value inside Queue List screen if 'User Authority' value for the login ID is 'District'.	07/09/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						/password written in Helpdesk observation. Suppose it appear “report” that user download. Sample screen, refer user " attachment 2" which is screen from PHIS Dashboard MOH account.		
14.	I-PhIS101087823APP	Jabatan Kesihatan Negeri Perak	Data Mining - PhARM	16/08/2023	Dashboard Admin - JKN Admin user view problem	En Khairul Haizad reported, no data when user login as admin. Example: the user should see the name of another registered user. Refer helpdesk observation, for login id and password user	Issue happens during changing implementation from state to Jabatan Kesihatan Negeri (JKN). The main page view for user list was still referring to State Authority List. Suppose it should refer to Jabatan Kesihatan Negeri (JKN) Authority List.	07/09/2023
15.	I-PhIS101051423APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	16/08/2023	Dashboard Quarterly Summary Report - Data inaccurate for all budget summary	Email: Different Data in Report Budget Vs Logistic Dashboard (quarterly summary) in PhIS Dashboard As attached, data between the budget report and logistic dashboard show different data. Please investigate the difference.	Issue happens due to incorrect code implementation in scheduler, and this has caused module unable to be updated with the latest data.	25/09/2023
16.	I-PhIS097276923APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	19/06/2023	Dashboard Procurement by Item - No value at Purchase Quantity column	Email from user, Suspicious Data on Dashboard Procurement	Incorrect query was used to retrieve ‘Purchased Quantity (SKU)’ and ‘Purchased Quantity (PKU)’ values. The earlier	30/08/2023

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
						As attached the dashboard for module procurement. purchase with item. In summary total purchase quantity is 62 (PKU). Total 5 lines in JKN display with 3 lines of records with purchase quantity and 2 lines of records with total purchase quantity "0". Please advise if this is a normal phenomenon.	query is searching by 'Purchase Order' header table only without considering the 'Purchase Order' detail table. Thus, both data show as no value.	
17.	I-PhIS099987123APP	Bahagian Perkhidmatan Farmasi (HQ)	Data Mining - PhARM	01/08/2023	PhIS Dashboard: Stock Balance Report - Batch No generate in report does not tally with facility	Ms Ong Tuan Chin reported when generated Stock balance report in Dashboard, found issue expiry date does not tally between facility and dashboard as below: Facility: KK Cangkat Jering, Item: J05AP00110T1001.01 (Ravidasvir Hydrochloride 200mg Tablet) Batch: M219523 expiry date shown 31/7/2024 (in facility) but in dashboard appear as 31/7/2023. Date generated report from Dashboard: 31/7/2023	Previously 'Batch No' value was always shown in capital letter when generating excel report in Dashboard. Suppose should follow same format like in PhIS which is it can be in small or capital letter.	20/09/2023
18.	I-PhIS101612123APP	Pejabat Kesihatan Putrajaya (B)	Data Mining - PhARM	24/08/2023	Laporan Bulanan Peruntukan Dan Perbelanjaan Ubat Dan Bukan Ubat -	Email pengguna: Dashboard PTJ-Laporan yang dijana tidak seperti yang dipilih pada ruang search	Wrong query was applied during filtering function for 'Vote Object' criteria.	30/08/2023

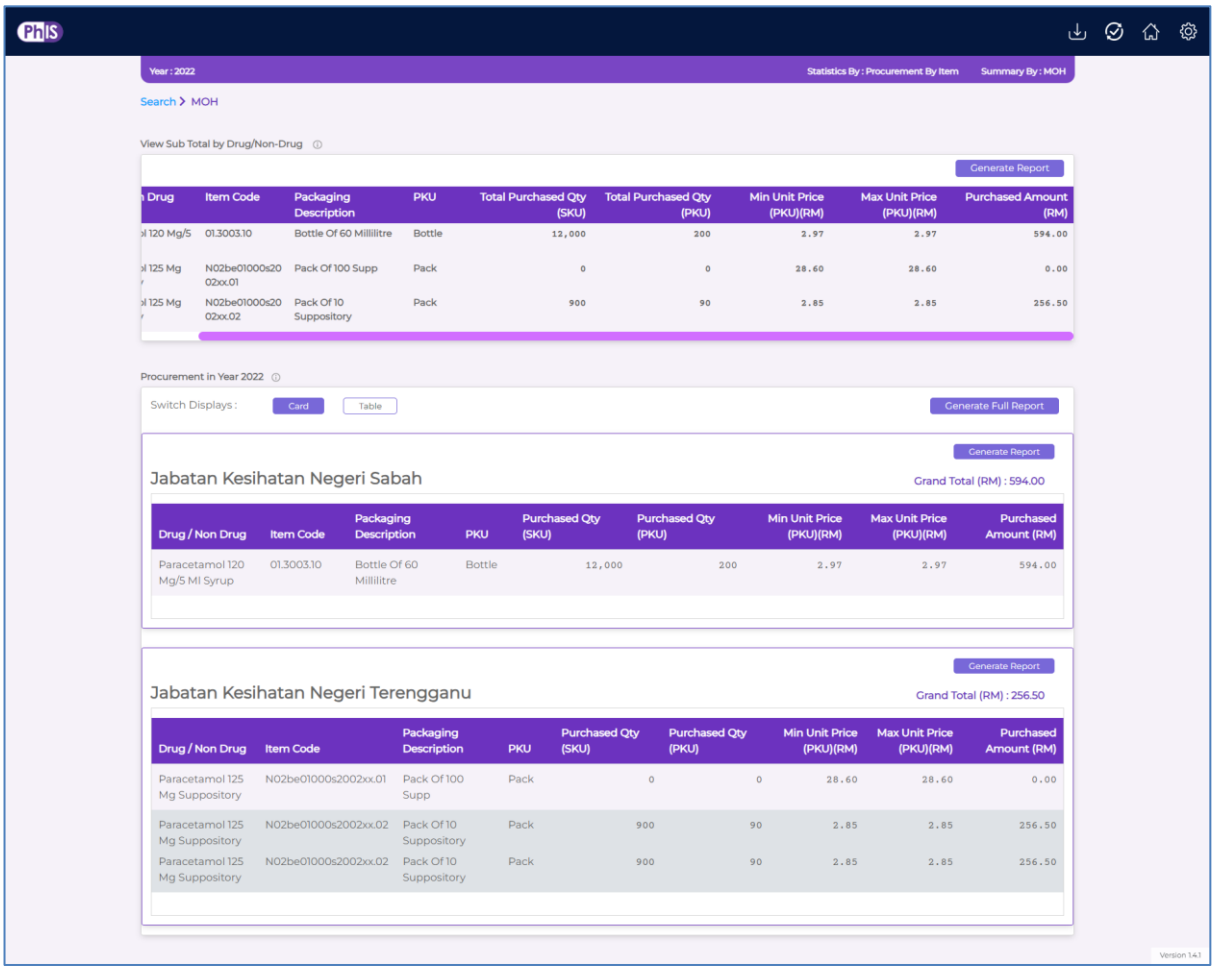
No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date
					Appear all object code in report (filter)	Dashboard PTJ: Laporan Bulanan Peruntukan dan Perbelanjaan Ubat dan Bukan Ubat yang dijana tidak seperti yang dipilih pada ruang search. Objek lanjut yang dipilih adalah: 27401- Ubat dan Dadah, namun laporan yang dijana termasuk objek lanjut 27401 dan 27404 (rujuk lampiran). Hal ini menyebabkan jumlah setiap transaksi tidak tepat.		

4 Refinement List – Detail Changes

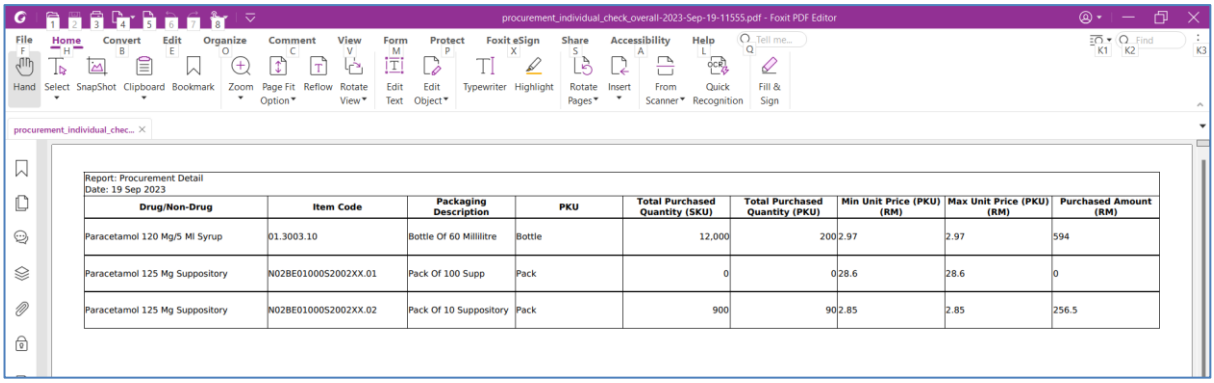
4.1 Dashboard – Procurement by Item – Label/Description Amendment

CR No	Module	Function	Description
R230008	Data Mining - PhARM	Dashboard - Procurement by Item	1. Add '(PKU)' label at 'Min Unit Price (RM)' and 'Max Unit Price (RM)' columns. • Rename 'Min Unit Price (RM)' to 'Min Unit Price (PKU) (RM)' • Rename 'Max Unit Price (RM)' to 'Max Unit Price (PKU) (RM)' 2. Rename 'Amount (RM)' to 'Purchased Amount (RM)' 3. Changes need to be applied to PDF and Excel report format as well

a) Dashboard



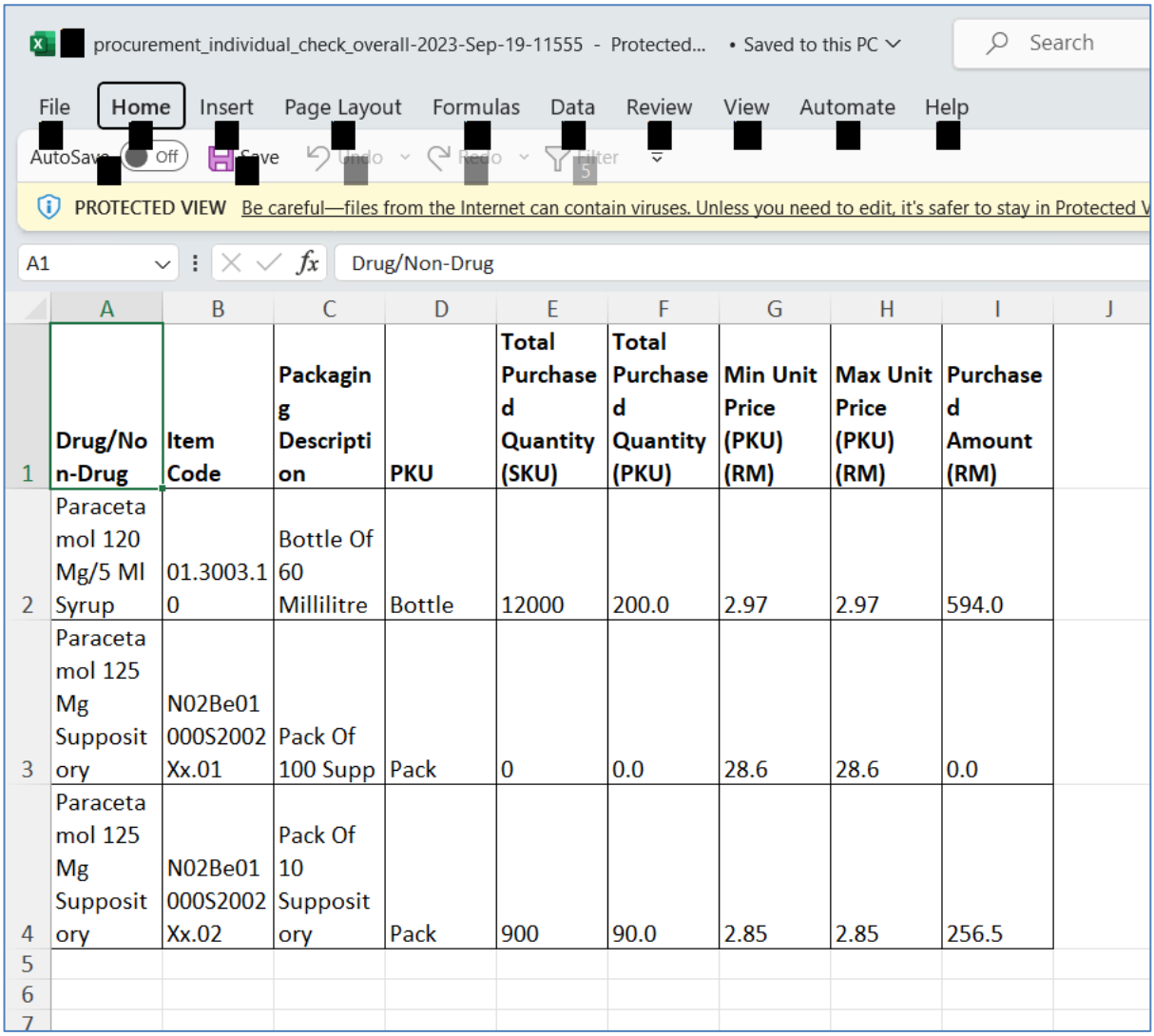
b) PDF



Report: Procurement Detail
Date: 19 Sep 2023

Drug/Non-Drug	Item Code	Packaging Description	PKU	Total Purchased Quantity (SKU)	Total Purchased Quantity (PKU)	Min Unit Price (PKU) (RM)	Max Unit Price (PKU) (RM)	Purchased Amount (RM)
Paracetamol 120 Mg/5 Ml Syrup	01.3003.10	Bottle Of 60 Millilitre	Bottle	12,000	200	2.97	2.97	594
Paracetamol 125 Mg Suppository	N02BE01000S2002XX.01	Pack Of 100 Supp	Pack	0	0	28.6	28.6	0
Paracetamol 125 Mg Suppository	N02BE01000S2002XX.02	Pack Of 10 Suppository	Pack	900	90	2.85	2.85	256.5

c) Excel

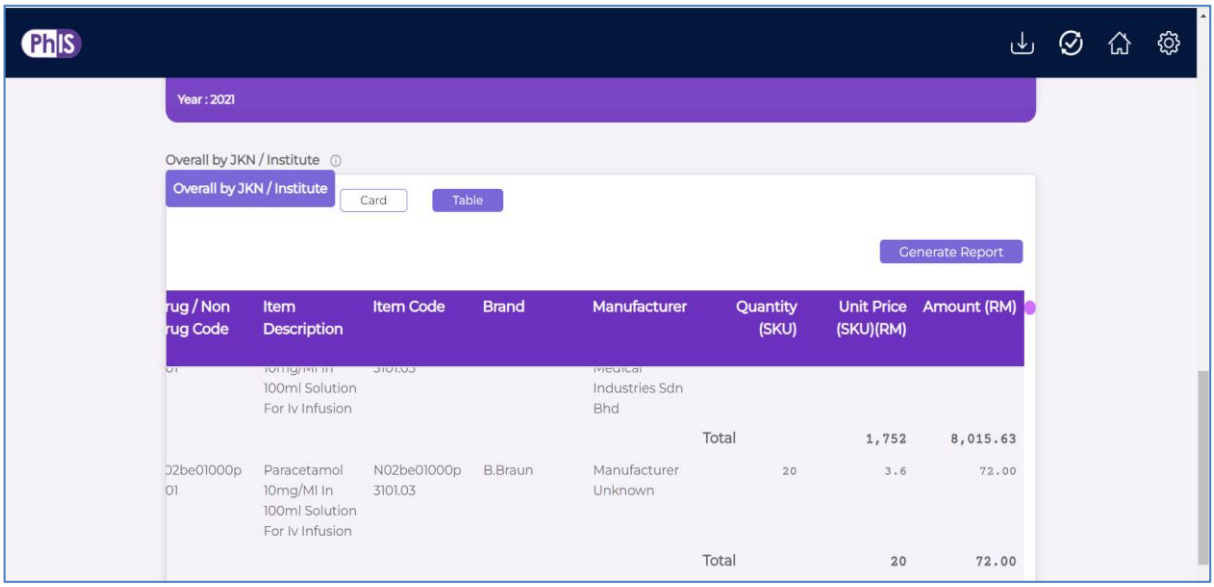


	A	B	C	D	E	F	G	H	I
1	Drug/Non-Drug	Item Code	Packaging Description	PKU	Total Purchased Quantity (SKU)	Total Purchased Quantity (PKU)	Min Unit Price (PKU) (RM)	Max Unit Price (PKU) (RM)	Purchased Amount (RM)
2	Paracetamol 120 Mg/5 Ml Syrup	01.3003.10	Bottle Of 60 Millilitre	Bottle	12000	200.0	2.97	2.97	594.0
3	Paracetamol 125 Mg Suppository	N02Be01000S2002Xx.01	Pack Of 100 Supp	Pack	0	0.0	28.6	28.6	0.0
4	Paracetamol 125 Mg Suppository	N02Be01000S2002Xx.02	Pack Of 10 Suppository	Pack	900	90.0	2.85	2.85	256.5
5									
6									
7									

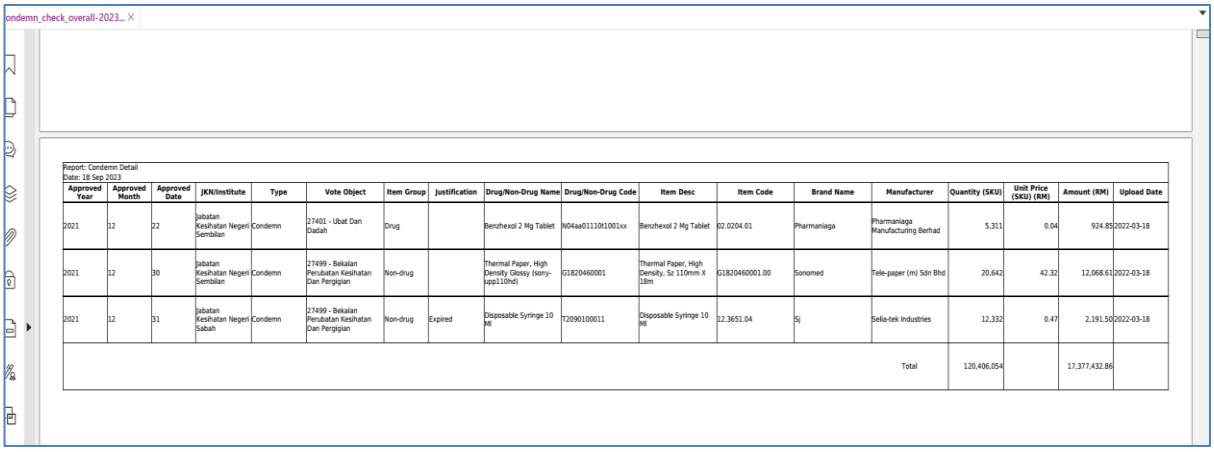
4.2 Dashboard – Condemn – Label Amendment & Total Row

CR No	Module	Function	Description
R230009	Data Mining - PhARM	Dashboard - Condemn	1. Add '(SKU)' label at Unit Price column. 2. Add 'Total' for sum up value of Quantity and Amount at PDF report format.

a) Dashboard



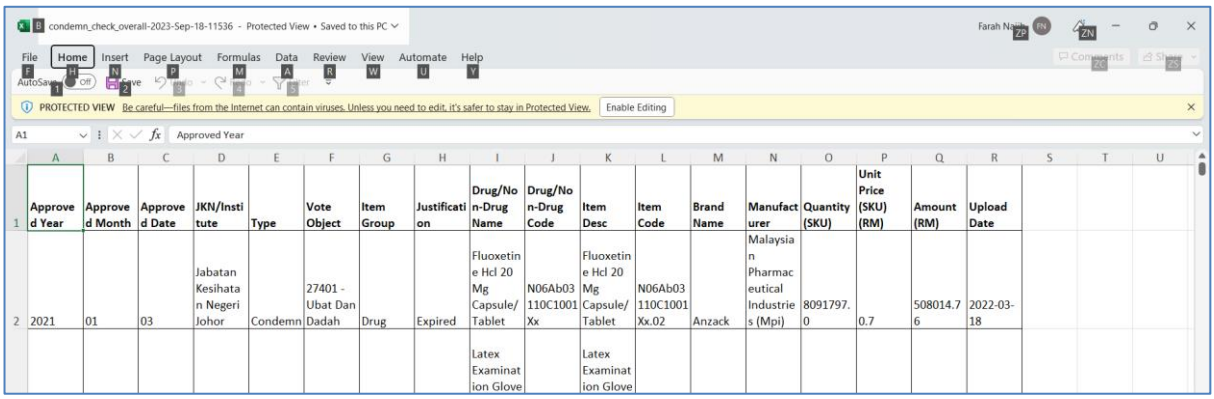
b) PDF



Report: Condemn Detail
Date: 18 Sep 2023

Approved Year	Approved Month	Approved Date	JKN/Institute	Type	Vote Object	Item Group	Justification	Drug/Non-Drug Name	Drug/Non-Drug Code	Item Desc	Item Code	Brand Name	Manufacturer	Quantity (SKU)	Unit Price (SKU) (RM)	Amount (RM)	Upload Date
2021	12	22	Jabatan Kesihatan Negeri Sembilan	Condemn	27401 - Ubat Dan Dadah	Drug		Benzhexol 2 Mg Tablet	N04aa01110t1001xx	Benzhexol 2 Mg Tablet	02.0204.01	Pharmaniaga	Pharmaniaga Manufacturing Berhad	5,311	0.04	924.85	2022-03-18
2021	12	30	Jabatan Kesihatan Negeri Sembilan	Condemn	27499 - Bekalan Perubatan Kesihatan Dan Pergigian	Non-drug		Thermal Paper, High Density Glossy (sony-upp110hd)	G1820460001	Thermal Paper, High Density, Sz 110mm X 18m	G1820460001.00	Sonomed	Tele-paper (m) Sdn Bhd	20,642	42.32	12,068.61	2022-03-18
2021	12	31	Jabatan Kesihatan Negeri Sabah	Condemn	27499 - Bekalan Perubatan Kesihatan Dan Pergigian	Non-drug	Expired	Disposable Syringe 10 Ml	T2090100011	Disposable Syringe 10 Ml	12.3651.04	Sj	Selia-tek Industries	12,332	0.47	2,191.50	2022-03-18
													Total	120,406,054		17,377,432.86	

c) Excel

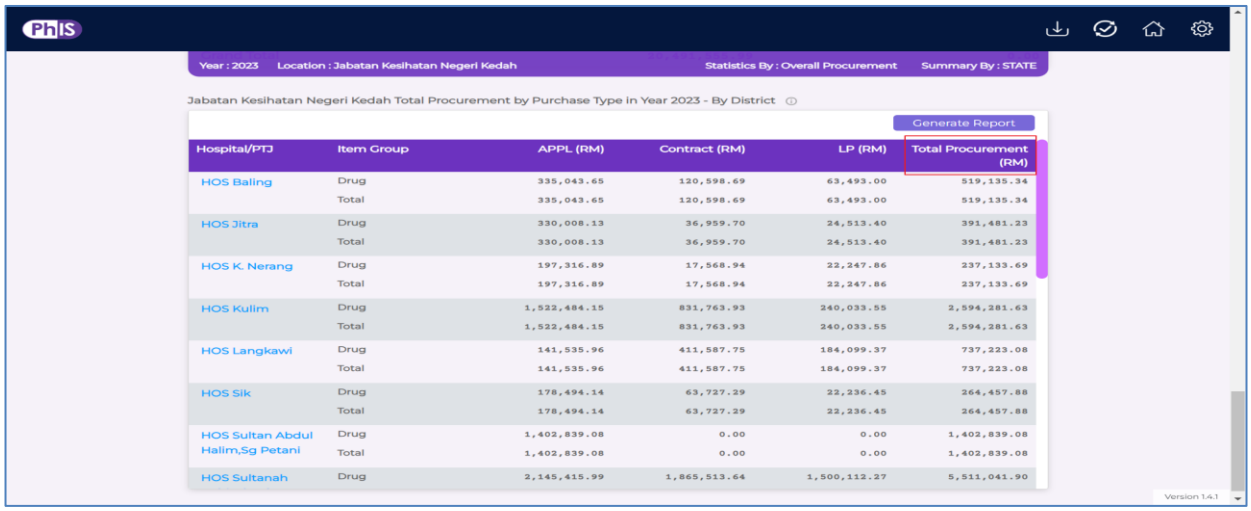


Approved Year	Approved Month	Approved Date	JKN/Institute	Type	Vote Object	Item Group	Justification	Drug/Non-Drug Name	Drug/Non-Drug Code	Item Desc	Item Code	Brand Name	Manufacturer	Quantity (SKU)	Unit Price (SKU) (RM)	Amount (RM)	Upload Date
2021	01	03	Jabatan Kesihatan Negeri Johor	Condemn	27401 - Ubat Dan Dadah	Drug	Expired	Fluoxetine Hcl 20 Mg Capsule/ Tablet	N06Ab03110C1001Xx	Fluoxetine Hcl 20 Mg Capsule/ Tablet	N06Ab03110C1001Xx.02	Anzack	Malaysian Pharmaceutical Industries (Mpi)	8091797.0	0.7	508014.76	2022-03-18
								Latex Examination Glove		Latex Examination Glove							

4.3 Dashboard – Overall Procurement – Label/Description Amendment

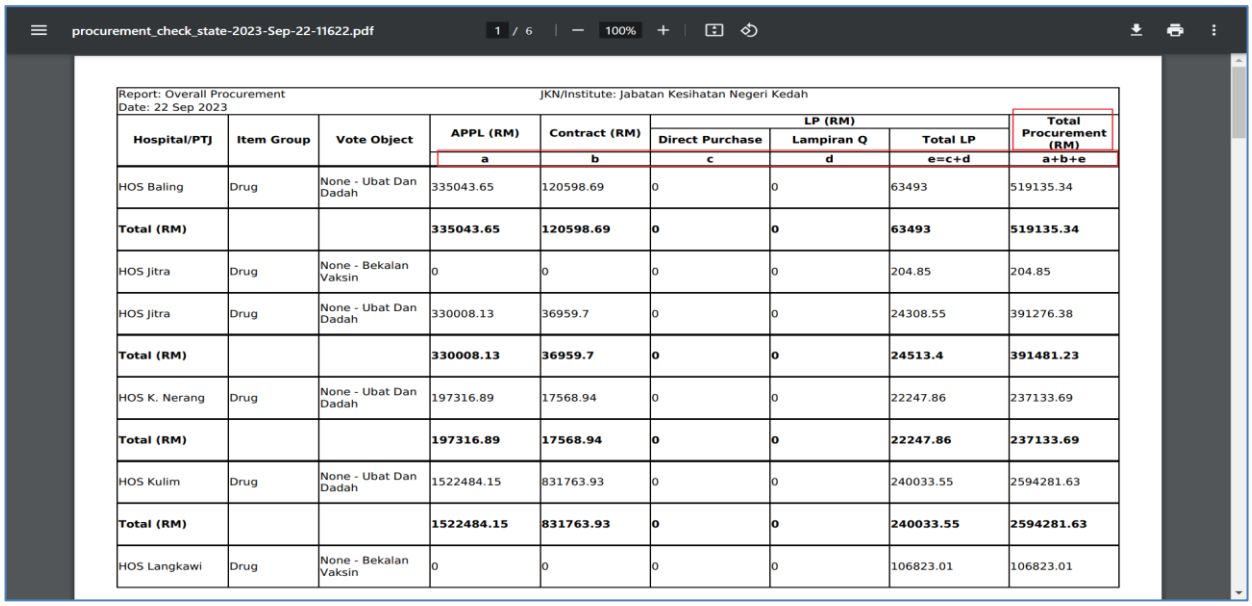
CR No	Module	Function	Description
R230010	Data Mining - PhARM	Dashboard - Overall Procurement	1. To rename 'Total (RM)' to 'Total Procurement (RM)' 2. Cosmetic changes on current label name 3. Changes will be applied to PDF and Excel report format as well. 4. Move label for formulation such as (a), (b) or (a+b+e) to new row. These changes apply to PDF format as well

a) Dashboard



Hospital/PTJ	Item Group	APPL (RM)	Contract (RM)	LP (RM)	Total Procurement (RM)
HOS Baling	Drug	335,043.65	120,598.69	63,493.00	519,135.34
	Total	335,043.65	120,598.69	63,493.00	519,135.34
HOS Jitra	Drug	330,008.13	36,959.70	24,513.40	391,481.23
	Total	330,008.13	36,959.70	24,513.40	391,481.23
HOS K. Nerang	Drug	197,316.89	17,568.94	22,247.86	237,133.69
	Total	197,316.89	17,568.94	22,247.86	237,133.69
HOS Kulim	Drug	1,522,484.15	831,763.93	240,033.55	2,594,281.63
	Total	1,522,484.15	831,763.93	240,033.55	2,594,281.63
HOS Langkawi	Drug	141,535.96	411,587.75	184,099.37	737,223.08
	Total	141,535.96	411,587.75	184,099.37	737,223.08
HOS Sik	Drug	178,494.14	63,727.29	22,236.45	264,457.88
	Total	178,494.14	63,727.29	22,236.45	264,457.88
HOS Sultan Abdul Halim,Sg Petani	Drug	1,402,839.08	0.00	0.00	1,402,839.08
	Total	1,402,839.08	0.00	0.00	1,402,839.08
HOS Sultanah	Drug	2,145,415.99	1,865,513.64	1,500,112.27	5,511,041.90

b) PDF



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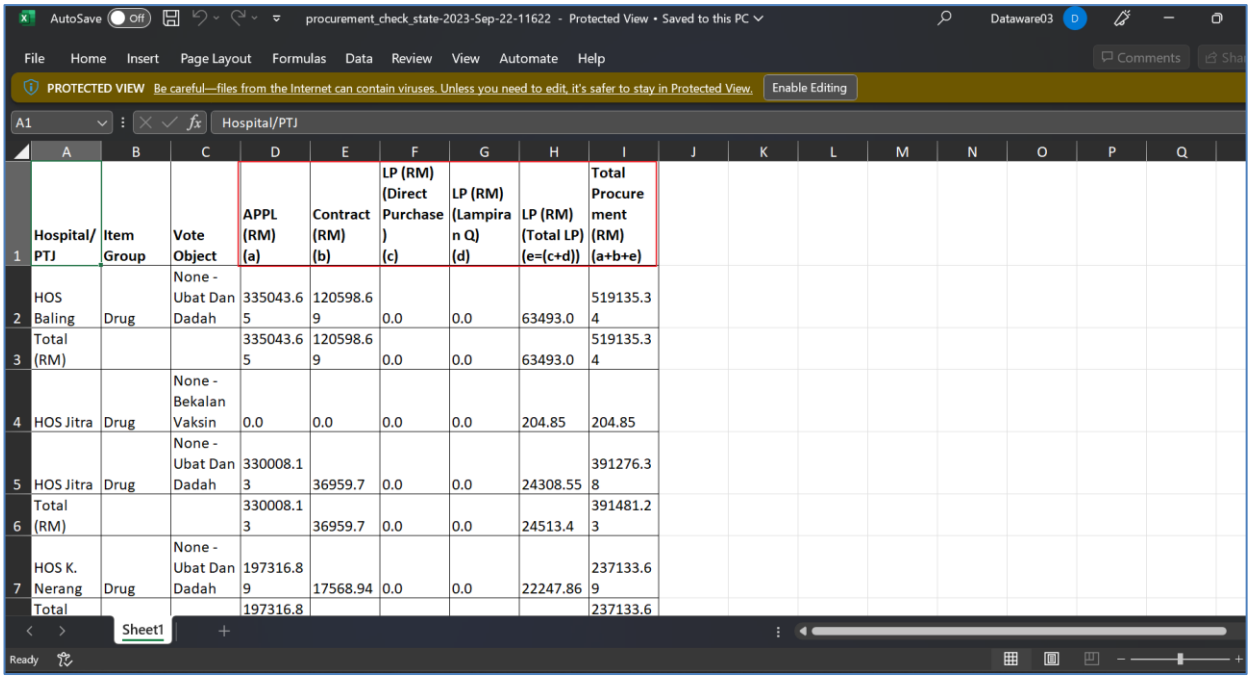
Hospital/PTJ	Item Group	Vote Object	APPL (RM)	Contract (RM)	LP (RM)			Total Procurement (RM)
					Direct Purchase	Lampiran Q	Total LP	
			a	b	c	d	e=c+d	a+b+e
HOS Baling	Drug	None - Ubat Dan Dadah	335043.65	120598.69	0	0	63493	519135.34
Total (RM)			**335043.65**	**120598.69**	**0**	**0**	**63493**	**519135.34**
HOS Jitra	Drug	None - Bekalan Vaksin	0	0	0	0	204.85	204.85
HOS Jitra	Drug	None - Ubat Dan Dadah	330008.13	36959.7	0	0	24308.55	391276.38
Total (RM)			**330008.13**	**36959.7**	**0**	**0**	**24513.4**	**391481.23**
HOS K. Nerang	Drug	None - Ubat Dan Dadah	197316.89	17568.94	0	0	22247.86	237133.69
Total (RM)			**197316.89**	**17568.94**	**0**	**0**	**22247.86**	**237133.69**
HOS Kulim	Drug	None - Ubat Dan Dadah	1522484.15	831763.93	0	0	240033.55	2594281.63
Total (RM)			**1522484.15**	**831763.93**	**0**	**0**	**240033.55**	**2594281.63**
HOS Langkawi	Drug	None - Bekalan Vaksin	0	0	0	0	106823.01	106823.01

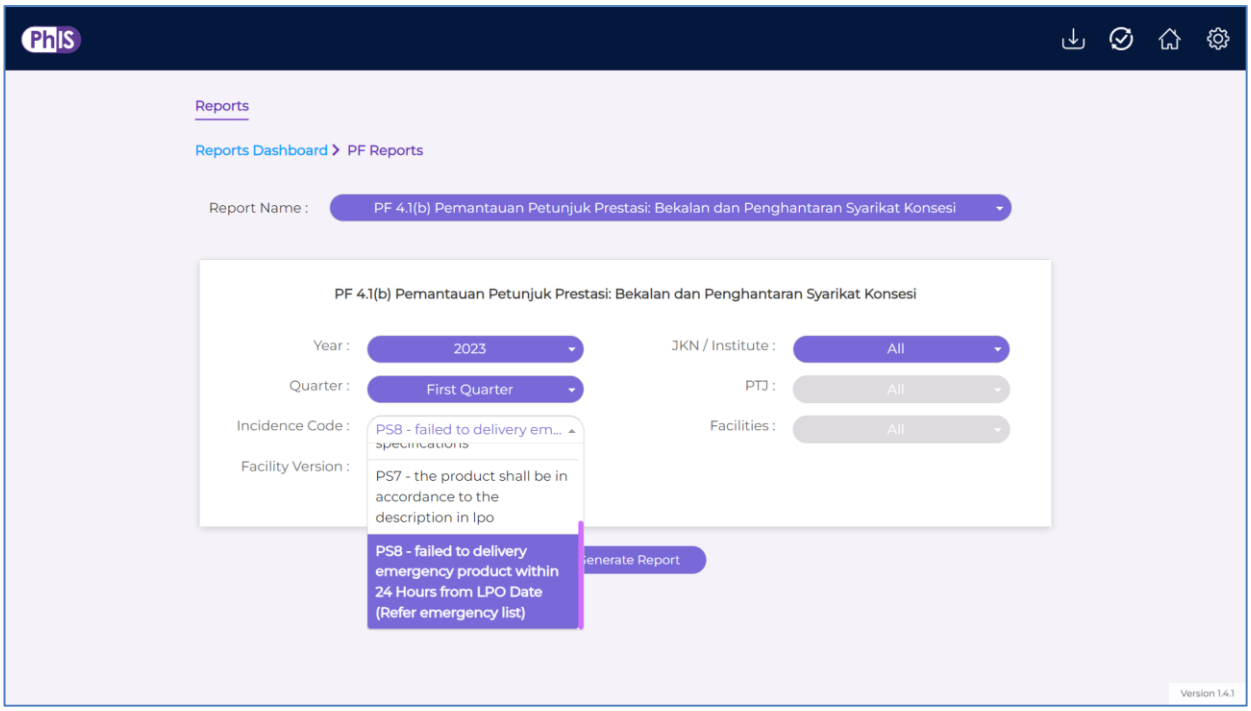
c) Excel



Hospital/ PTJ	Item Group	Vote Object	APPL (RM) (a)	Contract (RM) (b)	LP (RM) (Direct Purchase) (c)	LP (RM) (Lampiran Q) (d)	LP (RM) (Total LP) (e=(c+d))	Total Procurement (RM) (a+b+e)
HOS Baling	Drug	None - Ubat Dan Dadah	335043.65	120598.69	0.0	0.0	63493.0	519135.34
Total (RM)			335043.65	120598.69	0.0	0.0	63493.0	519135.34
HOS Jitra	Drug	None - Bekalan Vaksin	0.0	0.0	0.0	0.0	204.85	204.85
HOS Jitra	Drug	None - Ubat Dan Dadah	330008.13	36959.7	0.0	0.0	24308.55	391276.38
Total (RM)			330008.13	36959.7	0.0	0.0	24513.4	391481.23
HOS K. Nerang	Drug	None - Ubat Dan Dadah	197316.89	17568.94	0.0	0.0	22247.86	237133.69
Total			197316.8					237133.6

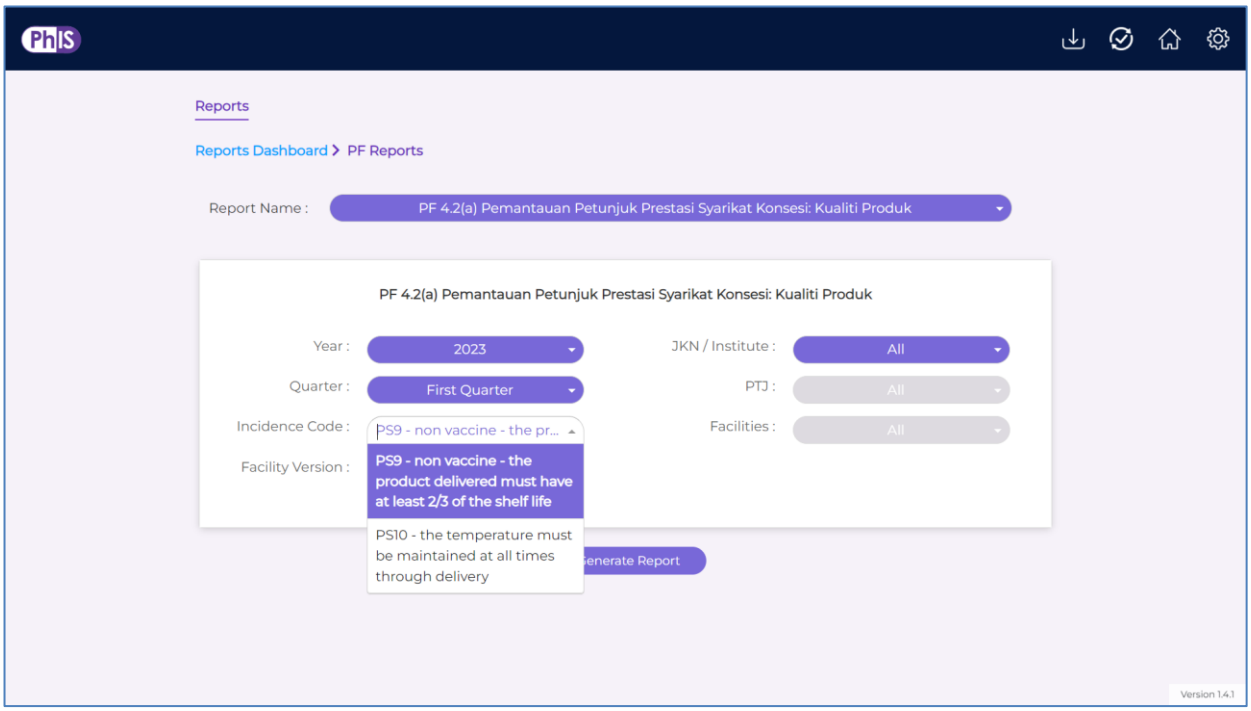
4.4 PF 4.1(b) – Label/Description Amendment

CR No	Module	Function	Description
R230012	Data Mining - PhARM	PF 4.1(b)	1. To remove '(29 item)' description from PS 8 filter 2. Change description for PS 8 filter to 'PS 8 - failed to delivery emergency product within 24 Hours from LPO Date (Refer emergency list)'



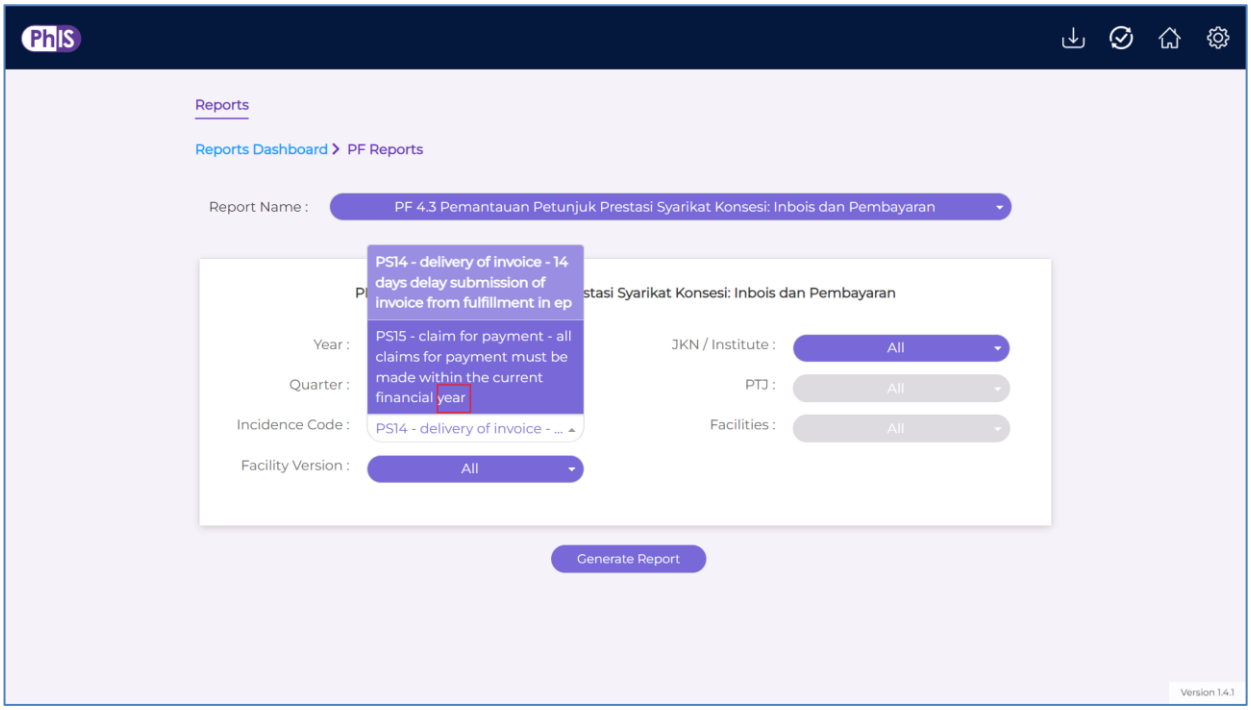
4.5 PF 4.2(a) – Label/Description Amendment

CR No	Module	Function	Description
R230012	Data Mining - PhARM	PF 4.2(a)	To remove 'within (2c-8c)' description from PS 10 filter



4.6 PF 4.3 – Label/Description Amendment

CR No	Module	Function	Description
R230012	Data Mining - PhARM	PF 4.3	To add word 'year' for PS 15 filter



5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	PhIS Dashboard Web	N/A	/var/www/src/phis-web
2	PhIS Dashboard API	N/A	/var/www/src/phis-api
3	PhIS Dashboard Python	N/A	/var/www/src/phis-python

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	Database	Mongo database	PhIS Dashboard pre-process data for analytics

5.3 Deployment/Installation Guidelines

5.3.1 Deployment

Below table is described the deployment steps at Dashboard server:

Step	Items	File Name	Source Path	Action
1	PhIS Dashboard Web	N/A	/var/www/src/phis-web	Run command: git fetch origin {1.4.1} git reset --hard FETCH_HEAD git clean -df
2	PhIS Dashboard API	N/A	/var/www/src/phis-api	Run command: git pull php artisan migrate
3	PhIS Dashboard Python	N/A	/var/www/src/phis-python	Run Command: git pull service/python-socket-server.sh restart