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

Klinik Kesihatan Seksyen 7

JKN SELANGOR
(ZONE 10)

1st Preventive Maintenance Report

P.M. Date	08 FEBRUARY 2018
Report ID	PM/REPORT/Z10/KKSEKSYEN7
Report Version	V1.0

Revision History:

Ver. No	Date of Release	Consolidated by	List of Changes from Previous Version	Signature & Date
1.0	08/02/2018	Muhammad Anuar bin Awaluddin	Initial document	MUHAMMAD ANUAR B. AWALUDDIN PhIS & CPS Implementation Pharmaniaga Logistic Sdn. Bhd. 8/2/18

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	UNIT FARMASI KLINIK KESIHATAN SEKSYEN 7 No 2 Persiaran Kayangan Seksyen 7 40000 Shah Alam, Selangor DE Tel : 03-55186531 Fax : 03-55186532
Designation / Department	
Date	

Appendix A

Certificate of Acceptance

EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS

1ST Preventive Maintenance (2018)
For
Klinik Kesihatan Seksyen 7

Summary findings for Preventive Maintenance conducted on 08/02/2018

No	Item	Allocated Quantity	Serviced Quantity	Remarks
1	Desktop	1	1	
2	LaserJet Printer	1	1	
3	Server	1	1	
4	UPS	1	1	

Signature & Stamp:

For PLSB	For Facility
Name: MUHAMMAD ANUAR B. AWAL... PhIS & CPS Implemen... Pharmaniaga Logistic Sdn. ...	Name:
Designation:	Designation:
Date: 8/2/18	Date: 8/2/18

KLINIK KESIHATAN SEKSYEN 7
No 2 Persiaran Kayangan Seksyen 7
40000 Shah Alam, Selangor DE
Tel : 03-55186531
Fax : 03-55186532

Appendix B

Preventive Maintenance Checklist

PREVENTIVE MAINTENANCE CHECKLIST
(SERVER / UPS / STORAGE)

FACILITY : KLINIK KESIHATAN SEKSYEN 7

STATE : SELANGOR

DEPT : IT

ZONE : 10

LOCATION : Server Room

SERVER 1

PAT ID	:	CPS/SEL-04/KKS-04/SVR-001
SERIAL NO	:	06GHEGD
MODEL	:	LENOVO X3650 M5

SERVER 2

PAT ID	:	
SERIAL NO	:	
MODEL	:	

UPS

PAT ID	:	CPS/SEL-04/KKS-04/UPS-001
SERIAL NO	:	152083479AF413
MODEL	:	LIEBERT GXT3-1000RT230

If Alert is tick (√), fill in & elaborate details in FINDINGS / COMMENTS /DETECTION session.

PART I – HARDWARE , CABLING & CONNECTIVITY (INSPECTION & PHYSICAL CHECK)

Standard Task:

	SERVER 1				SERVER 2				UPS			
	Function	Not Function & Resolved	Not Function & Unresolved		Function	Not Function & Resolved	Not Function & Unresolved		Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No			Alert	Ticket No			Alert	Ticket No
Cleaning	☐				☐							

Verify Condition :

	Function	Not Function & Resolved	Alert	Ticket No		Function	Not Function & Resolved	Alert	Ticket No
Connection via LAN / USB	☑	☐	☐			☐	☐	☐	
Fan / Power Supply	☑	☐	☐			☐	☐	☐	
Light Path Diagnosis panel	☑	☐	☐			☐	☐	☐	
UTP Cable connect to switch	☐	☐	☐			☐	☐	☐	
HA Gateway to Core Swtich *(For Hospital only)*	☐	☐	☐			☐	☐	☐	

UPS

	Function	Not Function & Resolved	Alert	Ticket No
By pass Test	☑	☐	☐	
Webcard	☑	☐	☐	
Multilink	☑	☐	☐	

	Available	Type	Faulty
Backup Tape			
	Qty		

PART II – SETUP & HEALTH CHECK ☐ N/A

Run DSA & collect DSA Log

	Function	Not Function & Resolved	Alert	Ticket No
SERVER 1	☑	☐	☐	
SERVER 2	☐	☐	☐	

Software/Firmware Version :

	SERVER 1		SERVER 2	
	Current	Updated	Current	Updated
ClamAV	0.98.3			
Zabbix	2.2.6			
Bacula	5.2.12			
Glassfish	3.1.2.2			
UEFI				
IMM2				

System Software

	SERVER 1		SERVER 2	
	Current	Updated	Current	Updated
SUSE LINUX (OS)	SUSE 11			
Kernel	3-0.76-0.11			
GCC	4.3.4			

Housekeeping:

Clear /tmp folder > 2 weeks ☐

Archive Log Files ☐

SERVER 1	SERVER 2
Screenshot / attachment	Screenshot / attachment

PREVENTIVE MAINTENANCE CHECKLIST
(SERVER / UPS / STORAGE)

PAT ID :

SERIAL NO:

TYPE : STORAGE

PART III - STORAGE

N/A ☐

Perform Health Check:	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Storage Manager Error Alerts	☐	☐	☐	
Storage events logs	☐	☐	☐	
HDD indicator lights	☐	☐	☐	
Enable read/write cache	☐	☐	☐	
Enable Media Scan both at controller level and LUN level	☐	☐	☐	

Software/Firmware Version :	Current	Updated
Controller		
ESM		
Driver		

PART IV - FINDINGS / ALERTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER	PHARMANIAGA LOGISTICS SDN BHD (PLSB)
Signature & Stamp	Signature & Stamp
Customer Name	Engineer Name
Date	Date

PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)

FACILITY : KLINIK KESIHATAN SEKSYEN 7 DEPT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

PAT ID : CPS/SEL-04/KKS-04/PCD-001 DESKTOP / NOTEBOOK / LASERJET / THERMAL PRINTER Location : OUTPATIENT PHARMACY

S/N CPU : PCO5FL21 MONITOR : V9O1ETN9 KEYBOARD : 0000299 MOUSE : HS515HA1RAV Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK N/A ☐

All Device:

Cleaning ☑

Verify Condition :

	Yes	No	N/A
Connection via LAN / USB			
Fan/ Power Supply/ Charger			

Desktop/Notebook:

	Yes	No	N/A
Device is harden	☐	☑	☐
MEMORY : 2 GB	☐	☑	☐
4 GB	☐		

Hard Disk Utilization (GB) :
1st Partition
2nd Partition

PART II - STANDARD HEALTH CHECK

	Function	Not Function & Resolved	Not Function & Unresolved		
			Alert	Free	Ticket No
Connection via LAN / USB	☑	☐	☐		
Fan/ Power Supply/ Charger	☑	☐	☐		
1st Partition				Used 122	
2nd Partition				763 114 136	

PART III - STANDARD SETUP N/A ☐

Verification:

	Function	Not Function & Resolved
IWP	☑	☐
KYM	☑	☐
PhIS Portal	☑	☐

Auto update disabled:

	Function	Not Function & Resolved	Current Version	Updated Version
(a) Java (JKD 6 update 30)	☑	☐		
(b) Internet Explorer 9 (64bits)	☑	☐		
ClamAv - Ver 0.98.3	☑	☐		
Microsoft Office	☑	☐		
BCP (BCP PC only)	☑	☐		
Backup PC (Bacula Web)	☑	☐		

PAT ID : CPS/SEL-04/KKS-04/UP-001 DESKTOP / NOTEBOOK / LASERJET / THERMAL PRINTER Location : OUTPATIENT PHARMACY

S/N CPU : 4S14SPLM2H6VC MONITOR : KEYBOARD : MOUSE : Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK N/A ☐

All Device:

Cleaning ☑

Verify Condition :

	Yes	No	N/A
Connection via LAN / USB			
Fan/ Power Supply/ Charger			

Desktop/Notebook:

	Yes	No	N/A
Device is harden	☐	☐	☐
MEMORY : 2 GB	☐	☐	☐
4 GB	☐		

Hard Disk Utilization (GB) :
1st Partition
2nd Partition

PART II - STANDARD HEALTH CHECK

	Function	Not Function & Resolved	Not Function & Unresolved		
			Alert	Free	Ticket No
Connection via LAN / USB	☑	☐	☐		
Fan/ Power Supply/ Charger	☑	☐	☐		
1st Partition				Used	
2nd Partition					

PART III - STANDARD SETUP N/A ☑

Verification:

	Function	Not Function & Resolved
IWP	☐	☐
KYM	☐	☐
PhIS Portal	☐	☐

Auto update disabled:

	Function	Not Function & Resolved	Current Version	Updated Version
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(b) Internet Explorer 9 (64bits)	☐	☐		
ClamAv - Ver 0.98.3	☐	☐		
Microsoft Office	☐	☐		
BCP (BCP PC only)	☐	☐		
Backup PC (Bacula Web)	☐	☐		

PART IV - FINDINGS / ALERTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp

Customer Name

Date

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name

Date

MUHAMMAD AMNIAR B. AWALUDDIN
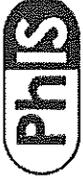CBS Engineer
Pharmaniaga Logistic Sdn. Bhd.

Appendix C
Hardware Inventory List

PhIS & CPS PROJECT

Hardware Inventory List

List of equipment available in the facility as per below table:

1 PCD

No	CPU	MONITOR	KEYBOARD	MOUSE	ASSET TAGGING	DEPARTMENT	LOCATION
1	PC05FL21	V901ETN9	0000299	HS515HA1RAV	CPS/SEL-04/KKS-04/PCD-001	Outpatient Pharmacy	Outpatient Pharmacy

2. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	45145PLM2G6VC	CPS/SEL-04/KKS-04/LJP-001	Outpatient Pharmacy	Outpatient Pharmacy

3.SERVER

No.	SERVER	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHEGD	CPS/SEL-04/KKS-04/SVR-001	IT	Server Room

4.UPS

No.	UPS	ASSET TAGGING	DEPARTMENT	LOCATION
1	151730522AF413	CPS/SEL-04/KKS-04/UPS-001	IT	Server Room