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

Klinik Kesihatan Kampung Gial

JKN PERLIS
(ZONE 1)

1st Preventive Maintenance Report

P.M. Date	27FEBRUARY 2019
Report ID	PM/REPORT/ZONE1/KKKAMPUNGGIAL
Report Version	V1.0

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Revision History:

Ver. No	Date of Release	Consolidated by	List of Changes from Previous Version	Signature & Date
1.0	27/02/2019	Mohd Rizal Shaarin	Initial document	Mohd Rizal Shaarin Field Technical Engineer

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	IMRAN BIN IDRIS Kpn: 7767 Pegawai Farmasi YM Klinik Kesihatan Kg. Gial 02500 MATA AYER
Designation / Department	
Date	

Appendix A

Certificate of Acceptance

PhIS

pharmaniaga

EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS

1st Preventive Maintenance (2019)
For
Klinik Kesihatan Kampung Gial

Summary findings for Preventive Maintenance conducted on 27/02/2019

No	Item	Allocated Quantity	Serviced Quantity	Remarks
1	Desktop	3	3	
2	LaserJet Printer	1	1	
3	Switch	1	1	
4	Server	1	1	
5	UPS	1	1	
6	Thermal Printer	1	1	

Signature & Stamp:

For PLSB	For Facility
Name: Mohd Rizal Shaarin Designation: Field Technical Engineer Date: 27/2/2019	Name: IMRAN BIN IDRIS Rph 7767 Designation: Pegawai Farmasi Y/M Date: Klinik Kesihatan Kg. Gial 02500 MATA AYER

Appendix B

Preventive Maintenance Checklist

(FORM 1)

PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)

FACILITY : KLINIK KESIHATAN KAMPUNG GIAL | DEPT : OUTPATIENT PHARMACY | LOCATION : | STATE : PERLIS | ZONE : 1

PAT ID : CPS/PLS-01/KKS-07/PCD-001 | DESKTOP / ~~NOTEBOOK / LASERJET / THERMAL PRINTER~~ | Location : Procurement

S/N CPU : PC04MX96 | MONITOR: V9019X4M | KEYBOARD : 0003203 | MOUSE: 44F5809 | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

All Device:
Cleaning ☑

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

PART II - STANDARD HEALTH CHECK

N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	
Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition	119	120	☐	
2nd Partition	77.7	134	☐	

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 0.99.1	☑	☐	☐	
Microsoft Office	☑	☐	☐	
BCP (BCP PC only)	☑	☐	☐	
Backup PC (Bacula Web)	☑	☐	☐	

PAT ID : CPS/PLS-01/KKS-07/PCD-002 | DESKTOP / ~~NOTEBOOK / LASERJET / THERMAL PRINTER~~ | Location : Screening, ,Verification, Labelling & Dispensing 1

S/N CPU : PC04MX94 | MONITOR: V901MRHD | KEYBOARD : 0001627 | MOUSE: 5F19304922B | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

All Device:
Cleaning ☑

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

PART II - STANDARD HEALTH CHECK

N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	
Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition	129	110	☐	
2nd Partition	75.6	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 0.99.1	☑	☐	☐	
Microsoft Office	☑	☐	☐	
BCP (BCP PC only)	☐	☐	☐	
Backup PC (Bacula Web)	☐	☐	☐	

PAT ID : CPS/PLS-01/KKS-07/PCD-003 | DESKTOP / ~~NOTEBOOK / LASERJET / THERMAL PRINTER~~ | Location : Screening, ,Verification, Labelling & Dispensing 2

S/N CPU : PC04MX8G | MONITOR: V9023WMZ | KEYBOARD : 0003199 | MOUSE: 44F7287 | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

All Device:
Cleaning ☑

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

PART II - STANDARD HEALTH CHECK

N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	
Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition	129	109	☐	
2nd Partition	78.9	133	☐	

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 0.99.1	☑	☐	☐	
Microsoft Office	☑	☐	☐	
BCP (BCP PC only)	☐	☐	☐	
Backup PC (Bacula Web)	☐	☐	☐	

PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)

(FORM 1)

FACILITY : KLINIK KESIHATAN KAMPUNG GIAL | DEPT : OUTPATIENT PHARMACY | LOCATION : | STATE : PERLIS | ZONE : 1

PAT ID : CPS/PLS-01/KKS-07/LJP-001 | ~~DESKTOP / NOTEBOOK /~~ LASERJET / ~~THERMAL PRINTER~~ | Location : Screening, ,Verification, Labelling & Dispensing 1

S/N CPU : 45146PLM2Y57X | MONITOR: | KEYBOARD : | MOUSE: | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

N/A ☐

All Device:

Cleaning ☑

Desktop/Notebook: Yes ☐ No ☐ N/A ☐

Device is harden

MEMORY : 2 GB ☐ 4 GB ☐

PART II - STANDARD HEALTH CHECK

N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	

Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition			☐	
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
(a) Java (JKD 6 update 30)	☐	☐	☐	
(b) Internet Explorer 9 (64bits)	☐	☐	☐	
ClamAv - Ver 0.99.1	☐	☐	☐	
Microsoft Office	☐	☐	☐	
BCP (BCP PC only)	☐	☐	☐	
Backup PC (Bacula Web)	☐	☐	☐	

PAT ID : CPS/PLS-01/KKS-07/THP-001 | ~~DESKTOP / NOTEBOOK / LASERJET~~ / THERMAL PRINTER | Location : Screening, ,Verification, Labelling & Dispensing 2

S/N CPU : 2305Y000875 | MONITOR: | KEYBOARD : | MOUSE: | Loaned: ☐ | Unlocated : ☐ | Relocated : ☐

PART I - STANDARD TASK

N/A ☐

All Device:

Cleaning ☑

Desktop/Notebook: Yes ☐ No ☐ N/A ☐

Device is harden

MEMORY : 2 GB ☐ 4 GB ☐

PART II - STANDARD HEALTH CHECK

N/A ☐

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Connection via LAN / USB	☑	☐	☐	
Fan/ Power Supply/ Charger	☑	☐	☐	

Hard Disk Utilization (GB) :	Used	Free	Alert	Ticket No
1st Partition			☐	
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
(a) Java (JKD 6 update 30)	☐	☐	☐	
(b) Internet Explorer 9 (64bits)	☐	☐	☐	
ClamAv - Ver 0.99.1	☐	☐	☐	
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

IMRAN BIN IDRIS Rph 7797
Pegawai Farmasi Y/M
Klinik Kesihatan Kg. Gial
02600 MATA AYER

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name: Mohd Rizal Shaarin
Field Technical Engineer

Date: 27/2/2019

PREVENTIVE MAINTENANCE CHECKLIS
(CORE SWTICH / DISTRIBUTION SWITCH)

(FORM 3)

FACILITY : KLINIK KESIHATAN KAMPUNG GIAL DEPT : IT LOCATION : STATE : PERLIS ZONE : 1

PAT ID : CPS/PLS-01/KKS-07/DSW-001

SERIAL NO: DNI191300GP

~~CORE SWITCH~~ / DISTRIBUTION SWITCH

Location : Outpatient Pharmacy

Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK

Cleaning ☑

PART II - STANDARD HEALTH CHECK

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Not Function & Unresolved: Ticket No
Cable & Connection	☑	☐	☐	
Power Supply	☑	☐	☐	
Check LED Status				
System LED	☑	☐	☐	
Master LED	☐	☐	☐	
STACK ID	☐	☐	☐	

PART III - STANDARD SETUP

SSH Access & Connection	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Not Function & Unresolved: Ticket No
Execute Putty to start	☑	☐	☐	
Specify the IP to connect	☑	☐	☐	
Test Login	☑	☐	☐	
Test & Verify Management IP via console access	☑	☐	☐	

PAT ID :

SERIAL NO:

~~CORE SWITCH / DISTRIBUTION SWITCH~~

Location :

Loaned ☐ Unlocated ☐ Relocated ☐

PART I - STANDARD TASK

Cleaning ☐

PART II - STANDARD HEALTH CHECK

Verify Condition :	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Not Function & Unresolved: Ticket No
Cable & Connection	☐	☐	☐	
Power Supply	☐	☐	☐	
Check LED Status				
System LED	☐	☐	☐	
Master LED	☐	☐	☐	
STACK ID	☐	☐	☐	

PART III - STANDARD SETUP

SSH Access & Connection	Function	Not Function & Resolved	Not Function & Unresolved: Alert	Not Function & Unresolved: Ticket No
Execute Putty to start	☐	☐	☐	
Specify the IP to connect	☐	☐	☐	
Test Login	☐	☐	☐	
Test & Verify Management IP via console access	☐	☐	☐	

PART IV - FINDINGS / COMMENTS / DETECTION

FURTHER ACTION / RECOMMENDATION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp

Customer Name

Date

IMRAN BIN IDRIS Kpr: 7767
Pegawai Farmasi YM
Klinik Kesihatan Kg. Gial
02500 MATA AYER

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name

Date

Mohd Rizal Shaarin
Field Technical Engineer
27/2/2019

PREVENTIVE MAINTENANCE CHECKLIST
(SERVER / UPS / ~~STORAGE~~)

(FORM 2)

FACILITY : KLINIK KESIHATAN KAMPUNG GIAL

DEPT : IT

LOCATION : Outpatient Pharmacy

STATE : PERLIS

ZONE : 1

SERVER 1		SERVER 2		UPS	
PAT ID :	CPS/PLS-01/KKS-07/SVR-001	PAT ID :		PAT ID :	CPS/PLS-01/KKS-07/UPS-001
SERIAL NO :	J30FHR0	SERIAL NO :		SERIAL NO :	1526803015AF413
MODEL :	LENOVO X3500 M5	MODEL :		MODEL :	EmersonGXT3-1000RT230

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

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

Standard Task:

Cleaning ☑

Verify Condition :

	SERVER 1				SERVER 2			
	Function	Not Function & Resolved	Not Function & Unresolved		Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No			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	Not Function & Unresolved	
			Alert	Ticket No
By pass Test	☑	☐	☐	
Webcard	☑	☐	☐	
Multilink	☑	☐	☐	

Backup Tape	Available	Type	Faulty
Qty	5	RDX	

PART II - SETUP & HEALTH CHECK

N/A ☐

	Function	Not Function & Resolved	Not Function & Unresolved	
			Alert	Ticket No
Run DSA & collect DSA Log				
SERVER 1	☑	☐	☐	
SERVER 2	☐	☐	☐	

Software/Firmware Version :

	SERVER 1		SERVER 2	
	Current	Updated	Current	Updated
ClamAV	0.99.1			
Zabbix	2.2.6			
Bacula	5.2.12			
Glassfish	3.1.2.2			
UEFI	1.11			
IMM2	1.75			

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:

	SERVER 1	SERVER 2
Clear /tmp folder > 2 weeks ☑	*Screenshot / attachment*	*Screenshot / attachment*
Archive Log Files ☑		

PREVENTIVE MAINTENANCE CHECKLIST

(~~SERVER / UPS / STORAGE~~)

(FORM 2)

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

Signature & Stamp

Customer Name

Date

[illegible] BIN [illegible] Apt 7767
Pegawai Farmasi Y/M
Klinik Kesihatan Kg. Gial
02500 MATA AYER

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp

Engineer Name

Date

Mohd Rizal Shaarin
Field Technical Engineer
27/2/2019

Appendix C

Hardware Inventory List

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	PC04MX96	V9019X4M	0003203	44F5809	CPS/PLS-01/KKS-07/PCD-001	Outpatient Pharmacy	Procurement
2	PC04MX94	V901MRHD	0001627	5F19304922B	CPS/PLS-01/KKS-07/PCD-002	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing 1
3	PC04MX8G	V9023WMZ	0003199	44F7287	CPS/PLS-01/KKS-07/PCD-003	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing 2

2. THERMAL PRINTER

No.	THERMAL S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	2305Y000875	CPS/PLS-01/KKS-07/THP-001	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing 2

3. LASERJET PRINTER

No.	LASERJET S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	45146PLM2Y57X	CPS/PLS-01/KKS-07/LJP-001	Outpatient Pharmacy	Screening, Verification, Labelling & Dispensing 1

4.NETWORK SWITCH

No.	SWITCH S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	DNI191300GP	CPS/PLS-01/KKS-07/DSW-001	IT	Outpatient Pharmacy

5.SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	J30FHR0	CPS/PLS-01/KKS-07/SVR-001	IT	Outpatient Pharmacy

6.UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1526803015AF413	CPS/PLS-01/KKS-07/UPS-001	IT	Outpatient Pharmacy