



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

Klinik Kesihatan Sungai Tinggi Kanan

**JKN SELANGOR
(ZONE 9)**

1ST Preventive Maintenance Report

P.M. Date	4 MAY 2018
Report ID	PM/REPORT/Z9/KKSUNGAITENGIKANAN
Report Version	V1.0



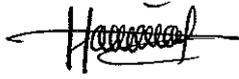
PhIS & CPS PROJECT



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**Revision History:**

Ver. No	Date of Release	Consolidated by	List of Changes from Previous Version	Signature & Date
1.0	4.5.18	Ahmad Heiqal Bin Noor Zaman	Initial document	 Ahmad Heiqal Noor Zaman Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd.

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	 AHMAD SYUKRI BIN MOHAMED @ HARUN RPN 10282 PEGAWAL FARMASI KLINIK KESIHATAN SG TENGI KANAN
Designation / Department	
Date	



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Appendix A

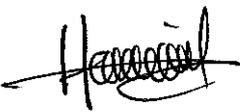
Certificate of Acceptance

**EXECUTION OF PREVENTIVE MAINTENANCE****Project: PhIS & CPS****1ST Preventive Maintenance (2018)****For****Klinik Kesihatan Sungai Tinggi Kanan**

Summary findings for Preventive Maintenance conducted on : 4.5.18

No	Item	Allocated Quantity	Serviced Quantity	Remarks
1	Desktop	1	1	
2	Laserjet Printer	1	1	
3	Ups	1	1	
4	Switch Server	1	1	
5	Thermal Printer	1	1	

Signature & Stamp:

<u>For PLSB</u>	<u>For Facility</u>
 Name: Ahmad Heiqal Noor Zaman Designation: Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. Date:	 Name: AHMAD SYUKRI BIN MOHAMED @ HARUN Designation: RPH 10262 PEGAWAI FARMASI KLINIK KESIHATAN SG TENGI KANAN Date:



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Appendix B

Preventive Maintenance Checklist

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

(FORM 2)

FACILITY : **KK SUNGAI TENGI KANAN**
STATE : **SELANGOR**

IT
ZONE : **9**

LOCATION : **BIRU Pelbagai**

SERVER 1	SERVER 2	UPS
PAT ID : CPS/SEL-05/KKS-06/SVR-001	PAT ID : CPS/SEL-05/KKS-06/UPS-001	
SERIAL NO : 06F2MMY	SERIAL NO : 15Z38093136AF413	
MODEL : LENOVO X3650 M5	MODEL : LIEBERT 3KVA	

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

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

Standard Task:

Cleaning

Verify Condition :

Connection via LAN / USB

Fan/ Power Supply

Light Path Diagnosis panel

UTP Cable connect to switch

HA Gateway to Core Switch

(For Hospital only)

SERVER 2		
Function	Not Function & Unresolved	Alert
		Ticket No
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

UPS		
Function	Not Function & Unresolved	Alert
		Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

By pass Test

Webcard

Multilink

Available	Faulty	Type
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PART II - SETUP & HEALTH CHECK

Function	Not Function & Unresolved	Alert
		Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

N/A

Run DSA & collect DSA Log
SERVER 1
SERVER 2

SERVER 1		SERVER 2	
Current	Updated	Current	Updated
0.99.1		0.99.1	
2.2.6		2.2.6	
5.2.12		5.2.12	
3.1.2.2		3.1.2.2	
1.2		1.2	
1.92		1.92	

Software/Firmware Version :

ClamAV
Zabbix
Bacula
Glassfish
UEFI
IMM2

System Software

SUSE LINUX (OS)
Kernel
GCC

Housekeeping:

Clear /tmp folder > 2 weeks
Archive Log Files

SERVER 2	
Current	Updated
X86_64	
3.0.75	
4.3.4	

SERVER 1	
Current	Updated
X86_64	
3.0.75	
4.3.4	

SERVER 2	
Current	Updated
X86_64	
3.0.75	
4.3.4	

SERVER 1	
Current	Updated
X86_64	
3.0.75	
4.3.4	

Screenshot / attachment

Screenshot / attachment

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

(FORM 2)

PAT ID : _____
 SERIAL NO: _____
 TYPE : _____ STORAGE

PART III - STORAGE N/A

Function	Not Function & Resolved		Not Function & Unresolved	
	Alert	Resolution	Alert	Ticket No
Perform Health Check:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage Manager Error Alerts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storage events logs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HDD indicator lights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enable read/write cache	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enable Media Scan both at controller level and LUN level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Software/Firmware Version :

Controller	Updated
ESM	
Driver	

PART IV - FINDINGS / ALERTS / DETECTION

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp
 Customer Name
 Date


 AHMAD SYUKRI BIN MOHAMED @ HARLIN
 RPH 10282
 PEGAWAI FARMASI
 KLINIK KESIHATAN SG TENGGI KANAN

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp
 Engineer Name
 Date


 Ahmad Heiqal Noor Zaman
 Field Technical Engineer
 Pharamniaga Logistics Sdn. Bhd.

**PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)**

FACILITY :	DEPT :	LOCATION :	STATE :	ZONE :
PAT ID :	DESKTOP / NOTEBOOK / LASERJET / THP / BSW / BSM/ MYKAD/ TAB		Location :	
S/N CPU :	MONITOR :	KEYBOARD :	MOUSE :	<input type="checkbox"/> Leaned <input type="checkbox"/> Unlocated <input type="checkbox"/> Relocated <input type="checkbox"/>
PART II - STANDARD HEALTH CHECK				
PART I - STANDARD TASK All Devices: <input type="checkbox"/> Cleaning <input type="checkbox"/> Desktop/Notebook/TAB: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> * Device is harden <input type="checkbox"/> MEMORY : 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>		PART III - STANDARD SETUP Verification: <input type="checkbox"/> IWP <input type="checkbox"/> KYM <input type="checkbox"/> PHIS Portal <input type="checkbox"/> Auto update disabled: (a) Java (JDK 6 update 30) <input type="checkbox"/> (b) Internet Explorer 9 (64bits) <input type="checkbox"/> ClamAv - Ver.0.99.1 <input type="checkbox"/> Microsoft Office <input type="checkbox"/> BCP (BCP PC only) <input type="checkbox"/> Backup PC (Bacula Web) <input type="checkbox"/> IOS Version - TAB only <input type="checkbox"/>		
PART II - STANDARD HEALTH CHECK				
Verify Condition : <input type="checkbox"/> Connection via LAN / USB <input type="checkbox"/> Fan/ Power Supply/ Charger <input type="checkbox"/> Hard Disk Utilization (GB) : 1st Partition <input type="checkbox"/> 2nd Partition <input type="checkbox"/> Storage (TAB only) <input type="checkbox"/>		Not Function & Resolved <input type="checkbox"/> Alert <input type="checkbox"/> Ticket No <input type="checkbox"/> Free <input type="checkbox"/> Alert <input type="checkbox"/> Ticket No <input type="checkbox"/>		
PART I - STANDARD TASK				
All Devices: <input type="checkbox"/> Cleaning <input type="checkbox"/> Desktop/Notebook/TAB: Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> * Device is harden <input type="checkbox"/> MEMORY : 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>		PART III - STANDARD SETUP Verification: <input type="checkbox"/> IWP <input type="checkbox"/> KYM <input type="checkbox"/> PHIS Portal <input type="checkbox"/> Auto update disabled: (a) Java (JDK 6 update 30) <input type="checkbox"/> (b) Internet Explorer 9 (64bits) <input type="checkbox"/> ClamAv - Ver.0.99.1 <input type="checkbox"/> Microsoft Office <input type="checkbox"/> BCP (BCP PC only) <input type="checkbox"/> Backup PC (Bacula Web) <input type="checkbox"/> IOS Version - TAB only <input type="checkbox"/>		
PART II - STANDARD HEALTH CHECK				
Verify Condition : <input type="checkbox"/> Connection via LAN / USB <input type="checkbox"/> Fan/ Power Supply/ Charger <input type="checkbox"/> Hard Disk Utilization (GB) : 1st Partition <input type="checkbox"/> 2nd Partition <input type="checkbox"/> Storage (TAB only) <input type="checkbox"/>		Not Function & Resolved <input type="checkbox"/> Alert <input type="checkbox"/> Ticket No <input type="checkbox"/> Free <input type="checkbox"/> Alert <input type="checkbox"/> Ticket No <input type="checkbox"/>		
PART IV - FINDINGS / ALERTS / DETECTION				
PART V - ACKNOWLEDGEMENT				
Signature & Stamp Customer Name Date		Signature & Stamp Engineer Name Date		
T. STUKRI BIN MOHAMMED @ HARUN RMA 18282 PEGAWAI FARMASI KESIHATAN SG TENGGI KANAN		PHARMANIAGA LOGISTICS SDN BHD (PLSB) Ahmad Heiqal Noor Zaman Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd.		



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Appendix C

Hardware Inventory List



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Hardware Inventory List

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

1. PC

No	CPU	MONITOR	KEYBOARD	MOUSE	ASSET TAGGING	DEPARTMENT	LOCATION
1	PC071AQP	V901W7V8	03102687	5G34502109B	CPS/SEL-05/KKS-06/PCD-001	Outpatient Pharmacy	Acknowledgement, Screening, Verification, Labelling & Dispensing

2. LASERJET PRINTER

No.	LJP	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GMNW	CPS/SEL-05/KKS-06/LJP-001	Outpatient Pharmacy	Acknowledgement, Screening, Verification, Labelling & Dispensing

3. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06FZMMV	CPS/SEL-05/KKS-06/SVR-001	IT	Bilik Pelbagai

4. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1523803136AF413	CPS/SEL-05/KKS-06/UPS-001	IT	Bilik Pelbagai

5. THERMAL PRINTER

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	2305P000268	CPS/SEL-05/KKS-06/THP-001	Outpatient Pharmacy	Acknowledgement, Screening, Verification, Labelling & Dispensing