

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

Klinik Kesihatan Taman Ehsan

**JKN SELANGOR
(ZONE 10)**

1ST Preventive Maintenance Report

P.M. Date	25 JAN 2018
Report ID	PM/REPORT/Z10/KKTAMANEHSAN
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	25/01/2018	Muhamad Anas Bin Ramlan	Initial document	 MUHAMMAD ANAS BIN RAMLAN Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. 25/1/18

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	
Designation / Department	LIM PEI LI PEGAWAI FARMASI U41 25/1/18
Date	



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Appendix A

Certificate of Acceptance

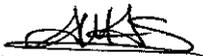
EXECUTION OF PREVENTIVE MAINTENANCE

Project: PhIS & CPS
1st Preventive Maintenance (2018)
For
Klinik Kesihatan Taman Ehsan

Summary findings for Preventive Maintenance conducted on 25/01/2018:

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:

<p><u>For PLSB</u></p> <p align="center">  MUHAMMAD ANAS BIN RAMLAN Field Technical Engineer Pharmaniaga Logistics Sdn. Bhd. 25/1/18 </p> <p>Name:</p> <p>Designation:</p> <p>Date:</p>	<p><u>For Facility</u></p> <p align="center">  LIM PEI LI PEGAWAI FARMASI U41 25/1/18 </p> <p>Name:</p> <p>Designation:</p> <p>Date:</p>
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Appendix B

Preventive Maintenance Checklist

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

(FORM 2)

FACILITY : **KLINIK KESIHATAN TAMAN EHSAN**
 STATE : **SELANGOR**

DEPT : **IT**
 ZONE : **10**

LOCATION : **Server Room**

	SERVER 1	SERVER 2	UPS
PAT ID :	CPS/SEL-08/KKS-03/SVR-001		CPS/SEL-08/KKS-03/UPS-001
SERIAL NO :	06GHEGV		1520603191AF413
MODEL :	IBM X3500 M5		LIEBERT GX73-1000R7230

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

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

Standard Task:	SERVER 1			SERVER 2			UPS		
	Function	Not Function & Resolved	Alert						
Cleaning	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Verify Condition :									
Connection via LAN / USB	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Fan/ Power Supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
Light Path Diagnosis panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
UTP Cable connect to switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>							
HA Gateway to Core Switch	<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"/>

PART II - SETUP & HEALTH CHECK N/A

Run DSA & collect DSA Log	SERVER 1			SERVER 2		
	Function	Not Function & Resolved	Alert	Not Function & Resolved	Alert	Not Function & Resolved
SERVER 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
SERVER 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Software/Firmware Version :	SERVER 1			SERVER 2		
	Current	Updated	Alert	Current	Updated	Alert
ClamAV	0.98.3	<input type="checkbox"/>	<input type="checkbox"/>			
Zabbix	2.2.6	<input type="checkbox"/>	<input type="checkbox"/>			
Bacula	5.2.12	<input type="checkbox"/>	<input type="checkbox"/>			
Glassfish	3.1.2.2	<input type="checkbox"/>	<input type="checkbox"/>			
UEFI		<input type="checkbox"/>	<input type="checkbox"/>			
IMM2		<input type="checkbox"/>	<input type="checkbox"/>			

System Software	SERVER 1			SERVER 2		
	Current	Updated	Alert	Current	Updated	Alert
SUSE LINUX (OS)	SUSE 11	<input type="checkbox"/>	<input type="checkbox"/>			
Kernel	3-0.76-0.11	<input type="checkbox"/>	<input type="checkbox"/>			
GCC	4.3.4	<input type="checkbox"/>	<input type="checkbox"/>			

Housekeeping:	SERVER 1			SERVER 2		
	Current	Updated	Alert	Current	Updated	Alert
Clear /tmp folder > 2 weeks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Archive Log Files	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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

(FORM 2)

PATID : _____
 SERIAL NO: _____
 TYPE : STORAGE

PART III - STORAGE N/A

Function	Not Function & Resolved		Not Function & Unresolved	
	Alert	OK	Alert	Ticket No
Perform Health Check:				
Storage Manager Error Alerts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Storage events logs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
HDD indicator lights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Enable read/write cache	<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"/>	

Software/Firmware Version :

Controller	Updated
ESM	
Driver	

PART IV - FINDINGS / ALERTS / DETECTION **FURTHER ACTION / RECOMMENDATION**

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp
 Customer Name
 Date


 LIM PEI LI
 PEGAWAI FARMASI U41
 28/11/18

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp
 Engineer Name
 Date


 MUHAMMAD ANAS BIN RAMLAN
 Field Technical Engineer
 Pharmaniaga Logistics Sdn. Bhd.
 28/11/18

**PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)**

FACILITY : **KLINIK KESIHATAN TAMAN EHSAN** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**

PATID : **CPS/SEL-08/KKS-03/PCD-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **PROCUMENT , RECEIVING , DISTRIBUTION**

S/N CPU : **PC05FLOW** MONITOR : **V9017V19** KEYBOARD : **00009T50** MOUSE : **H5515HA1PAS** Loaned : Unloaned : Relocated :

PART I - STANDARD TASK **PART II - STANDARD HEALTH CHECK** **PART III - STANDARD SETUP**

All Device:
 Cleaning **Verify Condition :**
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Desktop/Notebook: Yes No **Hard Disk Utilization (GB) :**
 Device is harden **1st Partition**
MEMORY : 2 GB **2nd Partition**
 4 GB

Function	Not Function & Resolved	Alert	Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Used	Free	Alert	Ticket No
115	124	<input type="checkbox"/>	
75-7	130	<input type="checkbox"/>	

Verification:
 IWP
 KYM
 PHIS Portal
Auto update disabled:
 (a) Java (JDK 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-08/KKS-03/PCD-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **PROCUMENT , RECEIVING , DISTRIBUTION**

S/N CPU : **451457LMZGMCY** MONITOR : **W3P-001** Loaned : Unloaned : Relocated :

PART I - STANDARD TASK **PART II - STANDARD HEALTH CHECK** **PART III - STANDARD SETUP**

All Device:
 Cleaning **Verify Condition :**
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
Desktop/Notebook: Yes No **Hard Disk Utilization (GB) :**
 Device is harden **1st Partition**
MEMORY : 2 GB **2nd Partition**
 4 GB

Function	Not Function & Resolved	Alert	Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Used	Free	Alert	Ticket No
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Verification:
 IWP
 KYM
 PHIS Portal
Auto update disabled:
 (a) Java (JDK 6 update 30)
 (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 (PLS)
 Signature & Stamp
 Engineer Name
 Date

PHARMANIAGA LOGISTICS SDN BHD (PLS)
 Signature & Stamp
 Engineer Name
 Date



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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. PCD

No	CPU	MONITOR	KEYBOARD	MOUSE	ASSET TAGGING	DEPARTMENT	LOCATION
1	PC05FLOW	V9017VL9	0000950	HSS15HA1PA9	CPS/SEL-08/KKS-03/PCD-001	Outpatient	Procurement, Receiving, Distribution

2. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GMCY	CPS/SEL-08/KKS-03/LJP-001	Outpatient Pharmacy	Procurement, Receiving, Distribution

3. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHEGV	CPS/SEL-08/KKS-03/SVR-001	IT DEPARTMENT	Server Room

4. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1520603191AF413	CPS/SEL-08/KKS-03/UPS-001	IT DEPARTMENT	Server Room