



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

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**Klinik Kesihatan Anika**

**JKN SELANGOR  
(ZONE 10)**

## **1<sup>ST</sup> Preventive Maintenance Report**

<b>P.M. Date</b>	20 FEBRUARY 2018
<b>Report ID</b>	PM/REPORT/ZONE10/KKANIKA
<b>Report Version</b>	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	20/02/2018	Muhammad Anuar bin Awaluddin	Initial document	 MUHAMMAD ANUAR B. AWALUDDIN PhIS & CPS Implementer Pharmantaga Logistic Sdn. Bhd. 20/2/18

**Verified and Acknowledged by facility:**

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	 VITHYA A/P PERUMAL PEGAWAI FARMASI U41 KLINIK KESIHATAN ANIKA 20/2/18
Designation / Department	
Date	



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## **Appendix A**

# **Certificate of Acceptance**



**EXECUTION OF PREVENTIVE MAINTENANCE**

**Project: PhIS & CPS**

**1<sup>ST</sup> Preventive Maintenance (2018)  
For  
Klinik Kesihatan Anika**

Summary findings for Preventive Maintenance conducted on 10/02/2018

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

Signature & Stamp:

<p><u>For PLSB</u></p>  <p>Name: _____ Designation: MUHAMMAD ANUAR B. AWALUDDIN Date: 20/2/18</p>	<p><u>For Facility</u></p>  <p>Name: VITHYA A/P PERUMAL Designation: PEGAWAI FARMASI U41 Date: 20/2/18 KLINIK KESIHATAN ANIKA</p>
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# **Appendix B**

## **Preventive Maintenance Checklist**

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

(FORM 2)

FACILITY : KLINIK KESIHATAN ANIKA  
 STATE : SELANGOR

DEPT : IT  
 ZONE : 10

LOCATION : BILIK 7

SERVER 1	SERVER 2	UPS
PAT ID : <u>CPS/SEL-03/KKS-01/SVR-001</u>	PAT ID : <u>CPS/SEL-03/KKS-01/UPS-001</u>	
SERIAL NO : <u>06GH0NN</u>	SERIAL NO : <u>1520703244AF413</u>	
MODEL : <u>IBM X3500 M5</u>	MODEL : <u>LIEBERT GXT3-3000RT230</u>	

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 & Unresolved	Function	Not Function & Unresolved	Function	Not Function & Unresolved
Cleaning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Verify Condition :						
Connection via LAN / USB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fan / Power Supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Light Path Diagnosis panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UTP Cable connect to switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HA Gateway to Core Switch <i>(For Hospital only)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Function	Not Function & Unresolved	Alert	Ticket No
By pass Test	<input type="checkbox"/>	<input type="checkbox"/>	
Webcard	<input type="checkbox"/>	<input type="checkbox"/>	
Multilink	<input type="checkbox"/>	<input type="checkbox"/>	

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

Available	Type	Qty

**PART II - SETUP & HEALTH CHECK**

Function	Not Function & Unresolved	Alert	Ticket No
Run DSA & collect DSA Log	<input type="checkbox"/>	<input type="checkbox"/>	
SERVER 1	<input type="checkbox"/>	<input type="checkbox"/>	
SERVER 2	<input type="checkbox"/>	<input type="checkbox"/>	

N/A

**Software/Firmware Version :**

Current	Updated
ClamAV	
Zabbix	
Bacula	
Glassfish	
UJFF	
IMM2	

Current	Updated
0.98.3	
2.2.6	
5.2.12	
3.1.2.2	
1.12	
1.75	

**System Software**

SUSE LINUX (OS)  
 Kernel  
 GCC

Current	Updated
SUSE 11	
3-0.76-0.11	
4.3.4	

Current	Updated

**Housekeeping:**

Clear /tmp folder > 2 weeks   
 Archive Log Files

Current	Updated
Screenshot / attachment	

Current	Updated
Screenshot / attachment	

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

(FORM 2)

PAY ID : \_\_\_\_\_  
 SERIAL NO: \_\_\_\_\_  
 TYPE : STORAGE

N/A

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

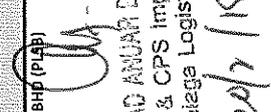
Software/Firmware Version :

Controller	Updated
ESM	
Driver	

**PART IV - FINDINGS / ALERTS / DETECTION**

**PART V - ACKNOWLEDGEMENT**

**CUSTOMER**

Signature & Stamp Customer Name Date	PHARMAIAGA LOGISTICS SDN BHD (PLB)   VITHYA ANANDHERUMAL PEGAWAI FARMASI U41 KLINIK KESIHATAN ANKA 20/7/18
Signature & Stamp Engineer Name Date	 MUHAMMAD ANUAR D. AWALIUDIN PHIS & CPS Implements Pharmariaga Logistic Sdn. Bhd. 20/7/18

**PREVENTIVE MAINTENANCE CHECKLIST  
( CORE SWITCH / DISTRIBUTION SWITCH)**

(FORM 3)

FACILITY : **KLINIK KESIHATAN ANIKA** DEPT : **IT** LOCATION : **SELANGOR** STATE : **SELANGOR** ZONE : **10**

PAT ID : **CPS/SEL-03/KKS-01/DSW-001** Location : **Bilik 7**  
 SERIAL NO: **DNI19070A7G**  Loaned  Unlocated  Relocated

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Alert	Not Function & Unresolved	Function	Not Function & Resolved
Cleaning <input type="checkbox"/> Verify Condition : Cable & Connection Power Supply Check LED Status System LED Master LED STACK ID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
		SSH Access & Connection		Execute Putty to start	
		Specify the IP to connect		Test Login	
		Test & Verify Management IP via console access			

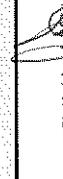
PAT ID : \_\_\_\_\_ Location : \_\_\_\_\_  
 SERIAL NO: \_\_\_\_\_  Loaned  Unlocated  Relocated

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Alert	Not Function & Unresolved	Function	Not Function & Resolved
Cleaning <input type="checkbox"/> Verify Condition : Cable & Connection Power Supply Check LED Status System LED Master LED STACK ID	<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"/>	
		SSH Access & Connection		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	PHARMANIAGA LOGISTICS SDN BHD (PLSB)
Signature & Stamp	 VITHYA PERUMA PEGAWAI FARMASI U41 KLINIK KESIHATAN ANIKA
Customer Name	MUHAMMAD ANWAR D. AWALUDIN P/IS & CPS Implementation Pharmaniaga Logistic Sdn. Bhd
Date	26/1/18

**PREVENTIVE MAINTENANCE CHECKLIST  
( DEVICE )**

(FORM 1)

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

PAT ID : **CPS/SEL-03/KKS-01/PCD-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**  
 S/N CPU : **PC05FLH3** MONITOR : **V901BZK** KEYBOARD : **0000939** MOUSE : **H5515HALSSS** Location : **Procurement, Receiving, Distribution, /M7A-C**  
 Relocated :  Unlocated :  Loaned :  Relocated :

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP			
Function	Not Function & Resolved	Function	Not Function & Resolved	Function	Not Function & Resolved	Function	Not Function & Resolved
All Device: Cleaning	<input checked="" type="checkbox"/>	Verify Condition : Connection via LAN / USB	<input type="checkbox"/>	Auto update disabled:	<input type="checkbox"/>	(a) Java (JDK 6 update 30)	<input type="checkbox"/>
Desktop/Notebook: Device is harden	Yes <input type="checkbox"/> No <input type="checkbox"/>	Fan/ Power Supply/ Charger	<input type="checkbox"/>	(b) Internet Explorer 9 (64bits)	<input type="checkbox"/>	ClamAV - Ver 0.98.3	<input type="checkbox"/>
MEMORY : 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>		Hard Disk Utilization (GB) : 1st Partition	Free <input type="checkbox"/>	Microsoft Office	<input type="checkbox"/>	BCP (BCP PC only)	<input type="checkbox"/>
		2nd Partition	<input type="checkbox"/>	Backup PC (Bacula Web)	<input type="checkbox"/>		<input type="checkbox"/>

PAT ID : **CPS/SEL-03/KKS-01/LIP-001** DEPT : **OUTPATIENT PHARMACY** LOCATION : **STATE : SELANGOR** ZONE : **10**  
 S/N CPU : **451457LM2GLVN** MONITOR : **451457LM2GLVN** KEYBOARD : **0000939** MOUSE : **H5515HALSSS** Location : **Procurement, Receiving, Distribution**  
 Relocated :  Unlocated :  Loaned :  Relocated :

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP			
Function	Not Function & Resolved	Function	Not Function & Resolved	Function	Not Function & Resolved	Function	Not Function & Resolved
All Device: Cleaning	<input checked="" type="checkbox"/>	Verify Condition : Connection via LAN / USB	<input type="checkbox"/>	Auto update disabled:	<input type="checkbox"/>	(a) Java (JDK 6 update 30)	<input type="checkbox"/>
Desktop/Notebook: Device is harden	Yes <input type="checkbox"/> No <input type="checkbox"/>	Fan/ Power Supply/ Charger	<input type="checkbox"/>	(b) Internet Explorer 9 (64bits)	<input type="checkbox"/>	ClamAV - Ver 0.98.3	<input type="checkbox"/>
MEMORY : 2 GB <input type="checkbox"/> 4 GB <input type="checkbox"/>		Hard Disk Utilization (GB) : 1st Partition	Free <input type="checkbox"/>	Microsoft Office	<input type="checkbox"/>	BCP (BCP PC only)	<input type="checkbox"/>
		2nd Partition	<input type="checkbox"/>	Backup PC (Bacula Web)	<input type="checkbox"/>		<input type="checkbox"/>

**PART IV - FINDINGS / ALERTS / DETECTION**

**FURTHER ACTION / RECOMMENDATION**

PART V - ACKNOWLEDGEMENT	
CUSTOMER	PHARMANIAGA LOGISTICS SDN BHD (PLSB)
Signature & Stamp	<i>[Signature]</i> MUSAHAD ANUAR S. ABU LOKA PHIS & CPS Implementer Pharmaniaga Logistic Sdn. Bhd.
Customer Name	VITHYA ANANDARUMAL
Date	20/1/14



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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	PC05FLH3	V901BZ3K	0000939	HS515HA1S8S	CPS/SEL-03/KKS-01/PCD-001	Outpatient	Procurement, Receiving, Distribution, MTAC

2. SWITCH

No.	DSW	ASSET TAGGING	DEPARTMENT	LOCATION
1	DNI19070A7G	CPS/SEL-03/KKS-01/DSW-001	IT	BILIK 7

3. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GLVN	CPS/SEL-03/KKS-01/LIP-001	Outpatient Pharmacy	Procurement, Receiving, Distribution

4. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHCNN	CPS/SEL-03/KKS-01/SVR-001	IT	BILIK 7

5. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1520703244AF413	CPS/SEL-03/KKS-01/UPS-001	IT	BILIK 7