

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

Klinik Kesihatan Selayang Baru

**JKN SELANGOR
(ZONE 10)**

1ST Preventive Maintenance Report

P.M. Date	23 FEB 2018
Report ID	PM/REPORT/Z10/KKSELAYANGBARU
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	23/02/2018	Muhammad Anuar bin Awaluddin	Initial document	 MUHAMMAD ANUAR B. AWALUDDIN PhIS & CPS Implementer Pharmajaga Logistic Sdn. Bhd. 23/2/18

Verified and Acknowledged by facility:

Received / Acknowledged by facility	
Name	
Signature / Company Stamp	 ZATI IWANI BINTI IBRAHIM, RPh 9187 Pegawai Farmasi UF48 Klinik Kesihatan Selayang Baru 23/2/18
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 Selayang Baru**

Summary findings for Preventive Maintenance conducted on 23/02/2018

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

Signature & Stamp:

<p><u>For PLSB</u></p>  <p>Name: Designation: MUHAMMAD ANUAR D. AWALUDDIN Date: 23/2/18 PhIS & CPS Implementer Pharmaniaga Logistic Sdn. Bhd.</p>	<p><u>For Facility</u></p>  <p>Name: ZATI IWANI BIN IBRAHIM, RPh 9187 Date: 23/2/18 Pegawai Farmasi UF48 Klinik Kesihatan Selayang Baru</p>
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Appendix B

Preventive Maintenance Checklist

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

(FORM 2)

FACILITY : KLINIK KESIHATAN SELAYANG BARU
 STATE : SELANGOR

DEPT : IT
 ZONE : 10

LOCATION : SERVER ROOM

SERVER 1	SERVER 2	UPS
PAT ID : <u>CPS/SEL-08/KKS-02/SVR-001</u>	PAT ID : <u>CPS/SEL-08/KKS-02/UPS-001</u>	
SERIAL NO : <u>06GHCNV</u>	SERIAL NO : <u>1520603192AF413</u>	
MODEL : <u>IBM X3500 M5</u>	MODEL : <u>LIEBERT GXT3-1000RT230</u>	

If Alert is tick (x), 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	Function	Not Function & Unresolved	Function	Not Function & Unresolved
Cleaning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verify Condition :						
Connection via LAN / USB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fan / Power Supply	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Light Path Diagnosis panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UTP Cable connect to switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

By pass Test	Alert	Ticket No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Backup Tape	Alert	Ticket No
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	

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

N/A

PART II - SETUP & HEALTH CHECK

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

Software/Firmware Version :	SERVER 1	SERVER 2
ClamAV	0.98.3	
Zabbix	2.2.6	
Bacula	5.2.12	
Glassfish	3.1.2.2	
UEFI	6.11	
IMM2	6.75	

System Software	SERVER 1	SERVER 2
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	<input type="checkbox"/>	<input type="checkbox"/>
Archive Log Files	<input type="checkbox"/>	<input type="checkbox"/>

Current	Updated
Current	Updated
Current	Updated

Current	Updated
Current	Updated
Current	Updated

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

(FORM 2)

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

PART III - STORAGE N/A

Function	Not Function & Reported		Not Function & Unresolved	
	Alert	<input type="checkbox"/>	Ticket No	<input type="checkbox"/>
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 **FURTHER ACTION / RECOMMENDATION**

PART V - ACKNOWLEDGEMENT

CUSTOMER

Signature & Stamp
 Customer Name
 Date


 ZATI IWANI BINTI HUSNIM, RPh 9187
 Pegawai Farmasi UF48
 (linik Kesihatan Selayang Baru)
 23/2/18

PHARMANIAGA LOGISTICS SDN BHD (PLSB)

Signature & Stamp
 Engineer Name
 Date


 MUHAMMAD ANUAR D. ANALLUDIN
 PHS & CPS Implementer
 Pharmedia Logisic Sdn. Bhd.
 23/2/18

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

(FORM 3)

FACILITY : **KLINIK KESIHATAN SELAYANG BARU** DEPT : **IT** STATE : **SELANGOR** ZONE : **10**

PAT ID : **CPS/SEL-08/KKS-02/DSW-001** LOCATION : **SERVER ROOM**
 SERIAL NO : **DNI19260AB6** Location : Unlocated Relocated Learned

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Function	Not Function & Unresolved	Function	Not Function & Unresolved
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"/>	Alert <input type="checkbox"/>	<input checked="" type="checkbox"/>	Alert <input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ticket No	<input checked="" type="checkbox"/>	Ticket No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
	<input checked="" type="checkbox"/>	<input 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 : _____ Location : Unlocated Relocated Learned

PART I - STANDARD TASK		PART II - STANDARD HEALTH CHECK		PART III - STANDARD SETUP	
Function	Not Function & Resolved	Function	Not Function & Unresolved	Function	Not Function & Unresolved
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"/>	Alert <input type="checkbox"/>	<input type="checkbox"/>	Alert <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Ticket No	<input type="checkbox"/>	Ticket No
	<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 Customer Name Date	Signature & Stamp  Engineer Name Muhammad Anuar B. Awali PHS & OPS Implementation Pharmaniaga Logistic Sdn. Bhd. Date 23/2/18

**PREVENTIVE MAINTENANCE CHECKLIST
(DEVICE)**

DEPT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

DEPT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

DEPT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

PAT ID : CPS/SEL-08/KKS-02/PCD-001 DEPARTMENT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

S/N CPU : PC05FLJT MONITOR : V901ETKR KEYBOARD : 0003693 MOUSE : H5515HA13CO Relocated : Unlocated : Loaned : Relocated :

PART I - STANDARD TASK N/A

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB) :
 1st Partition 114 125
 2nd Partition 759 136

All Device:
 Cleaning Yes No
 Desktop/Notebook: Yes No
 Device is harden Yes No
 MEMORY : 2 GB 4 GB

PART II - STANDARD HEALTH CHECK N/A

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
114	125	<input type="checkbox"/>	
759	136	<input type="checkbox"/>	

Verification:
 IWP Auto update disabled:
 KVM (a) Java (JDK 6 update 30)
 PHIS Portal (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-02/LIP-001 DEPARTMENT : OUTPATIENT PHARMACY LOCATION : STATE : SELANGOR ZONE : 10

S/N CPU : 4514571M2GLVG MONITOR : KEYBOARD : MOUSE : Relocated : Unlocated : Loaned : Relocated :

PART I - STANDARD TASK N/A

Verify Condition :
 Connection via LAN / USB
 Fan/ Power Supply/ Charger
 Hard Disk Utilization (GB) :
 1st Partition
 2nd Partition

All Device:
 Cleaning Yes No
 Desktop/Notebook: Yes No
 Device is harden Yes No
 MEMORY : 2 GB 4 GB

PART II - STANDARD HEALTH CHECK N/A

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 Auto update disabled:
 KVM (a) Java (JDK 6 update 30)
 PHIS Portal (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

Network port no connection. ~~due~~ UE switch problem.

FURTHER ACTION / RECOMMENDATION
 User already inform ITN

PART V - ACKNOWLEDGEMENT

CUSTOMER
 Signature & Stamp ZATI IWANI BINTI RAHIM, RPH 9187
 Customer Name Pegawai Farmasi UF-48
 Date Klinik Kesihatan Selayang Baru 23/2/18

PHARMANIAGA LOGISTICS SDN BHD (PLS)
 Signature & Stamp MUHAMMAD ANUAR B. AWALUDIN
 Engineer Name PHIS & CPS Implementer
 Date Pharmedia Logistic Sdn. Bhd. 23/2/18



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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	PC05FLJT	V901ETKR	0003693	IIS515HA1SCO	CPS/SEL-08/KKS-02/PCD-001	OUTPATIENT PHARMACY	Procurement, Receiving, Distribution

2. LASERJET PRINTER

No.	LASERJET	ASSET TAGGING	DEPARTMENT	LOCATION
1	451457LM2GLYG	CPS/SEL-08/KKS-02/LJP-001	OUTPATIENT PHARMACY	Procurement, Receiving, Distribution

3. SERVER

No.	SERVER S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	06GHCNV	CPS/SEL-08/KKS-02/SVR-001	IT DEPARTMENT	SERVER ROOM

4. UPS

No.	UPS S/N	ASSET TAGGING	DEPARTMENT	LOCATION
1	1520603192AF413	CPS/SEL-08/KKS-02/UPS-001	IT DEPARTMENT	SERVER ROOM

5. SWITCH

No.	SWITCH	ASSET TAGGING	DEPARTMENT	LOCATION
1	DNI19260AB6	CPS/SEL-08/KKS-02/DSW-001	IT DEPARTMENT	SERVER ROOM