Nama : Zaidatul Febriyanti Khairunisa

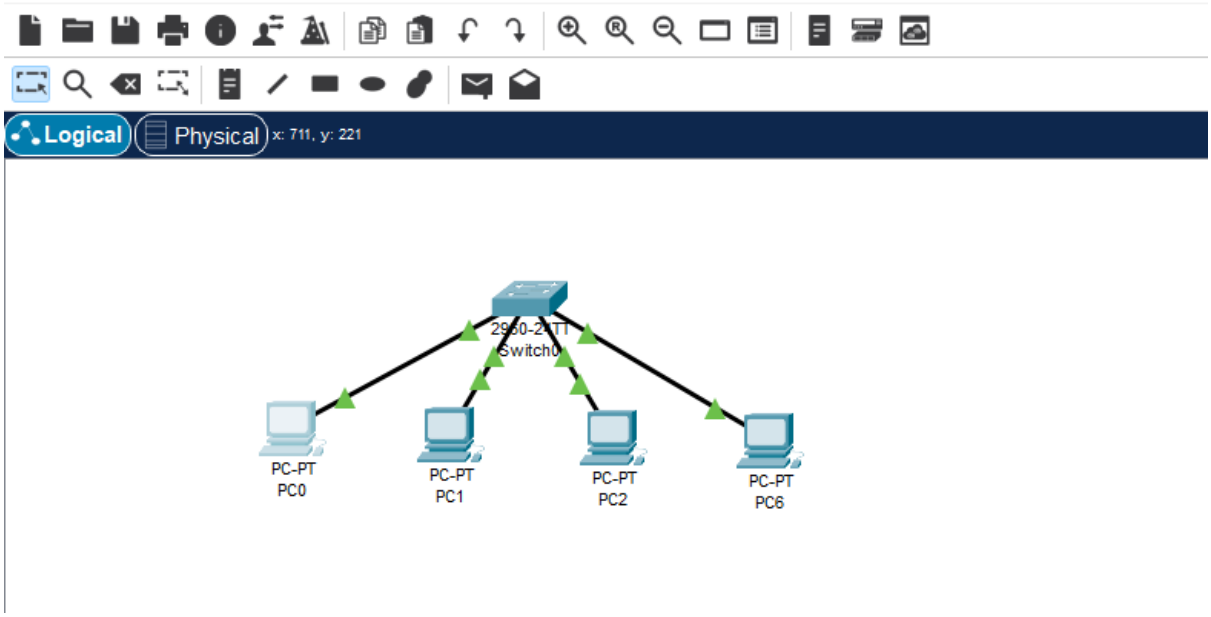
NIM : 09010182327004

Kelas : MI3A

Mk : Praktikum jaringan computer

Laporan praktikum

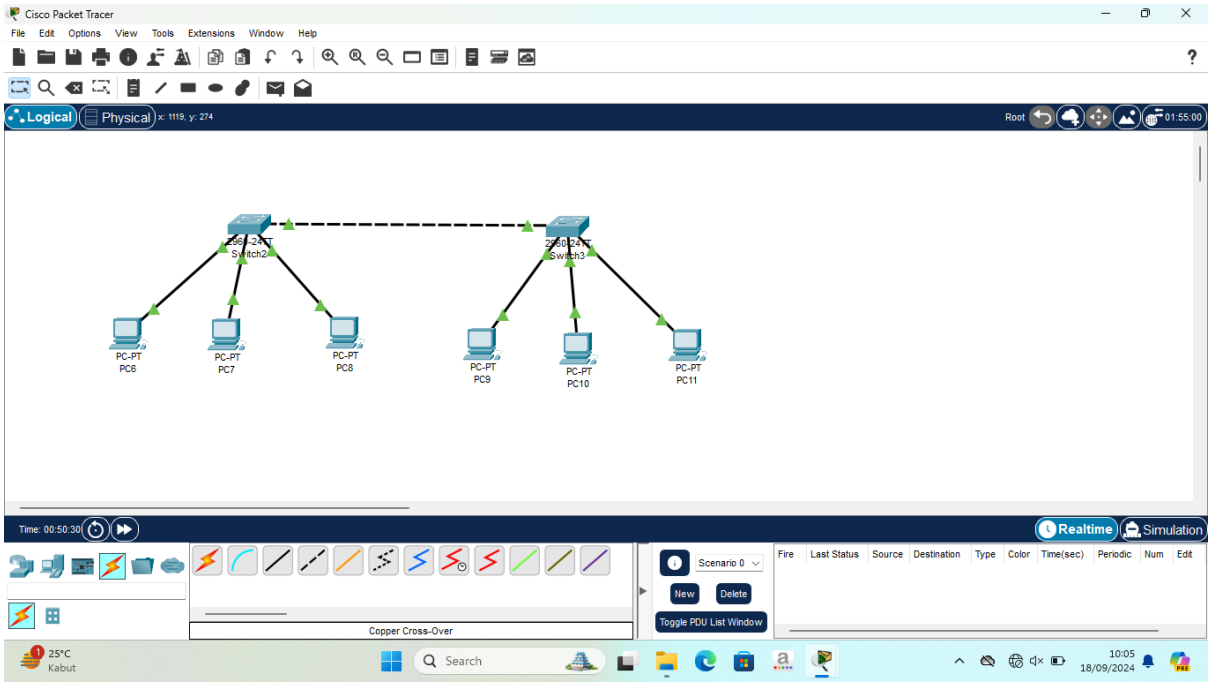
1.



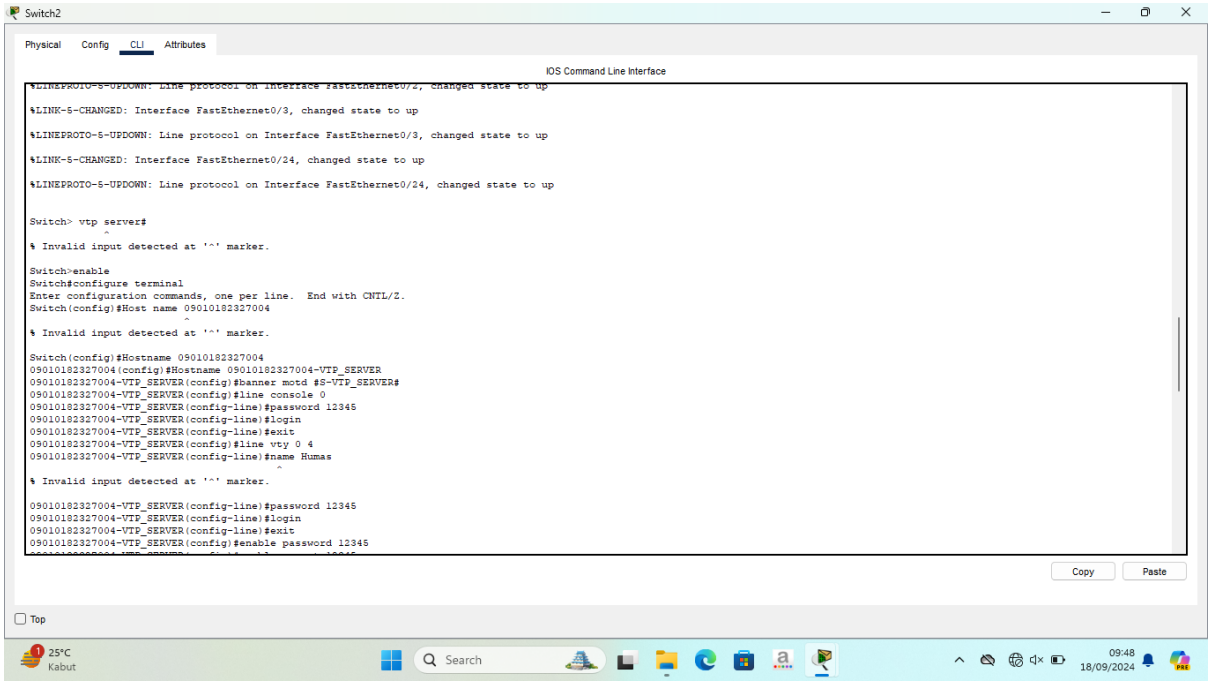
Melihat daftar vlan

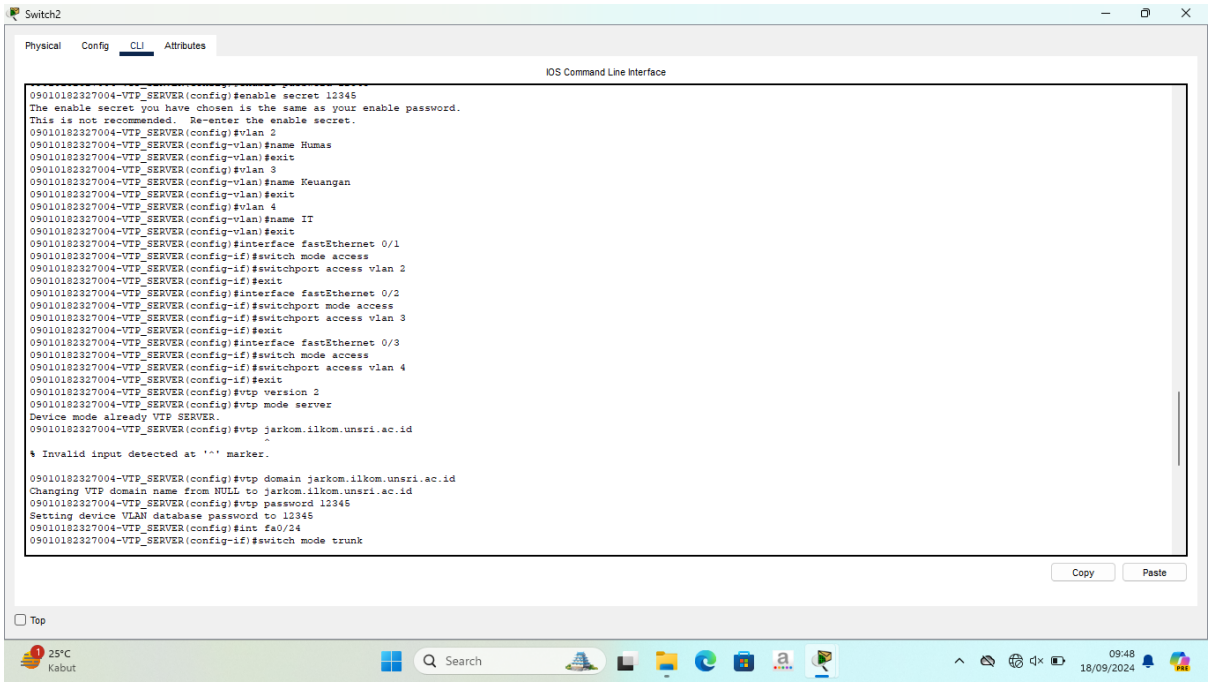
```
selamat datang di swicth

User Access Verification

Password:

09010182327004>copy run start
               ^
% Invalid input detected at '^' marker.

09010182327004>show vlan

VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    Fa0/5, Fa0/6, Fa0/7, Fa0/8
                                                Fa0/9, Fa0/10, Fa0/11, Fa0/12
                                                Fa0/13, Fa0/14, Fa0/15, Fa0/16
                                                Fa0/17, Fa0/18, Fa0/19, Fa0/20
                                                Fa0/21, Fa0/22, Fa0/23, Fa0/24
                                                Gig0/1, Gig0/2
2    Humas                            active    Fa0/1
3    Keuangan                         active    Fa0/2
4    IT                               active    Fa0/3
5    Pimpinan                         active    Fa0/4
1002 fddi-default                     active
1003 token-ring-default               active
1004 fddinet-default                  active
1005 trnet-default                    active

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1    enet  100001     1500  -      -      -        -    -        0      0
2    enet  100002     1500  -      -      -        -    -        0      0
 --More--
```

2.



Konfigurasi SWITCH VTP SERVER




Switch2
Physical
Config
CLI
Attributes
IOS Command Line Interface
09010182327004-VTP_SERVER(config)#enable secret 12345
The enable secret you have chosen is the same as your enable password.
This is not recommended. Re-enter the enable secret.
09010182327004-VTP_SERVER(config)#vlan 2
09010182327004-VTP_SERVER(config-vlan)#name Humas
09010182327004-VTP_SERVER(config-vlan)#exit
09010182327004-VTP_SERVER(config)#vlan 3
09010182327004-VTP_SERVER(config-vlan)#name Keuangan
09010182327004-VTP_SERVER(config-vlan)#exit
09010182327004-VTP_SERVER(config)#vlan 4
09010182327004-VTP_SERVER(config-vlan)#name IT
09010182327004-VTP_SERVER(config-vlan)#exit
09010182327004-VTP_SERVER(config)#interface fastEthernet 0/1
09010182327004-VTP_SERVER(config-if)#switch mode access
09010182327004-VTP_SERVER(config-if)#switchport access vlan 2
09010182327004-VTP_SERVER(config-if)#exit
09010182327004-VTP_SERVER(config)#interface fastEthernet 0/2
09010182327004-VTP_SERVER(config-if)#switchport mode access
09010182327004-VTP_SERVER(config-if)#switchport access vlan 3
09010182327004-VTP_SERVER(config-if)#exit
09010182327004-VTP_SERVER(config)#interface fastEthernet 0/3
09010182327004-VTP_SERVER(config-if)#switch mode access
09010182327004-VTP_SERVER(config-if)#switchport access vlan 4
09010182327004-VTP_SERVER(config-if)#exit
09010182327004-VTP_SERVER(config)#vtp version 2
09010182327004-VTP_SERVER(config)#vtp mode server
Device mode already VTP SERVER.
09010182327004-VTP_SERVER(config)#vtp jarkom.ilkom.unsri.ac.id
                                  ^
% Invalid input detected at '^' marker.
09010182327004-VTP_SERVER(config)#vtp domain jarkom.ilkom.unsri.ac.id
Changing VTP domain name from NULL to jarkom.ilkom.unsri.ac.id
09010182327004-VTP_SERVER(config)#vtp password 12345
Setting device VLAN database password to 12345
09010182327004-VTP_SERVER(config)#int fa0/24
09010182327004-VTP_SERVER(config-if)#switch mode trunk
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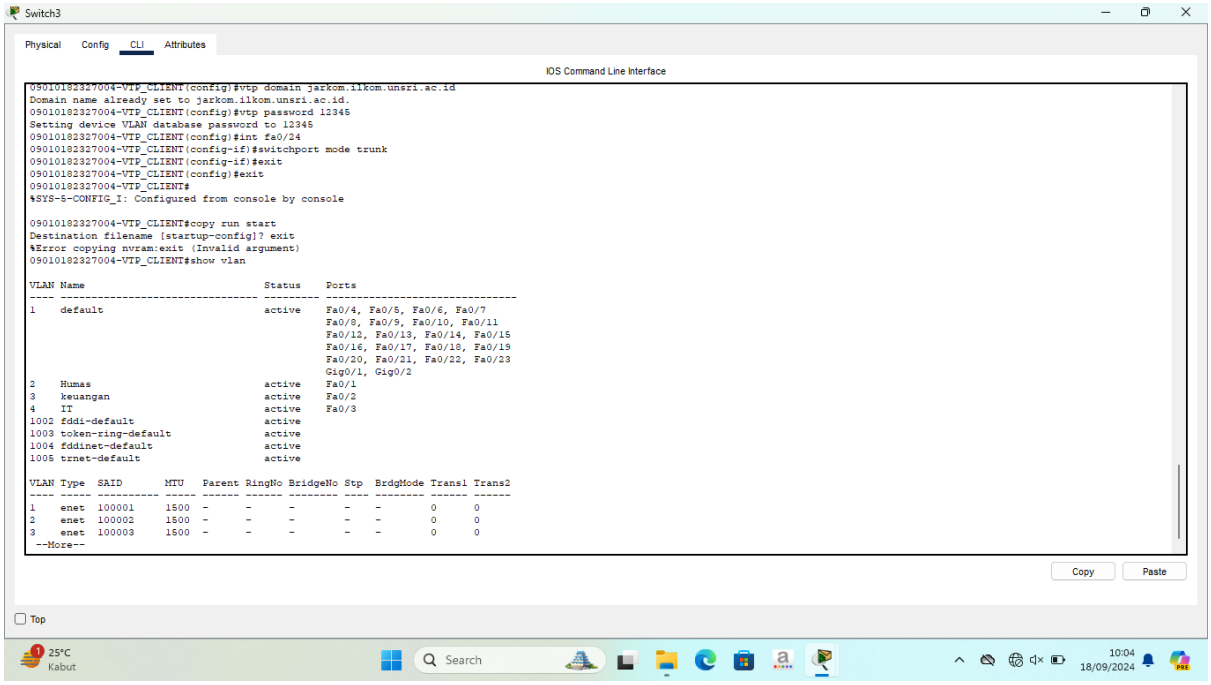
18/09/2024


Switch3
Physical
Config
CLI
Attributes
IOS Command Line Interface
09010182327004-VTP_CLIENT(config)#vtp domain jarkom.ilkom.unsri.ac.id
Domain name already set to jarkom.ilkom.unsri.ac.id.
09010182327004-VTP_CLIENT(config)#vtp password 12345
Setting device VLAN database password to 12345
09010182327004-VTP_CLIENT(config)#int fa0/24
09010182327004-VTP_CLIENT(config-if)#switchport mode trunk
09010182327004-VTP_CLIENT(config-if)#exit
09010182327004-VTP_CLIENT(config)#exit
09010182327004-VTP_CLIENT#
%SYS-5-CONFIG_I: Configured from console by console
09010182327004-VTP_CLIENT#copy run start
Destination filename [startup-config]? exit
%Error copying nvram:exit (Invalid argument)
09010182327004-VTP_CLIENT#show vlan
VLAN Name   Status   Ports
---- --------------------------------- --------- -------------------------------
1   default   active   Fa0/4, Fa0/5, Fa0/6, Fa0/7
                                                 Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                                 Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                                 Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                                 Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                                 Gig0/1, Gig0/2
2   Humas   active   Fa0/1
3   keuangan   active   Fa0/2
4   IT   active   Fa0/3
1002 fddi-default   active
1003 token-ring-default   active
1004 fddinet-default   active
1005 trnet-default   active
VLAN Type SAID   MTU   Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1   enet 100001   1500 -   -   -   -   -   0   0
2   enet 100002   1500 -   -   -   -   -   0   0
3   enet 100003   1500 -   -   -   -   -   0   0
 --More--
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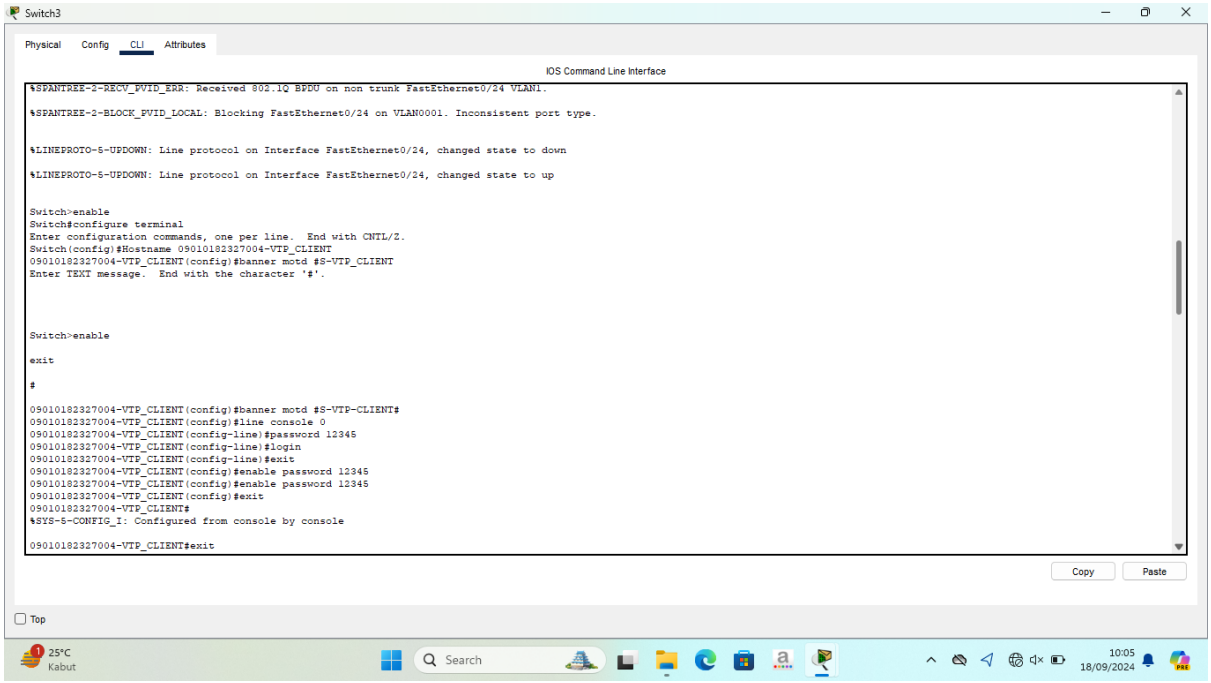
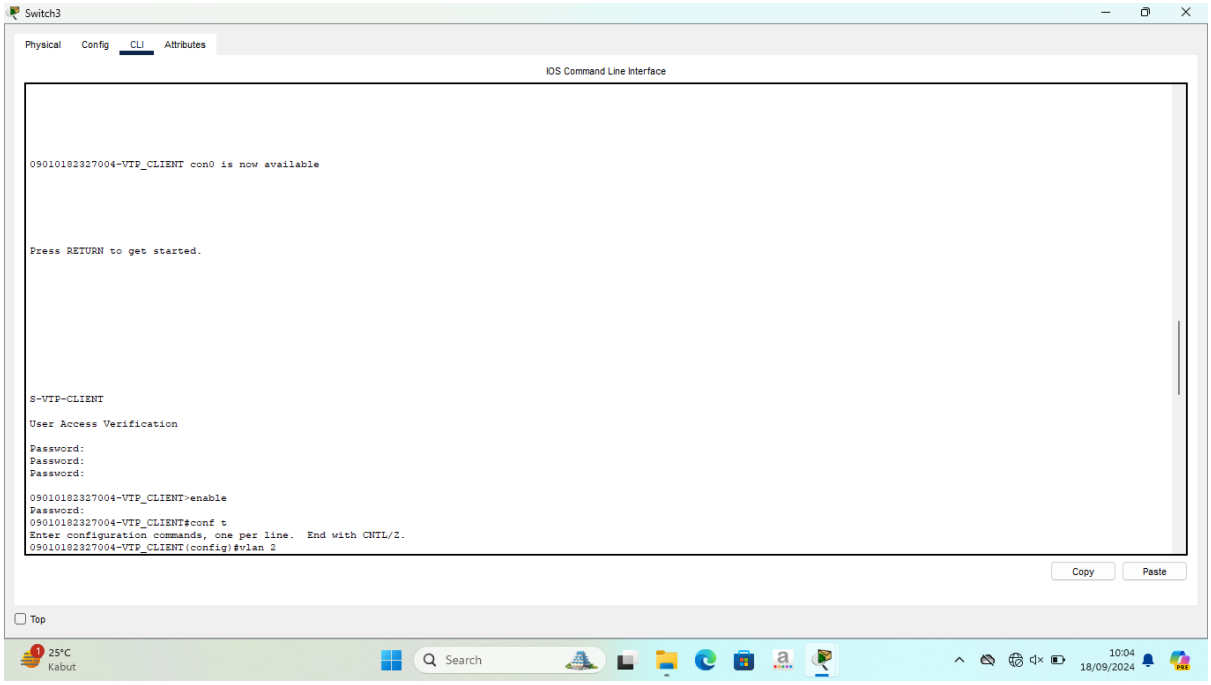
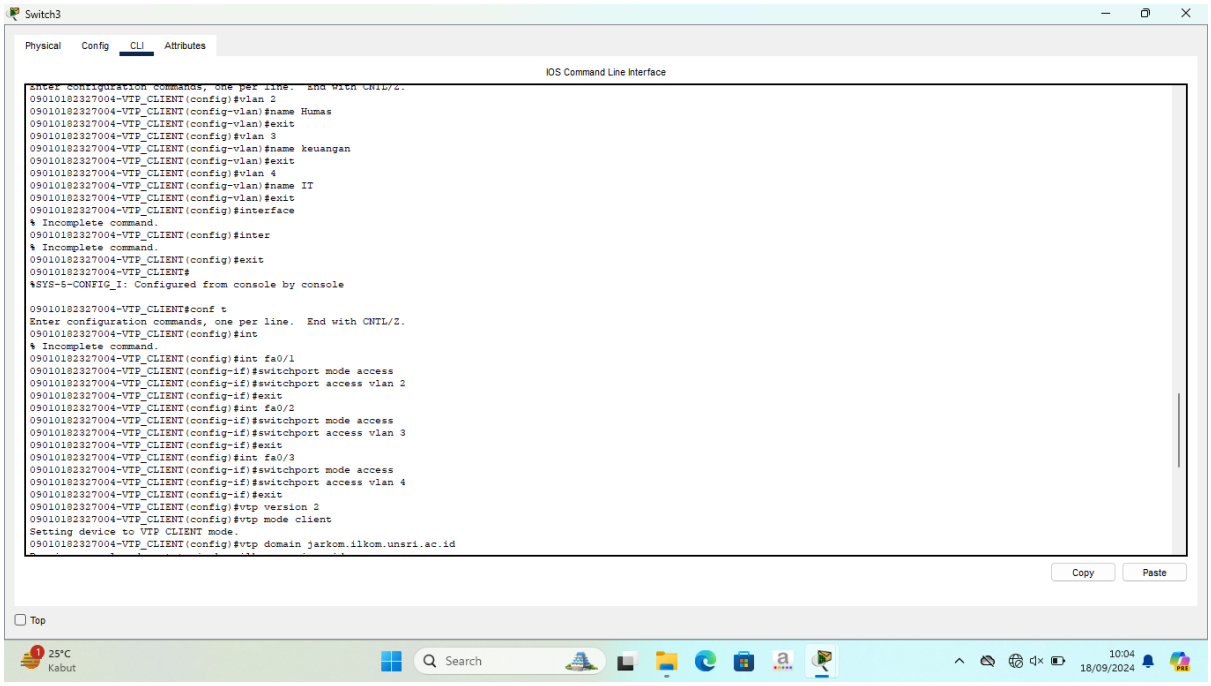
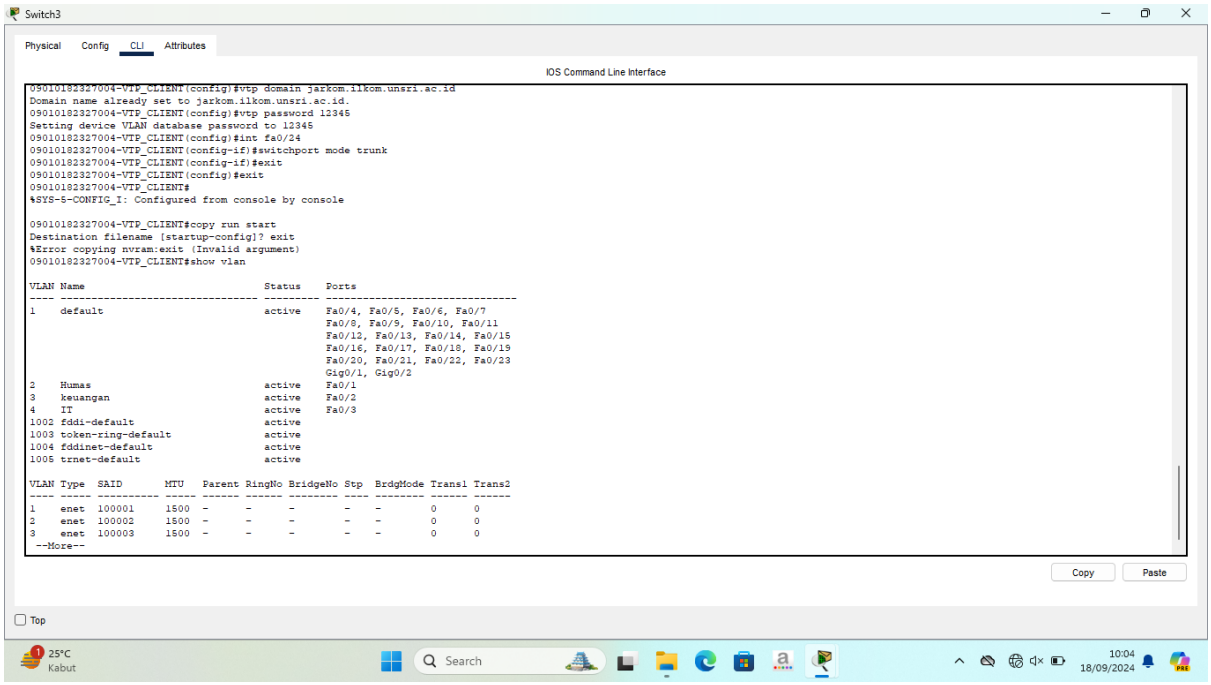
10:04
18/09/2024

Konfigurasi SWITCH VTP CLIENT






Switch3
Physical
Config
CLI
Attributes
IOS Command Line Interface
Enter configuration commands, one per line. End with CNTL/Z.
09010182327004-VTP_CLIENT(config)#vlan 2
09010182327004-VTP_CLIENT(config-vlan)#name Humas
09010182327004-VTP_CLIENT(config-vlan)#exit
09010182327004-VTP_CLIENT(config)#vlan 3
09010182327004-VTP_CLIENT(config-vlan)#name keuangan
09010182327004-VTP_CLIENT(config-vlan)#exit
09010182327004-VTP_CLIENT(config)#vlan 4
09010182327004-VTP_CLIENT(config-vlan)#name IT
09010182327004-VTP_CLIENT(config-vlan)#exit
09010182327004-VTP_CLIENT(config)#interface
% Incomplete command.
09010182327004-VTP_CLIENT(config)#inter
% Incomplete command.
09010182327004-VTP_CLIENT(config)#exit
09010182327004-VTP_CLIENT#
%SYS-5-CONFIG_I: Configured from console by console
09010182327004-VTP_CLIENT#conf t
Enter configuration commands, one per line. End with CNTL/Z.
09010182327004-VTP_CLIENT(config)#int
% Incomplete command.
09010182327004-VTP_CLIENT(config)#int fa0/1
09010182327004-VTP_CLIENT(config-if)#switchport mode access
09010182327004-VTP_CLIENT(config-if)#switchport access vlan 2
09010182327004-VTP_CLIENT(config-if)#exit
09010182327004-VTP_CLIENT(config)#int fa0/2
09010182327004-VTP_CLIENT(config-if)#switchport mode access
09010182327004-VTP_CLIENT(config-if)#switchport access vlan 3
09010182327004-VTP_CLIENT(config-if)#exit
09010182327004-VTP_CLIENT(config)#int fa0/3
09010182327004-VTP_CLIENT(config-if)#switchport mode access
09010182327004-VTP_CLIENT(config-if)#switchport access vlan 4
09010182327004-VTP_CLIENT(config-if)#exit
09010182327004-VTP_CLIENT(config)#vtp version 2
09010182327004-VTP_CLIENT(config)#vtp mode client
Setting device to VTP CLIENT mode.
09010182327004-VTP_CLIENT(config)#vtp domain jarkom.ilkom.unsri.ac.id
Copy
Paste
Top
25°C
Kabut
Search
10:04
18/09/2024


Switch3
Physical
Config
CLI
Attributes
IOS Command Line Interface
09010182327004-VTP_CLIENT(config)#vtp domain jarkom.ilkom.unsri.ac.id
Domain name already set to jarkom.ilkom.unsri.ac.id.
09010182327004-VTP_CLIENT(config)#vtp password 12345
Setting device VLAN database password to 12345
09010182327004-VTP_CLIENT(config)#int fa0/24
09010182327004-VTP_CLIENT(config-if)#switchport mode trunk
09010182327004-VTP_CLIENT(config-if)#exit
09010182327004-VTP_CLIENT(config)#exit
09010182327004-VTP_CLIENT#
%SYS-5-CONFIG_I: Configured from console by console
09010182327004-VTP_CLIENT#copy run start
Destination filename [startup-config]? exit
%Error copying nvram:exit (Invalid argument)
09010182327004-VTP_CLIENT#show vlan
VLAN Name Status Ports
1 default active Fa0/4, Fa0/5, Fa0/6, Fa0/7
Fa0/8, Fa0/9, Fa0/10, Fa0/11
Fa0/12, Fa0/13, Fa0/14, Fa0/15
Fa0/16, Fa0/17, Fa0/18, Fa0/19
Fa0/20, Fa0/21, Fa0/22, Fa0/23
Gig0/1, Gig0/2
2 Humas active Fa0/1
3 keuangan active Fa0/2
4 IT active Fa0/3
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2
1 enet 100001 1500 - - - - - 0 0
2 enet 100002 1500 - - - - - 0 0
3 enet 100003 1500 - - - - - 0 0
--More--
Copy
Paste
Top
25°C
Kabut
Search
10:04
18/09/2024

Verifikasi konfigurasi

Melihat status VTP pada SERVER

```
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
S-VTP_SERVER

User Access Verification

Password:

09010182327004-VTP_SERVER>show vtp status
VTP Version capable             : 1 to 2
VTP version running             : 2
VTP Domain Name                 : jarkom.ilkom.unsri.ac.id
VTP Pruning Mode                : Disabled
VTP Traps Generation            : Disabled
Device ID                       : 00E0.8FBE.8D00
Configuration last modified by 0.0.0.0 at 3-1-93 00:39:31
Local updater ID is 0.0.0.0 (no valid interface found)

Feature VLAN :
--------------
VTP Operating Mode                : Server
Maximum VLANs supported locally   : 255
Number of existing VLANs          : 8
Configuration Revision            : 7
MD5 digest                        : 0x3C 0xB5 0x53 0xC4 0xA1 0x0A 0x32 0xE7
                                    0x3F 0x87 0x16 0x8E 0xE3 0x36 0x4F 0xEB
09010182327004-VTP_SERVER>
```

Melihat status VTP pada CLIENT

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
S-VTP-CLIENT

User Access Verification

Password:

09010182327004-VTP_CLIENT>show vtp status
VTP Version capable             : 1 to 2
VTP version running             : 2
VTP Domain Name                 : jarkom.ilkom.unsri.ac.id
VTP Pruning Mode                : Disabled
VTP Traps Generation            : Disabled
Device ID                       : 0001.42A8.7900
Configuration last modified by 0.0.0.0 at 3-1-93 00:39:31

Feature VLAN :
--------------
VTP Operating Mode                : Client
Maximum VLANs supported locally   : 255
Number of existing VLANs          : 8
Configuration Revision            : 7
MD5 digest                        : 0x3C 0xB5 0x53 0xC4 0xA1 0x0A 0x32 0xE7
                                    0x3F 0x87 0x16 0x8E 0xE3 0x36 0x4F 0xEB
09010182327004-VTP_CLIENT>
```

Verifikasi konfigurasi

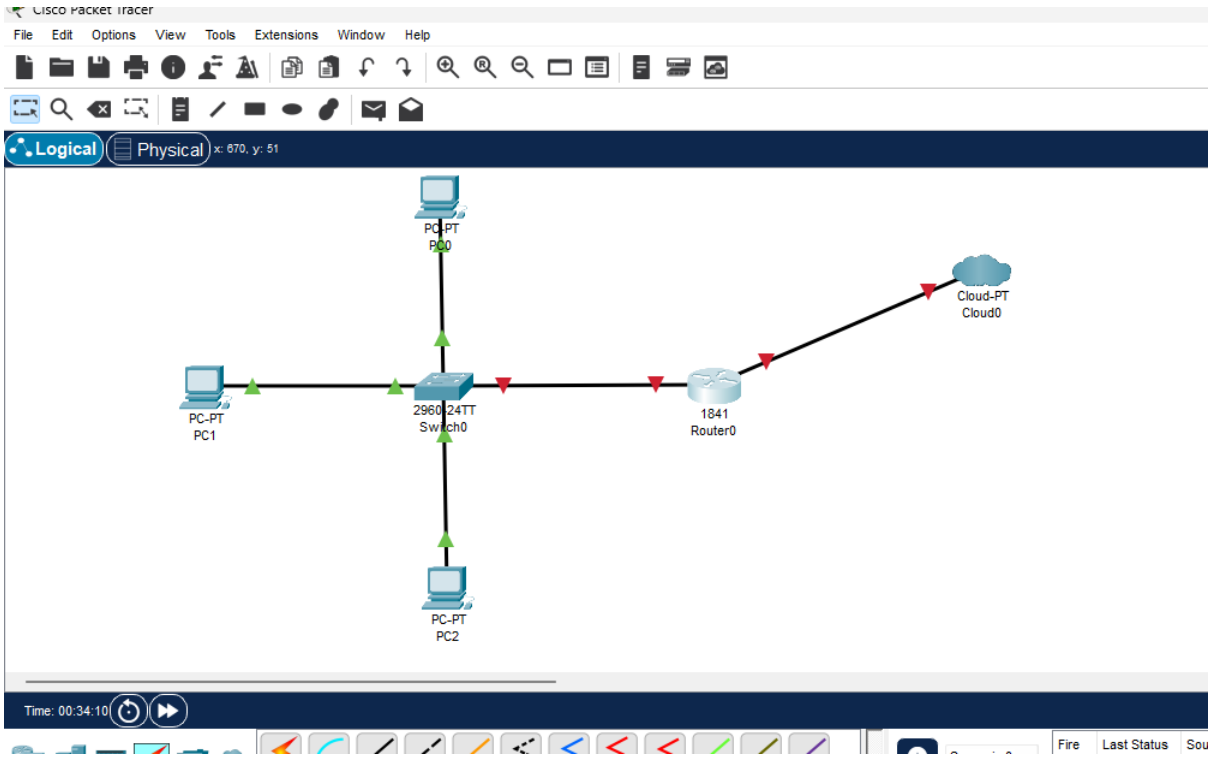
Melihat status VTP pada SERVER

```
09010182327004-VTP_SERVER>show interface trunk
Port        Mode         Encapsulation  Status        Native vlan
Fa0/24      on           802.1q         trunking      1

Port        Vlans allowed on trunk
Fa0/24      1-1005

Port        Vlans allowed and active in management domain
Fa0/24      1,2,3,4

Port        Vlans in spanning tree forwarding state and not pruned
Fa0/24      1,2,3,4

09010182327004-VTP_SERVER>
```

Melihat status VTP pada CLIENT

```
                                    0x3F 0x87 0x16 0x8E 0xE3 0x36 0x4F 0xEB
09010182327004-VTP_CLIENT>show interface trunk
Port        Mode         Encapsulation  Status        Native vlan
Fa0/24      on           802.1q         trunking      1

Port        Vlans allowed on trunk
Fa0/24      1-1005

Port        Vlans allowed and active in management domain
Fa0/24      1,2,3,4

Port        Vlans in spanning tree forwarding state and not pruned
Fa0/24      1,2,3,4

09010182327004-VTP_CLIENT>
```

MODUL 5




```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#Hostname SWITCH_DISTRIBUSI_DISTRIBUSI
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#banner motd #selamat datang di SWITCH_DISTRIBUSI #
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#line consolle 0
                                    ^
% Invalid input detected at '^' marker.

SWITCH_DISTRIBUSI_DISTRIBUSI(config)#line console 0
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#password 12345
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#login
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#line vty 0 4
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#password 12345
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#login
SWITCH_DISTRIBUSI_DISTRIBUSI(config-line)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#enable password 12345
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#enable secret 12345
The enable secret you have chosen is the same as your enable password.
This is not recommended.  Re-enter the enable secret.
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#vlan 2
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#Name Humas
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#vlan 3
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#Name Keuangan
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#vlan 4
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#Name IT
SWITCH_DISTRIBUSI_DISTRIBUSI(config-vlan)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#interface fastEthernet 0/1
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport mode access
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport access vlan 2
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#interface fastEthernet 0/2
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport mode access
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport access vlan 3
```

```
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport access vlan 3
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#interface 0/3
                                    ^
% Invalid input detected at '^' marker.

SWITCH_DISTRIBUSI_DISTRIBUSI(config)#interface fastEthernet 0/3
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport mode access
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport access vlan 4
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#interface fastEthernet 0/24
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#switchport mode trunk
SWITCH_DISTRIBUSI_DISTRIBUSI(config-if)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI(config)#exit
SWITCH_DISTRIBUSI_DISTRIBUSI#
%SYS-5-CONFIG_I: Configured from console by console
```

```
SWITCH_DISTRIBUSI_DISTRIBUSI#copy run start
Destination filename [startup-config]? exit
%Error copying nvram:exit (Invalid argument)
SWITCH_DISTRIBUSI_DISTRIBUSI#show vlan

VLAN Name                             Status    Ports
---- -------------------------------- --------- -------------------------------
1    default                          active    Fa0/4, Fa0/5, Fa0/6, Fa0/7
                                                Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                                Fa0/12, Fa0/13, Fa0/14, Fa0/15
                                                Fa0/16, Fa0/17, Fa0/18, Fa0/19
                                                Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                                Fa0/24, Gig0/1, Gig0/2
2    Humas                            active    Fa0/1
3    Keuangan                         active    Fa0/2
4    IT                               active    Fa0/3
1002 fddi-default                     active
1003 token-ring-default               active
1004 fddinet-default                  active
1005 trnet-default                    active

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1    enet  100001     1500  -      -      -        -    -        0      0
2    enet  100002     1500  -      -      -        -    -        0      0
3    enet  100003     1500  -      -      -        -    -        0      0
 --More--
```

VLAN	NAME	STATUS	PORT
1	Default	active	Fa/4, Fa0/5, Fa0/6, Fa0/7, Fa/8, Fa0/9, Fa0/10, Fa0/11, Fa/12, Fa0/13, Fa0/14, Fa0/15, Fa/16, Fa0/17, Fa0/18, Fa0/19, Fa/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24, Gig0//1, Gig0/2
2	Humas	active	Fa0/1
3	Keuangan	active	Fa0/2
4	IT	active	Fa0/3
1002	fddi-default	active	
1003	Token-ring-default	active	
1004	Fddinet-default	active	
1005	Trnet-default	active	

2. Konfigurasi Router

```
1002 fddi-default                     active
1003 token-ring-default               active
1004 fddinet-default                  active
1005 trnet-default                    active

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------
1    enet  100001     1500  -      -      -        -    -        0      0
1002 fddi  101002     1500  -      -      -        -    -        0      0
1003 tr    101003     1500  -      -      -        -    -        0      0
1004 fdnet 101004     1500  -      -      -        ieee -        0      0
1005 trnet 101005     1500  -      -      -        ibm  -        0      0

VLAN Type  SAID       MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
---- ----- ---------- ----- ------ ------ -------- ---- -------- ------ ------

Remote SPAN VLANs
------------------------------------------------------------------------------

Primary Secondary Type              Ports
------- --------- ----------------- ------------------------------------------
ROUTER_1#ip dhcp binding
           ^
% Invalid input detected at '^' marker.

ROUTER_1#sh ip dhcp binding
IP address       Client-ID/              Lease expiration        Type
                 Hardware address
```

3.