Nama: Amelia

NIM: 09010282327030
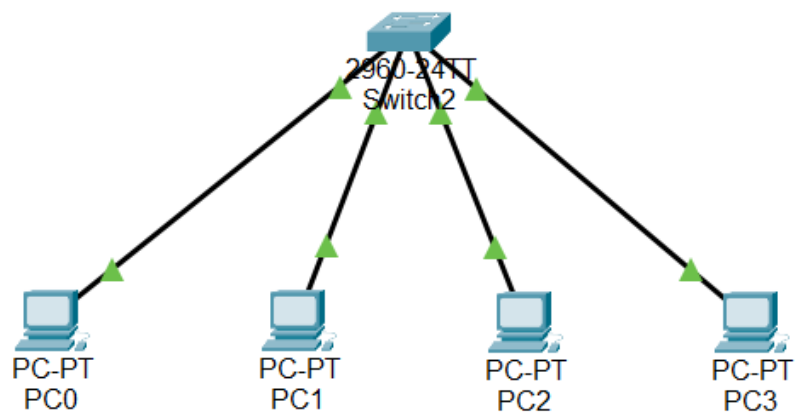
Kelas: MI. 3A

Mata Kuliah: Praktikum Jaringan Komputer

Laporan Praktikum Jaringan Komputer

Switch

1.


```
09010282327030#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--
```
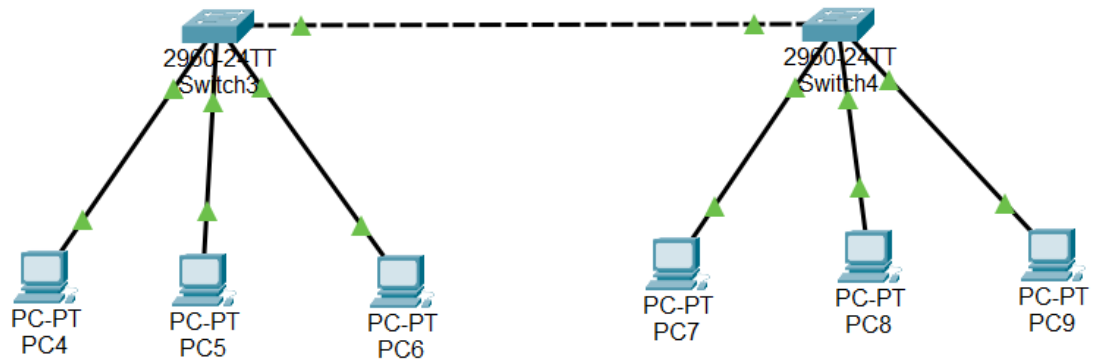
2.

Melihat status VTP pada SERVER

```
09010282327030-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                       : 0030.A3C3.D200
Configuration last modified by 0.0.0.0 at 3-1-93 00:31:26
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          : 0
MD5 digest                      : 0x03 0x62 0x12 0x5A 0xBF 0x0B 0xAF 0x33
                                  0xC4 0x3D 0x17 0x5B 0xC3 0x63 0x2A 0x21


09010282327030-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

09010282327030-VTP_SERVER>
```

Melihat status VTP pada CLIENT

```
09010282327030-VTP_CLIENT#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
09010282327030-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                       : 0030.F225.9500
Configuration last modified by 0.0.0.0 at 3-1-93 00:45:51

Feature VLAN :
--------------
VTP Operating Mode              : Client
Maximum VLANs supported locally : 255
Number of existing VLANs        : 8
Configuration Revision          : 7
MD5 digest                      : 0x6C 0x1D 0xF8 0x12 0xF0 0x57 0x43 0x2E
                                  0x74 0xB3 0x11 0x3F 0xCA 0x7A 0xA4 0xD4
```

```
09010282327030-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

09010282327030-VTP_CLIENT#
```
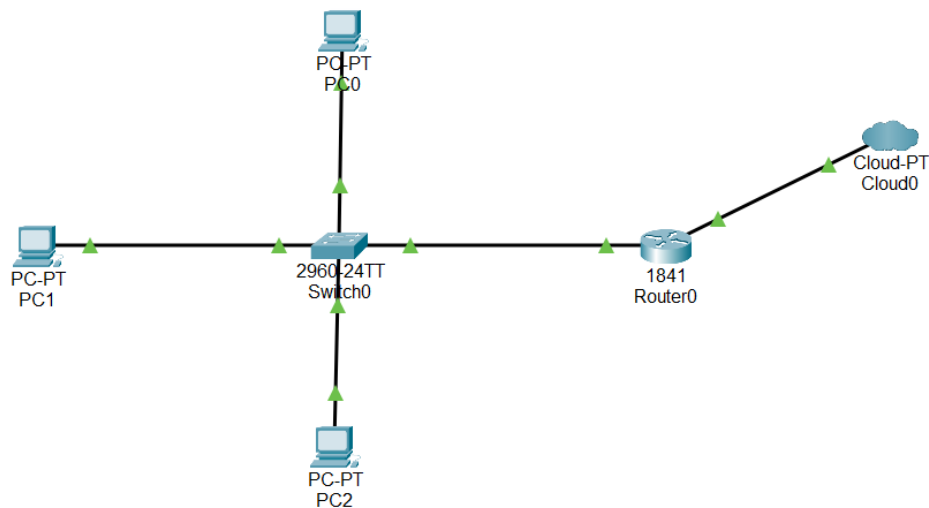
NAT


```
SWITCH_DISTRIBUSI#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
SWITCH_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	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

```
ROUTER_I#sh ip dhcp binding
IP address        Client-ID/          Lease expiration      Type
                  Hardware address
192.168.200.2     00D0.58B4.05CD      --                    Automatic
192.168.100.2     0030.A3E7.7553      --                    Automatic
192.168.150.2     0090.21E6.C1A6      --                    Automatic
```

NO	IP Address	MAC Address	Lease Expiration	Type
1	192.168.200.2	00D0.50B4.05CD	--	Automatic
2	192.168.100.2	0030.A3E7.7553	--	Automatic
3	192.168.150.2	0090.21E6.C1A6	--	Automatic

No	Client	IP Address	Net Mask	Gateaway	Dns
1	PC 1	192.168.200.2	255.255.255.0	192.168.200.1	222.124.194.11
2	PC 2	192.168.100.2	255.255.255.0	192.168.100.1	222.124.194.11
3	PC 3	192.168.150.2	255.255.255.0	192.168.150.1	222.124.194.11

No	Sumber	IP Address	Hasil Ya/Tidak	Website	Hasil Ya/Tidak
1	PC 1	192.168.200.2	Ya	www.google.com	Tidak
2	PC 2	192.168.200.2	Ya	www.google.com	Tidak
3	PC 3	192.168.200.2	Ya	www.google.com	Tidak