

TUGAS LAPORAN PRAKTIKUM



MATA KULIAH PRAKTIKUM JARINGAN KOMPUTER DOSEN PENGAMPU

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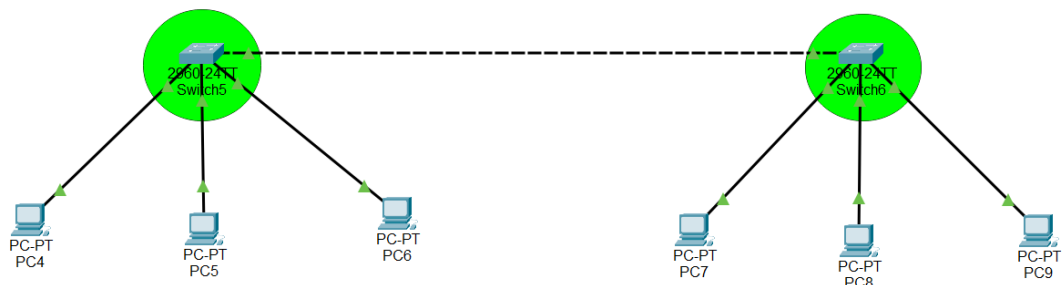
Nama Mahasiswa : Naufal Zuhdi

Nim Mahasiswa : 09010282327038

Kelas : MI.3A

**UNIVERSITAS SRIWIJAYA
ILMU KOMPUTER
MANAJEMEN INFORMATIKA**

SWITCH



Switch Server

```
(NIM)-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

(NIM)-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                : 000C.CFE3.4B00
Configuration last modified by 0.0.0.0 at 3-1-93 00:23:19
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               : 0x0D 0x39 0xFC 0x2E 0x73 0x05 0x0C 0xF4
                        : 0xB5 0x7F 0x86 0xC2 0xE7 0x2F 0x57 0x59

(NIM)-VTP-SERVER#
```

Switch Client

```
09010282327038-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

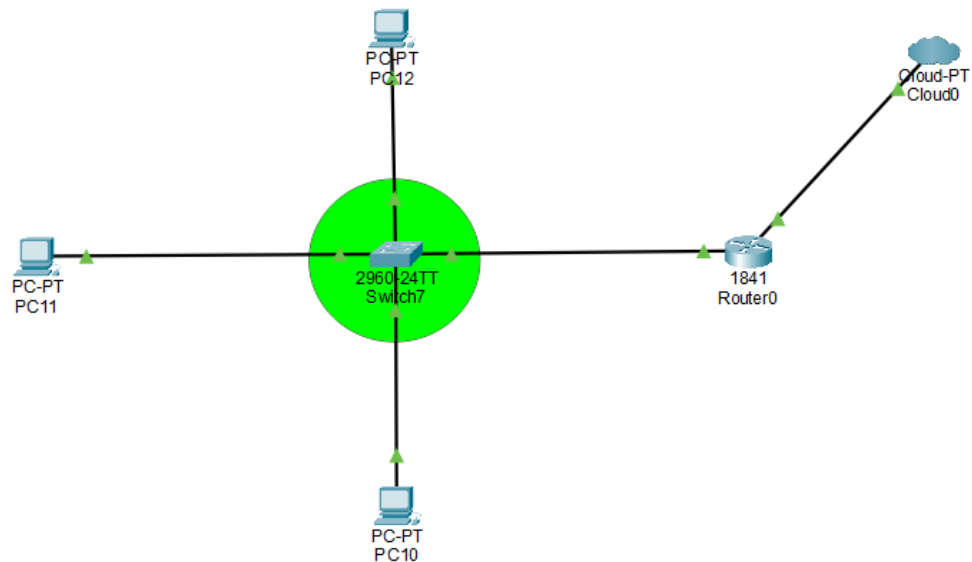
Port      Vlans in spanning tree forwarding state and not pruned
Fa0/24    1,2,3,4
```

```
09010282327038-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.A38C.9A00
Configuration last modified by 0.0.0.0 at 3-1-93 00:38:40
```

Feature VLAN :

```
VTP Operating Mode      : Client
Maximum VLANs supported locally : 255
Number of existing VLANs : 8
Configuration Revision   : 7
MD5 digest               : 0xAE 0xD8 0x14 0x58 0x34 0x11 0x5F 0x0A
                        : 0x39 0x99 0x4E 0x32 0xDF 0x30 0x41 0x47
```

NAT (Network Address Translation)



Switch Distribusi

SWITCH_DISTRIBUSI_NAUFAL#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

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 Gig0/1, Gig0/2
2	Humas	Active	Fa0/1
3	Keuangan	Active	Fa0/2
4	IT	Active	Fa0/3

IP Router

Selamat datang diRouter Naufal

User Access Verification

Password:

ROUTER_NAUFAL>enable

Password:

Password:

Password:

ROUTER_NAUFAL#sh ip dhcp binding

IP address	Client-ID/ Hardware address	Lease expiration	Type
192.168.200.2	00D0.9790.15B9	--	Automatic
192.168.100.2	0005.5EE6.31B3	--	Automatic
192.168.150.2	0002.166D.7AC5	--	Automatic

ROUTER_NAUFAL#

No	IP Address	Mac Address	Lease Expiration	Type
1	192.168.200.2	00D0.9097.15B9	- -	Automatic
2	192.168.200.2	0005.5EE6.31B3	- -	Automatic
3	192.168.150.2	0002.166D.7AC5	- -	Automatic

PC for IP Configuration :

IP Configuration

☒ DHCP
☐ Static

IPv4 Address
192.168.200.2

Subnet Mask
255.255.255.0

Default Gateway
192.168.200.1

DNS Server
222.124.194.11

IP Configuration

☒ DHCP
☐ Static

IPv4 Address
192.168.100.2

Subnet Mask
255.255.255.0

Default Gateway
192.168.100.1

DNS Server
222.124.194.11

IP Configuration

☒ DHCP
☐ Static

IPv4 Address
192.168.150.2

Subnet Mask
255.255.255.0

Default Gateway
192.168.150.1

DNS Server
222.124.194.11

Tabel Daftar IP Client

No	Client	IP Address	Netmask	Gateway	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

Tabel Tes Koneksi Ke sebuah website

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	192.168.100.2	Ya	www.google.com	Tidak
3	PC 3	192.168.150.2	Ya	www.google.com	Tidak