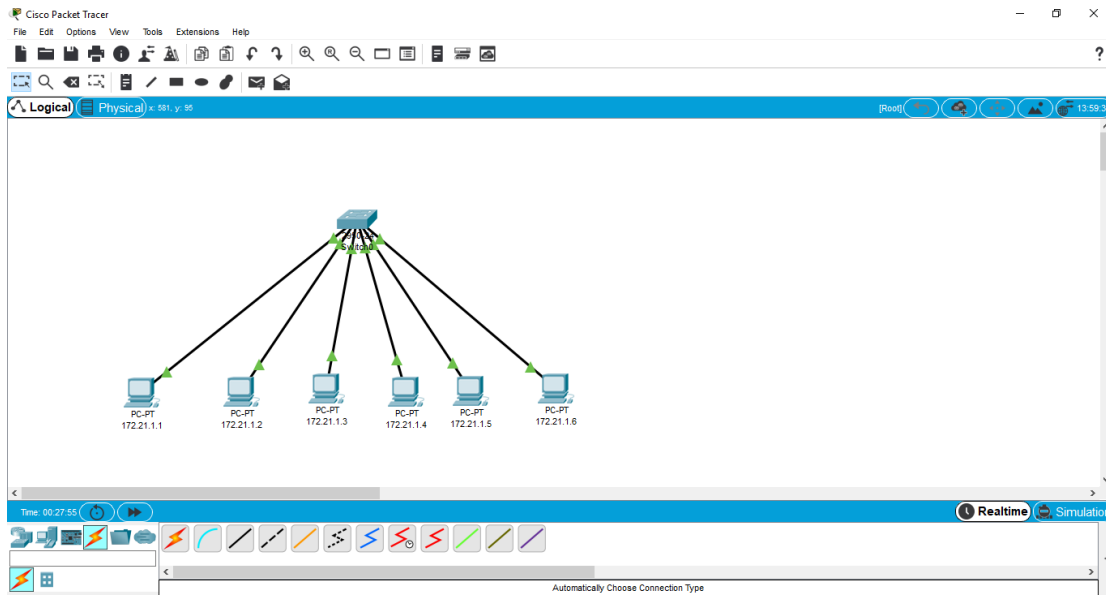


NAMA : ARIS RAHMAT FATONI

NIM : L200174081

KELAS : D

1.



Switch 1 buah disambungkan ke 6 buah PC yang kemudian di beri alamat IP masing-masing

2

172.21.1.1

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.1

Subnet Mask 255.255.0.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address

Link Local Address FE80::201:63FF:FE64:BAB0

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

Ini merupakan salah satu dari PC yang diberi alamat IP sesuai dengan MODUL

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name sodiak1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name sodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name sodiak3
Switch(config-vlan)#exit
Switch(config)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/2
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#int fa 0/6
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```

%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

```

VLAN Name	Status	Ports
1 default	active	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
10 sodiak1	active	Fa0/1, Fa0/4
20 sodiak2	active	Fa0/2, Fa0/5
30 sodiak3	active	Fa0/3, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

```

Switch#show vlan id 10

```

VLAN Name	Status	Ports
10 sodiak1	active	Fa0/1, Fa0/4

```

Switch#show vlan id 20

```

VLAN Name	Status	Ports
20 sodiak2	active	Fa0/2, Fa0/5

```

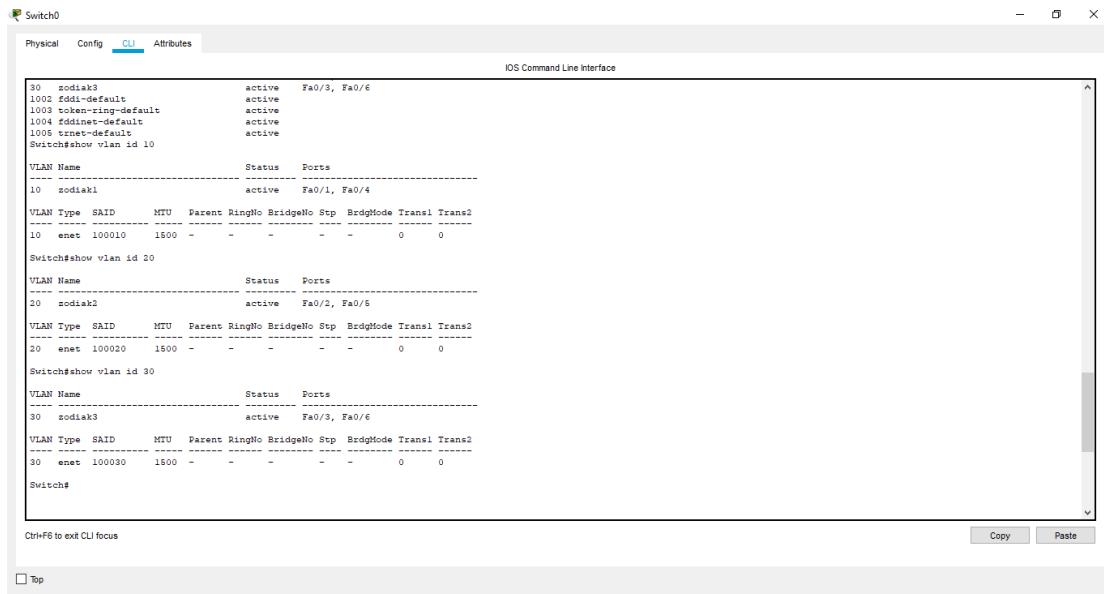
Switch#show vlan id 30

```

Ctrl+F6 to exit CLI focus

Copy Paste

Top



NO	Variabel	Nilai
1	Nomor VLAN	10
2	Nama VLAN	Zodiak1
3	Port	Fa 0/1 , Fa 0/4
4	Status	Active

NO	Variable	Nilai
1	Nomor VLAN	20
2	Nama VLAN	Zodiak2
3	Port	Fa 0/2, Fa 0/5
4	Status	Active

NO	Variable	Nilai
1	Nomor VLAN	30
2	Nama VLAN	Zodiak3

3	Port	Fa 0/3 , Fa 0/6
4	Status	Active

Kegiatan 2. Topologi 2

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 527, y 37 [Root] 05:38:30

Time: 00:11:02 Realtime Simulation

Physical Config CLI Attributes

IO:

```

Capture VLANs Allowed: ALL
Protected: false

Switch>show interface fa 0/1 trunk
^
% Invalid input detected at '^' marker.

Switch>show interface fa 0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation:
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: ALL
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Appliance trust: none

Switch>show interface fa 0/1 trunk
^
% Invalid input detected at '^' marker.

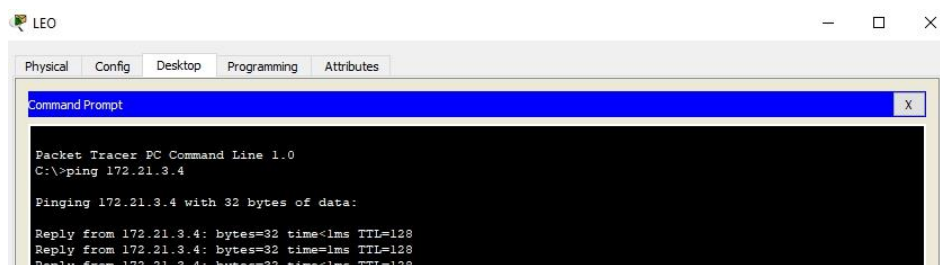
Switch>show vlan

```

Tugas 7A

Diatas switch beraksi sebagai server, dan beberapa lainnya beraksi sebagai client. VTP server dapat membuat, memodifikasi, dan menghapus VLAN serta parameter konfigurasi lain untuk seluruh domain VTP.

Tugas 8A



Hasil tes ping terhadap pisces ‘reply’, dikarenakan leo mengirim broadcast dialirkan ke switch dengan port yang bersesuaian dengan VLAN 10. Hasilnya trafik broadcast mendapatkan ‘reply’ dari stasiun Pisces.

Tugas 10A

```
Switch>show vlan
```

VLAN Name	Status	Ports
1 default	active	Fa1/1, Fa2/1, Fa3/1, Eth4/1 Eth5/1, Eth6/1, Eth7/1, Eth8/1 Eth9/1
1002 fddi-default	act/unsup	
1003 token-ring-default	act/unsup	
1004 fddinet-default	act/unsup	
1005 trnet-default	act/unsup	

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
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

```
--More--
```

Tugas 12 A

Hasilnya trafik broadcast ke sesama VLAN dapat terhubung. Broadcast hanya dialirkan ke arah switch dengan port yang bersesuaian dengan VLAN.