# LAPORAN PRAKTIKUM JARINGAN KOMPUTER MODUL 4

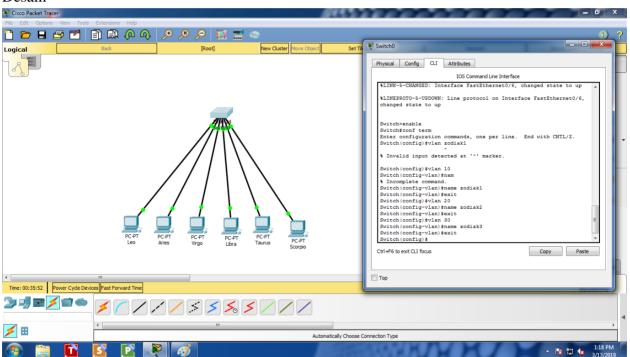
Nama: Ilham Athur Bayu W

NIM : L200170023

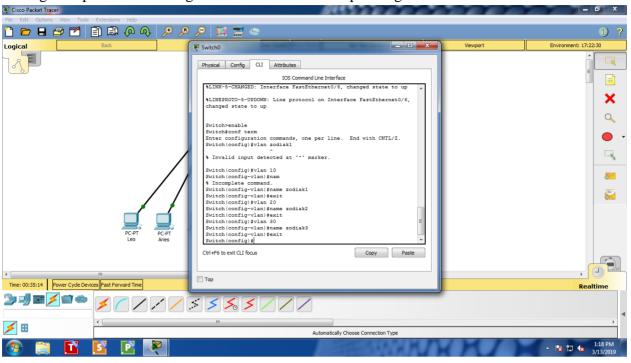
Kelas: A

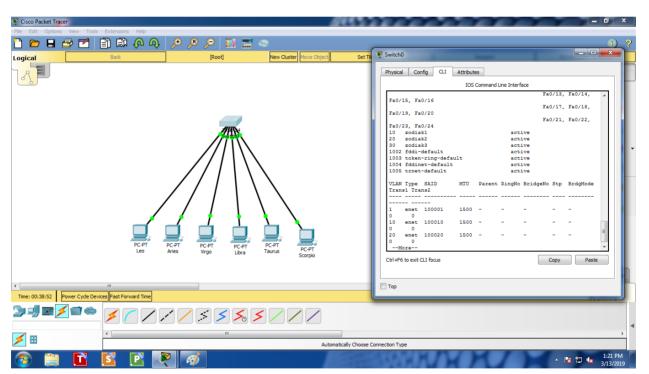
## Kegiatan 1

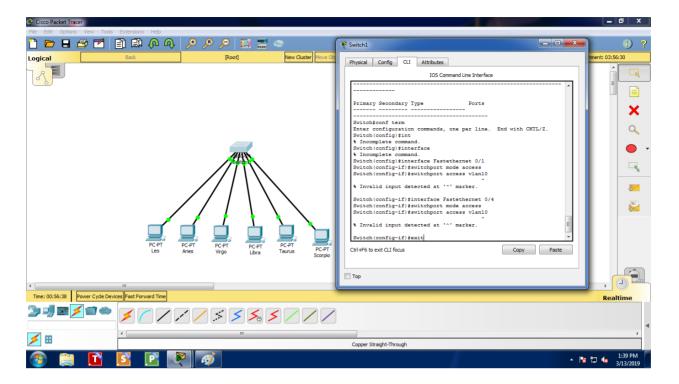
#### Desain



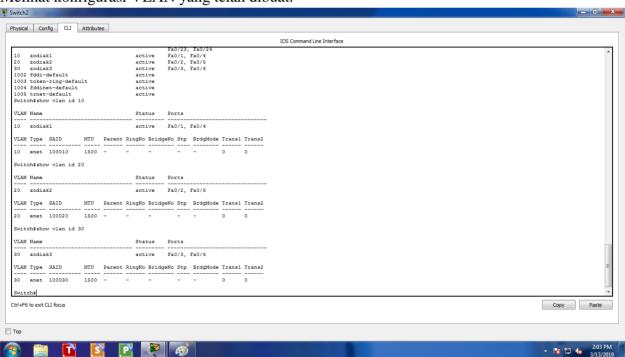
### Konfigurasi pada switch dengan mode user dan mode previlage







Melihat konfigurasi VLAN yang telah dibuat.



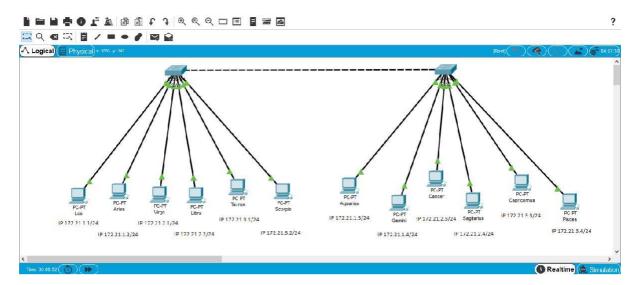
NO.	VARIABEL	NILAI
1.	Nomor VLAN	10
2.	Nama VLAN	Zodiak1
3.	Port	Fa 0/1, fa 0/4
4.	Status	Active

NO.	VARIABEL	NILAI
1.	Nomor VLAN	20
2.	Nama VLAN	Zodiak2
3.	Port	Fa 0/2, fa 0/5
4.	Status	Active

NO.	VARIABEL	NILAI
1.	Nomor VLAN	30
2.	Nama VLAN	Zodiak3
3.	Port	Fa 0/5, fa 0/6
4.	Status	Active

# **Kegiatan 2**

Menggunakan cisco packet tracer untuk membuat topologi menggunakan Switch Catalyst 2950.



- Nama perangkat SW1 (switch0), leo (PC0), aries (PC1), virgo (PC2), libra (PC3), taurus 2.
- (PC4), scorpio (PC5) Nama perangkat SW2 (switch1), aquarius (PC6), gemini (PC7), cancer (PC8), sagitarius (PC9), capricornus (PC10), Pisces (PC11) 3.

#### 4. Konfigurasi masing-masing PC:

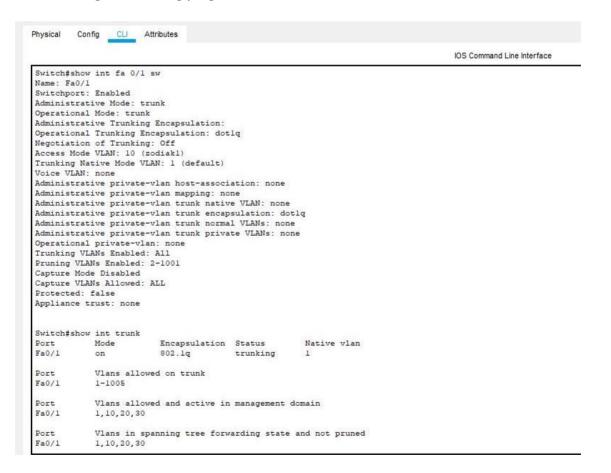
- Leo = 172.21.1.1/24
- Aries = 172.21.1.2/24
- Virgo = 172.21.2.1/24
- Libra = 172.21.2.2/24
- Taurus = 172.21.3.1/24
- Scorpio = 172.21.3.2/24
- Aquarius = 172.21.1.3/24
- Gemini = 172.21.1.4/24
- Cancer = 172.21.2.3/24
- Sagitarius = 172.21.2.4/24
- Capricornus = 172.21.3.3/24
- Pisces = 172.21.3.4/24

#### 5. Melakukan langkah 4 dan 5 pada kegiatan 1

```
Config
                       Attributes
Physical
                CLI
%LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, cha
Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #vlan 10
Switch(config-vlan) #name zodiakl
Switch (config-vlan) #ex
Switch(config) #vlan 20
Switch(config-vlan) #name zodiak2
Switch(config-vlan) #ex
Switch(config) #vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#ex
Switch(config) #int fa 0/1
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 10
Switch(config-if)#int fa 0/4
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 0/5
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 0/6
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 30
Switch(config-if)#ex
Switch(config)#
```

#### 6. Melakukan konfigurasi VLAN trunking pada switch 1

#### 7. Melihat konfigurasi trunking yang telah dibuat



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		100020	4,500	-		-		-		4
-		100020	-616						. 0	4
		101002							. 0	4
		101007	4000						. 0	6
		101004	444				1+++		. 0	
1002	TERMS	101005	4511				Altr.		۰	c
	Type	CAID	MET	Pacent	Ruagila	Desidonilo	Stp	Dodgillode	Transl	Trans2

8. Melakukan ping dari PC leo ke PC pisces

```
Physical Config Desktop Programming Attributes

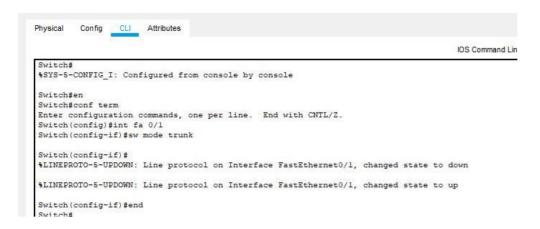
Command Prompt

Packet Tracer PC Command Line 1.0
C:\>
ping 172.21.3.4

Pinging 172.21.3.4 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.3.4:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>

| Top |
```

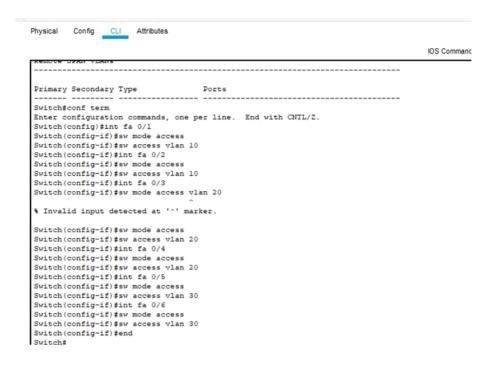
#### 9. Melakukan konfigurasi VLAN trunkung pada switch 2



#### 10. Melihat konfigurasi vlan pada switch 2



- 11. Melakukan konfigurasi port-port switch ke dalam VLAN dengan anggota
  Zodiak1 = aquarius dan gemini
  Zodiak2 = cancer dan sagitarius
  Zodiak3 = capricornus dan pisces



#### 12. Melakukan ping

PC leo ke PC aries dan PC leo ke PC aquarius

# PC leo ke PC pisces

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>
ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.1.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

### PC libra ke PC cancer dan PC libra ke PC leo

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>
ping 172.21.2.3

Pinging 172.21.2.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.2.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:
Request timed out.
Ping statistics for 172.21.1.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```