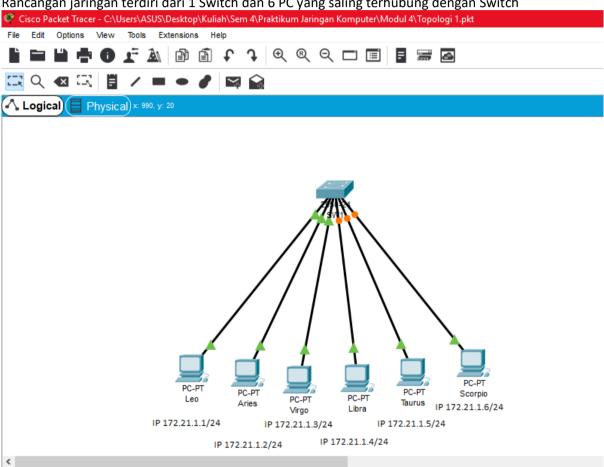
Nama: Dwiky Nugraha

NIM : L200170154

Kelas : D Modul : 4

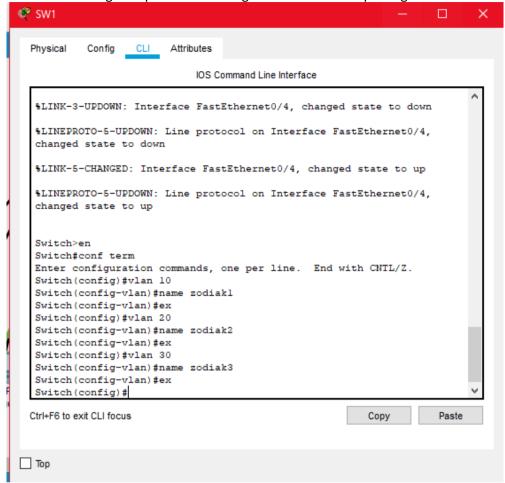
### Kegiatan 1

. Membuat topologi jaringan menggunakan cisco packet tracer Rancangan jaringan terdiri dari 1 Switch dan 6 PC yang saling terhubung dengan Switch



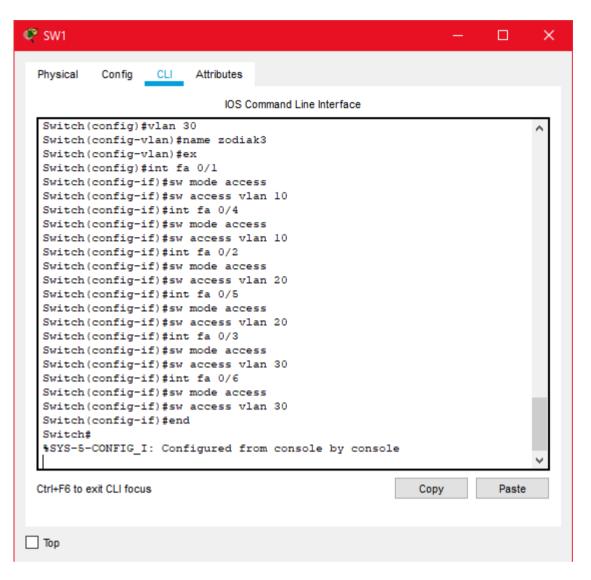
- 2. Perangkat diberi nama dengan berikut
  - SW (Switch)
  - Leo (PCO)
  - Aries (PC1)
  - Virgo (PC2)
  - Libra (PC3)
  - Taurus (PC4)
  - Scorpio (PC5)
- 3. Konfigurasi IP masing masing PC
  - Leo = 172.21.1.1/24
  - Aries = 172.21.1.2/24
  - Virgo = 172.21.1.3/24
  - Libra = 172.21.1.4/24
  - Taurus = 172.21.1.5/24
  - Scorpio = 172.21.1.6/24

4. Melakukan konfigurasi pada switch dengan mode user atau privileged

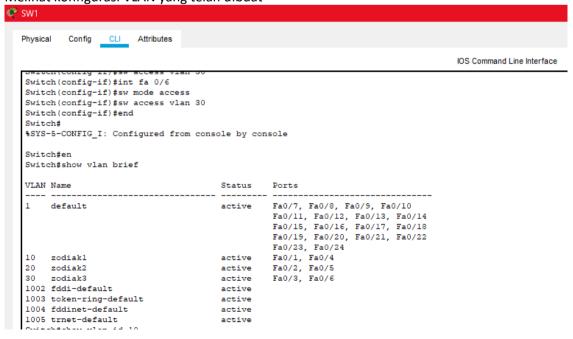


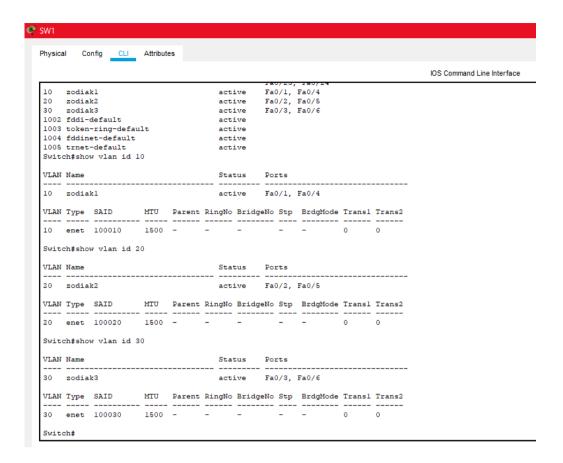
Membuat 3 VLAN dengan nama zodiak1, zodiak2, zodiak3

- 5. Melakukan konfigurasi port-port switch ke dalam VLAN dengan anggota:
  - Zodiak1 = leo dan libra
  - Zodiak2 = aries dan taurus
  - Zodiak3 = virgo dan scorpio



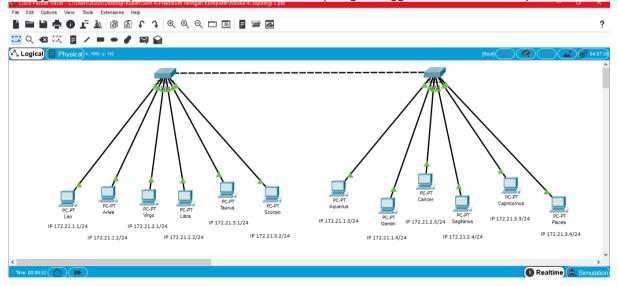
6. Melihat konfigurasi VLAN yang telah dibuat





## Kegiatan 2

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



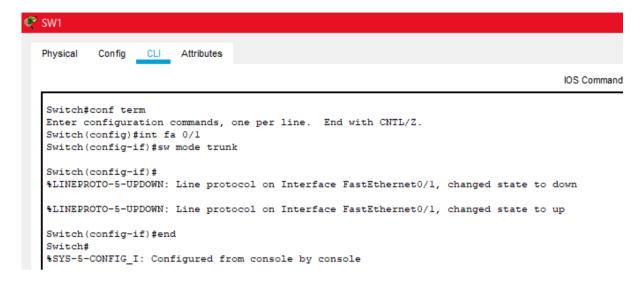
- 2. Nama perangkat SW1 (switch0), leo (PC0), aries (PC1), virgo (PC2), libra (PC3), taurus (PC4), scorpio (PC5)
- 3. Nama perangkat SW2 (switch1), aquarius (PC6), gemini (PC7), cancer (PC8), sagitarius (PC9), capricornus (PC10), Pisces (PC11)

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

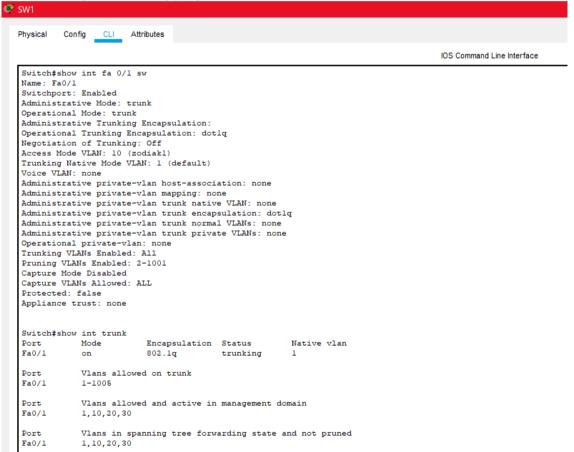
- Leo = 172.21.1.1/24
- Aries = 172.21.1.2/24
- Virgo = 172.21.2.1/24
- Libra = 172.21.2.2/24
- Taurus = 172.21.3.1/24
- Scorpio = 172.21.3.2/24
- Aquarius = 172.21.1.3/24
- Gemini = 172.21.1.4/24
- Cancer = 172.21.2.3/24
- Sagitarius = 172.21.2.4/24
- Capricornus = 172.21.3.3/24
- Pisces = 172.21.3.4/24
- 5. Melakukan langkah 4 dan 5 pada kegiatan 1

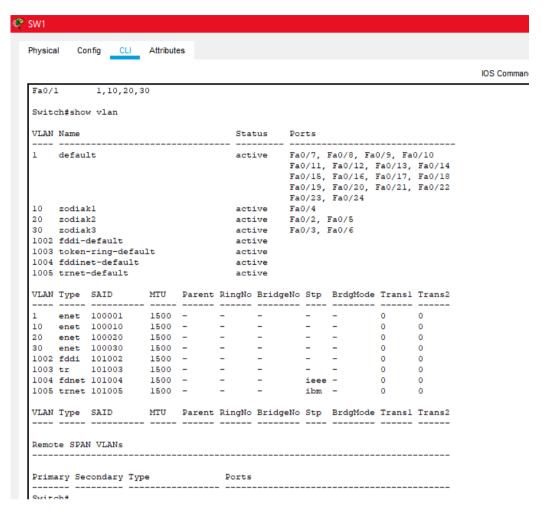
```
Physical
       Config CLI
                       Attributes
 %LINK-5-CHANGED: Interface FastEthernet0/4, changed state to up
 %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, cha
Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #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





8. Melakukan ping dari PC leo ke PC pisces

```
Physical Config Desktop Programming Attributes

Command Prompt

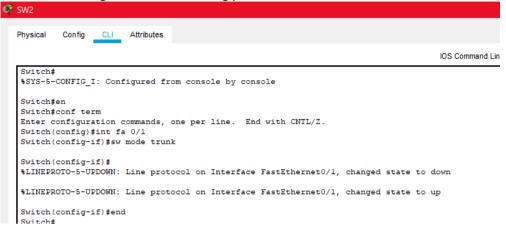
X

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

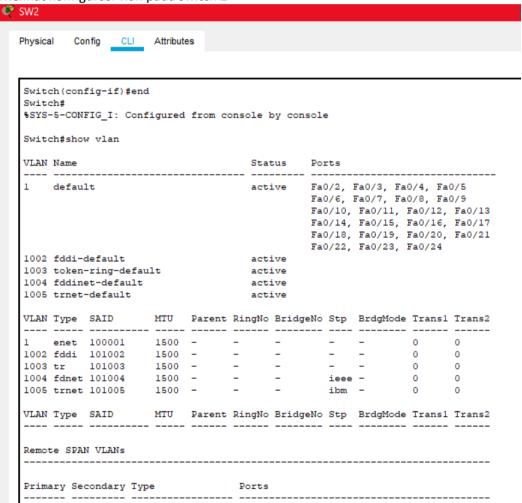
Pinging 172.21.3.4 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>

Top
```

9. Melakukan konfigurasi VLAN trunkung pada switch 2



10. Melihat konfigurasi vlan pada switch 2

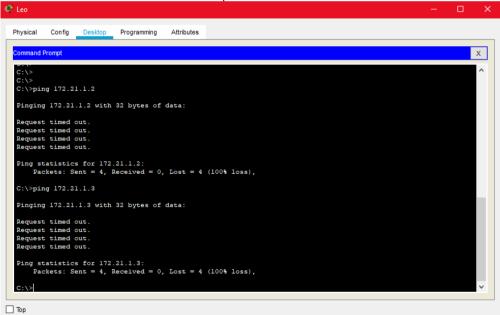


- 11. Melakukan konfigurasi port-port switch ke dalam VLAN dengan anggota
  - Zodiak1 = aquarius dan gemini
  - Zodiak2 = cancer dan sagitarius
  - Zodiak3 = capricornus dan pisces



#### 12. Melakukan ping

PC leo ke PC aries dan PC leo ke PC aquarius



PC leo ke PC pisces

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