Nama : Rahmat Beny Susanto

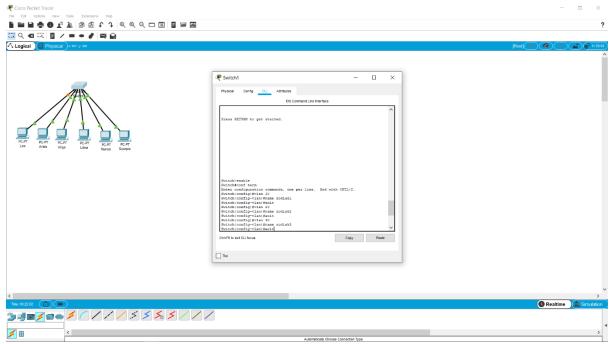
NIM : L200180079

PRAKTIKUM JARINGAN

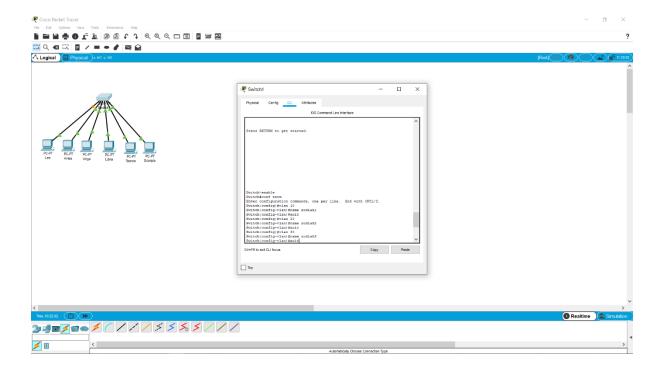
MODUL 4

Kegiatan

Topologi 1
 Desain topologi, penamaan, dan penyetingan IP Adress

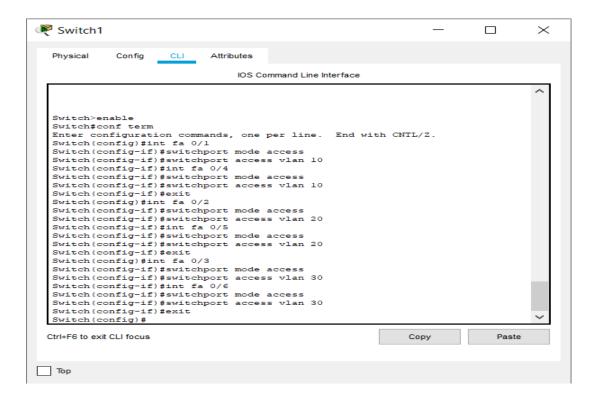


Konfigurasi pada switch untuk membuat 3 vlan dengan nama zodiak1, zodiak2, dan zodiak3

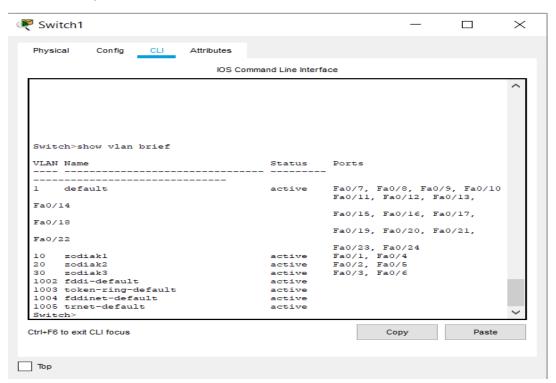


Konfigurasi port-port switch ke dalam vlan zodiak1, zodiak2, dan zodiak3 dengan anggota sebagai berikut :

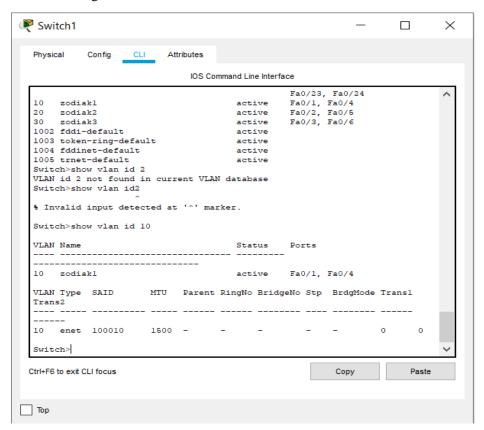
- Zodiak1 = Leo dan pisces
- Zodiac2 = Aries dan Taurus
- Zodiak3 = Virgo dan Scorpio



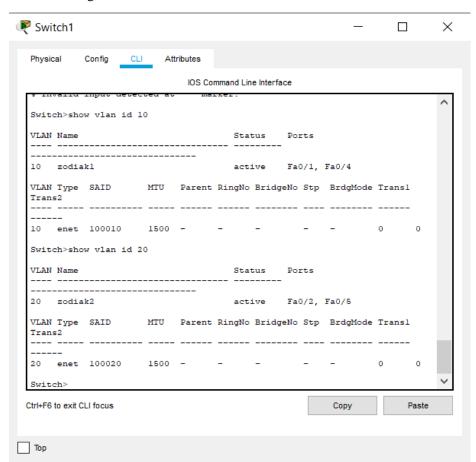
Melihat konfigurasi keseluruhan



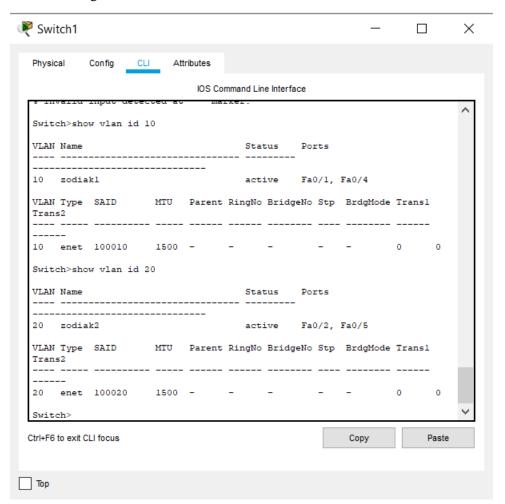
Melihat konfigurasi vlan 10



Melihat konfigurasi vlan 20



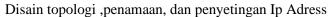
Melihat konfigurasi vlan 30

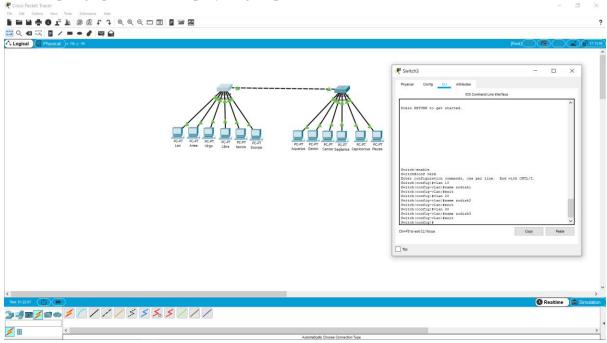


Tabel informasi konfigurasi

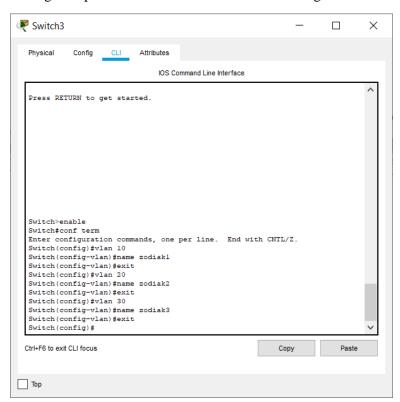
No	Variabel		Nilai	
1	No vlan	10	20	30
2	Nama Vlan	Zodiak1	Zodiak2	Zodiak3
3	Port	Fa 0/1, Fa 0/4	Fa 0/2, Fa 0/5	Fa 0/3, Fa 0/6
4	Status	Active	Active	Active

2. Topologi 2





Konfigurasi pada switch untuk membuat 3 vlan dengan nama zodiak1, zodiak2, dan zodiak3

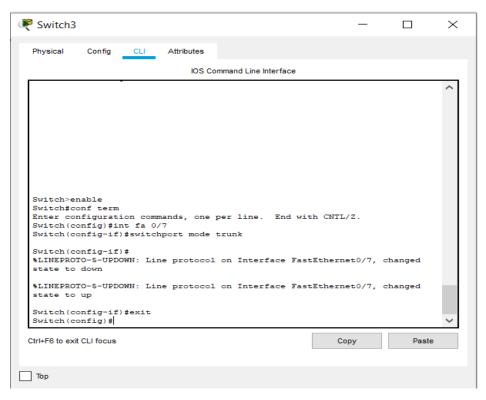


Konfigurasi port-port swtich ke dalam vlan zodiak1, zodiak2, dan zodiak3 dengan anggota sebagai berikut:

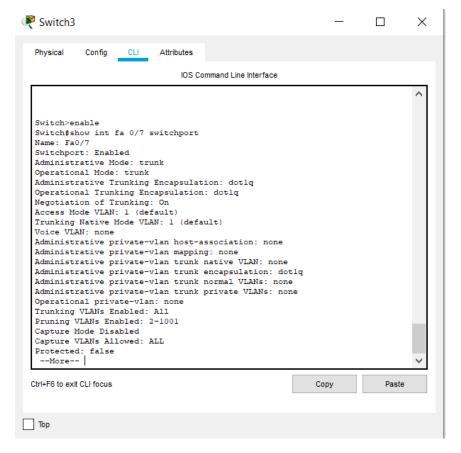
- Zodiak1 = leo1, libra 1, aquarius1 dan gemini1
- Zodiak2 = aries1, taurus1, cancer1 dan sagitarius1
- Zodiak3 = virgo1, scorpio1, caprocons1, dan pisces



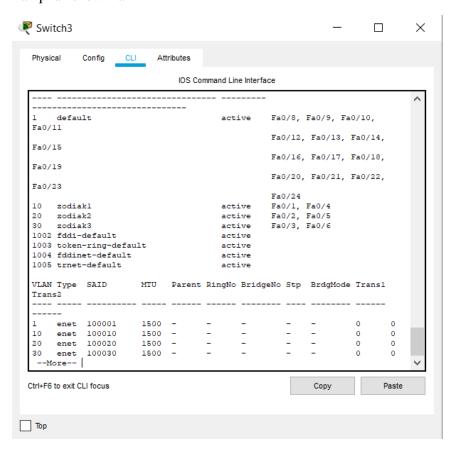
Konfigurasi vlan trunking pada switch1



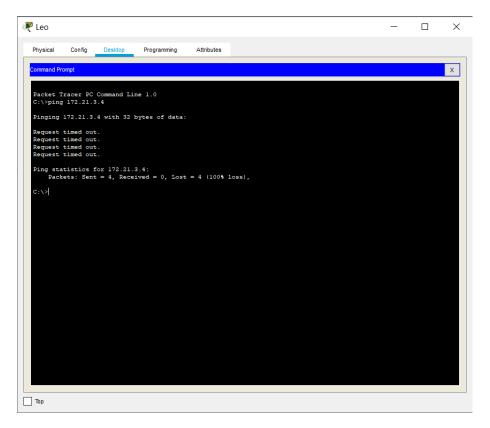
Melihat konfigurasi trucking pada switch1



Tampilan show vlan

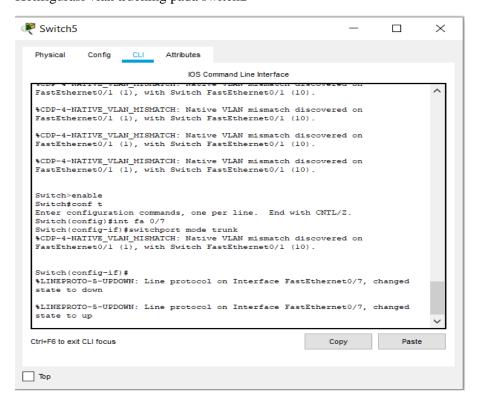


Uji ping pc leo ke pisces

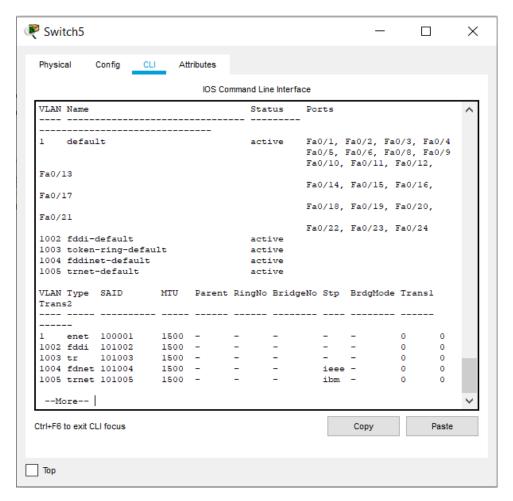


Hasilnya RTO, karena pada PC pisces tidak berada pada vlan yang sama dengan pc leo

Konfigurasi vlan trucking pada switch2



Melihat konfigurasi trucking pada switch 2



Pada langkah ini port-port fastethernet belum terkonfigurasi ke dalam vlan, bahkan vlannya blm dibuat

Konfigurasi port-port switch ke dalam vlan zodiak1, zodiak2, dan zodiak3 dengan keanggotaan sebagai berikut:

- Zodiak1 = leo, libra, aquarius dan gemini
- Zodiak2 = aries, Taurus, cancer dan sagitarius
- Zodiak3 = virgo, scorpio, capricons dan pisces



Uji ping

• Pc leo ke pc aries

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\pinging 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:
Fackets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\pinging 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:
Request timed out.
Cequest timed out.
Request stimed out.
Cequest Stimed out.
Ping statistics for 172.21.1.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\pi
```

Pc leo ke pc aquarius Pc leo ke pisces

Pc libra ke pc cancer

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>172.21.2.3
Invalid Command.
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.
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

Pc libra ke leo

```
Ribra 🗬
                                                                                                                                                                                                 X
                      Config Desktop
                                                        Programming
                                                                                    Attributes
    Command Prompt
    Packet Tracer PC Command Line 1.0 C:\>172.21.2.3 Invalid Command.
     C:\>ping 172.21.2.3
     Pinging 172.21.2.3 with 32 bytes of data:
     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:
    Reply from 172.21.1.1: bytes=32 time<1ms TTL=128
Reply from 172.21.1.1: bytes=32 time=4ms TTL=128
Reply from 172.21.1.1: bytes=32 time=2ms TTL=128
Reply from 172.21.1.1: bytes=32 time<1ms TTL=128
    Ping statistics for 172.21.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = 4ms, Average = 1ms
Тор
```

Dari berberapa percobaan diatas, dapat disimpulkan apabilaPC berada pada Vlan yang sama, maka akan menghasilkan balasan dari ip tujuan pada saat melakukan ping, tetapi jika berbeda Vlan maka akan RTO