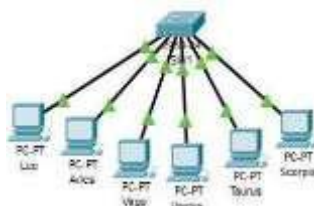


Modul 4

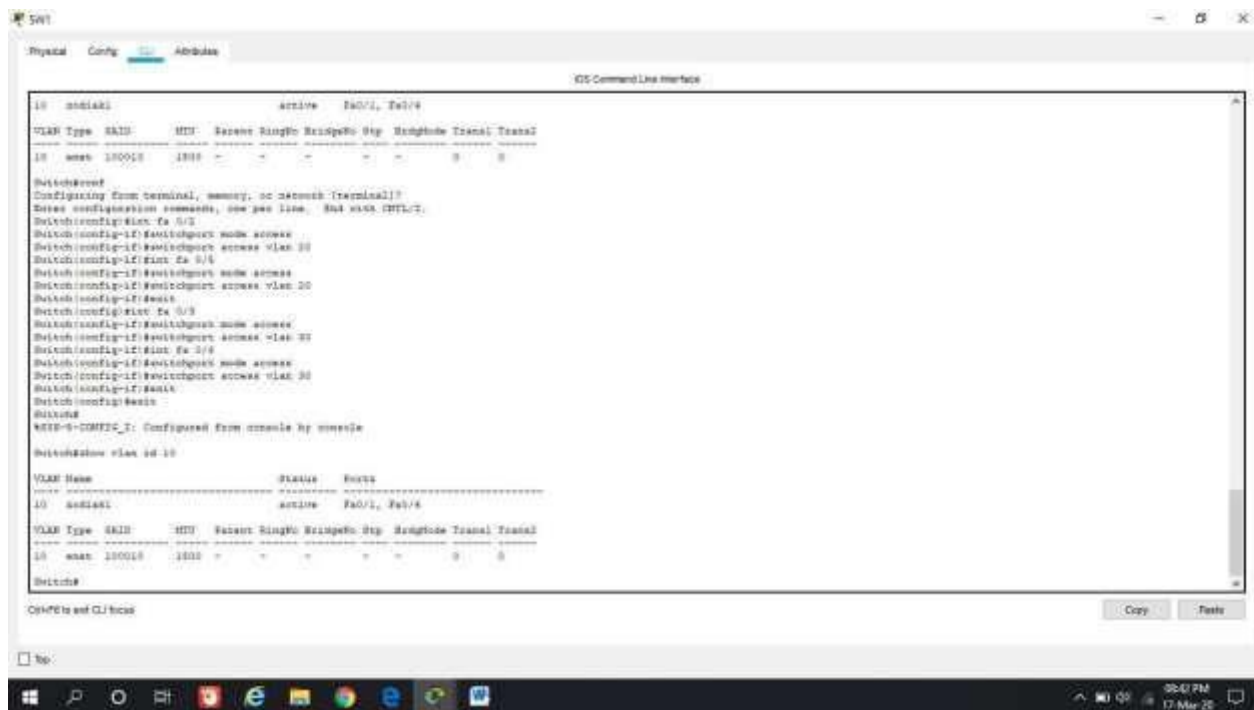
Nama : Aulia Yogatama
NIM : L200180081
Kelas : B

Topologi 1

1. Rancangan jaringan



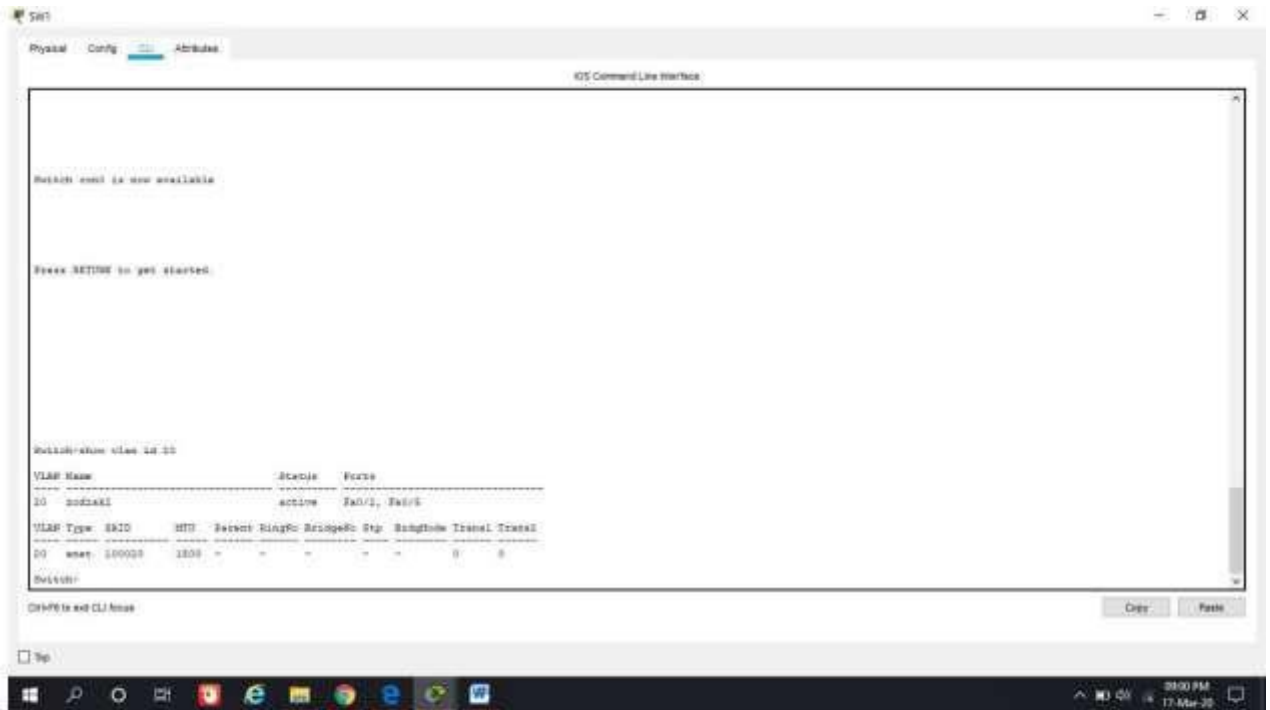
2. Vlan 10



No	Variabel	Nilai
1	Nomor VLAN	10
2	Nama Vlan	Zodiak1
3	Port	Fa 0/1, Fa 0/4
4	Status	active

Vlan 10 dengan nama zodiak1 dan memiliki port Fa 0/1 dan Fa0/4 yang merupakan anggota dari zodiak1 yaitu Leo dan Libra, dan berstatus active

3. Vlan 20



No	Variabel	Nilai
1	Nomor VLAN	20
2	Nama Vlan	Zodiak2
3	Port	Fa 0/2, Fa 0/5
4	Status	active

Vlan 20 dengan nama zodiak2 dan memiliki port Fa 0/2 dan Fa 0/5 yang merupakan anggota dari zodiak2 yaitu Aries dan Taurus, dan berstatus active

4. Vlan 30

```

Switch/Show vlan id 30

VLAN Name                Status Ports
-----
10 zodiak3                active Fa0/3, Fa0/6

VLAN Type  MTU  Parent RingNo BridgeNo Stp  HdgfHdw Trnsnl Trnsnl
10 mst 100003 1500 - - - - - - - 0 0

Switch/Show vlan id 30

VLAN Name                Status Ports
-----
10 zodiak3                active Fa0/3, Fa0/6

VLAN Type  MTU  Parent RingNo BridgeNo Stp  HdgfHdw Trnsnl Trnsnl
10 mst 100003 1500 - - - - - - - 0 0

Switch/

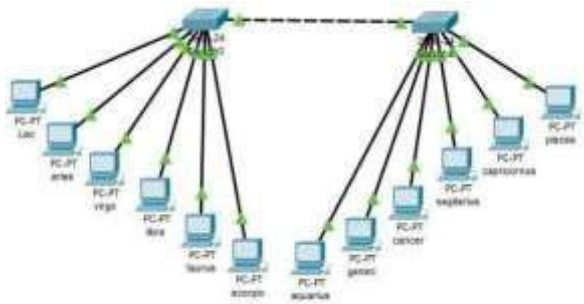
```

No	Variabel	Nilai
1	Nomor VLAN	30
2	Nama Vlan	Zodiak3
3	Port	Fa 0/3, Fa 0/6
4	Status	Active

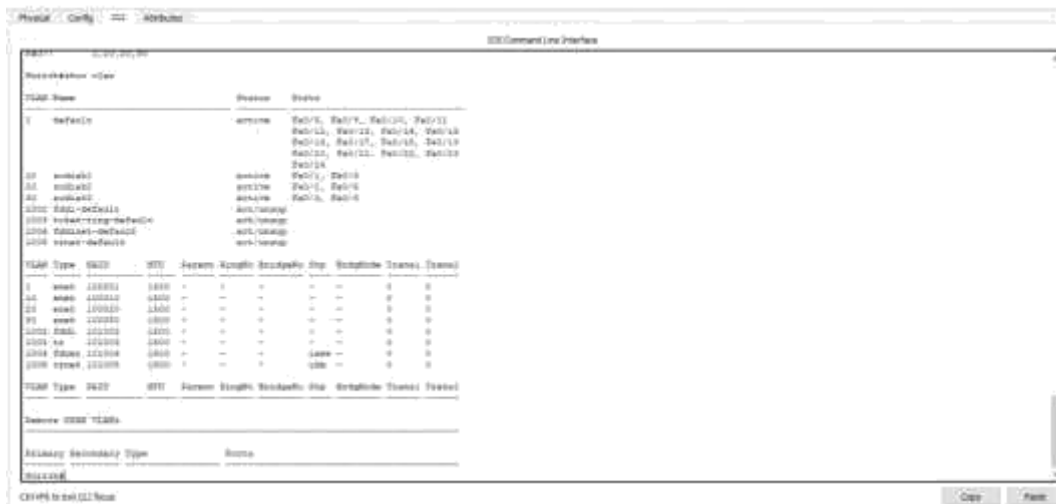
Vlan 30 dengan nama zodiak3 dan memiliki port Fa 0/3 dan Fa 0/6 yang merupakan anggota dari zodiak3 yaitu Virgo dan Scorpio, dan berstatus active

Topologi 2

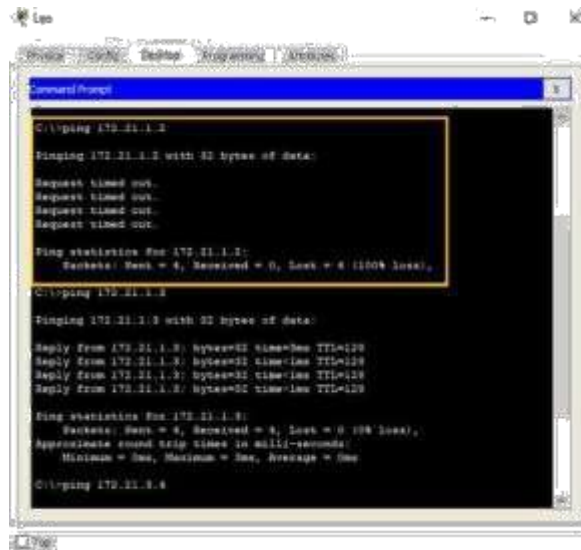
1. Rancangan Jaringan



2. Trunk pada switch 1

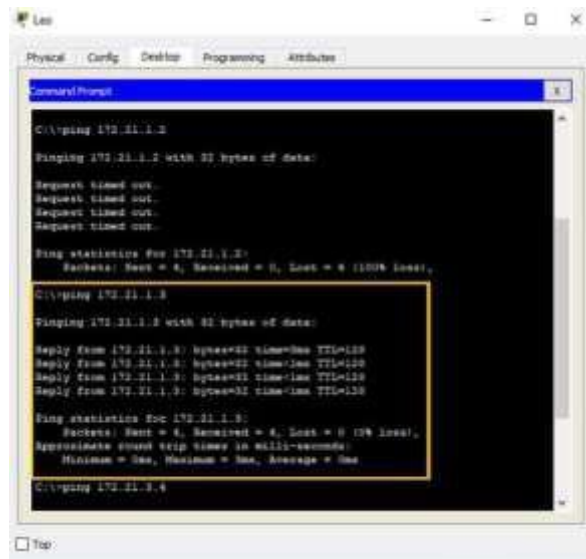


3. Melakukan ping dari pc leo ke pc pisces



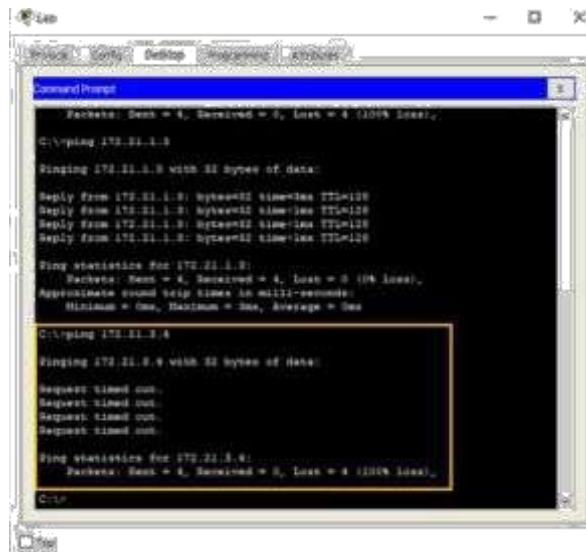
Hasil ping dari PC leo ke PC aries “Request timed out” karena PC leo dan PC aries tidak berada dalam satu VLAN meskipun memiliki network access yang sama.

6. Melakukan ping dari pc leo ke pc aquarius



Hasil ping dari PC leo ke PC aquarius “Reply” karena PC leo dan PC aquarius berada dalam satu VLAN dan memiliki network access yang sama.

7. Melakukan ping dari pc leo ke pc pisces



```
Packet: Sent = 4, Received = 0, Loss = 4 (100% loss),
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Loss = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 172.21.3.4

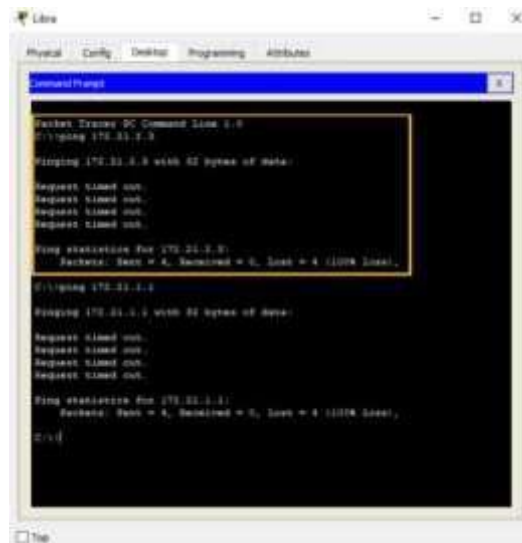
Pinging 172.21.3.4 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Loss = 4 (100% loss),
C:\>
```

Hasil ping dari PC leo ke PC pisces “Request timed out” karena PC leo dan PC pisces tidak berada dalam satu VLAN dan memiliki network access yang berbeda.

8. Melakukan ping dari pc libra ke pc cancer



```
Packet Tracer PC Command Line 1-8
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 0, Loss = 4 (100% loss),
C:\>ping 172.21.3.4

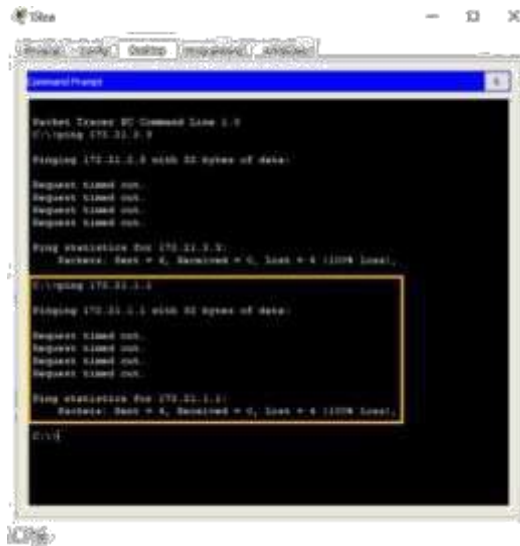
Pinging 172.21.3.4 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.3.4:
    Packets: Sent = 4, Received = 0, Loss = 4 (100% loss),
C:\>
```

Hasil ping dari PC libra ke PC cancer “Request timed out” karena PC libra dan PC cancer tidak berada dalam satu VLAN meskipun memiliki network access yang sama

9. Melakukan ping dari pc libra ke pc leo



```
Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.1:
    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.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Hasil ping dari PC libra ke PC leo “Request timed out” karena PC libra dan PC leo tidak berada dalam satu VLAN meskipun memiliki network access yang sama.