Nama: Dwi Alvian V.A

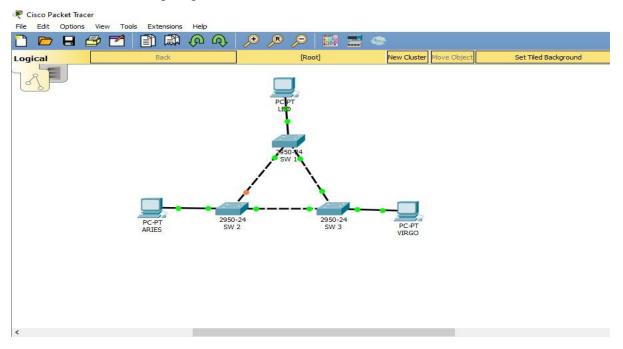
NIM: L200180052

Kelas: B

PRAK JARKOM MODUL 6

1. Kegiatan 1

a. Membuat topologi



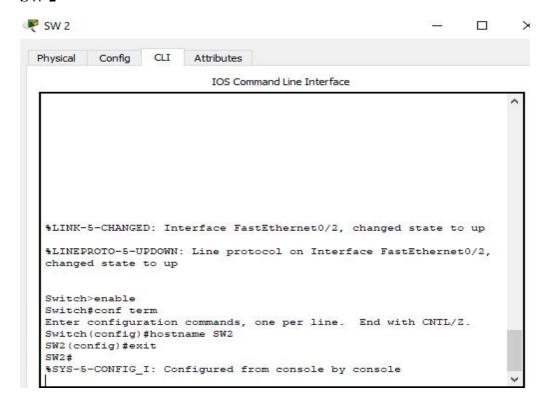
Tugas 1 A:

b. Beri nama masing" switch dg SW1, SW2, dan SW3

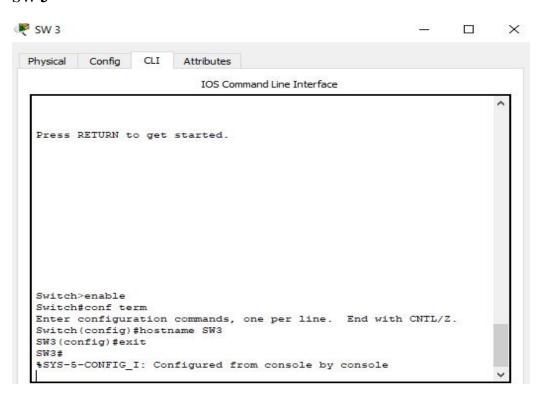
SW 1



SW 2



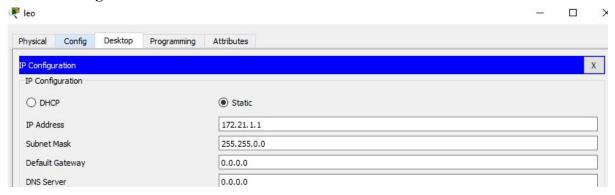
SW 3



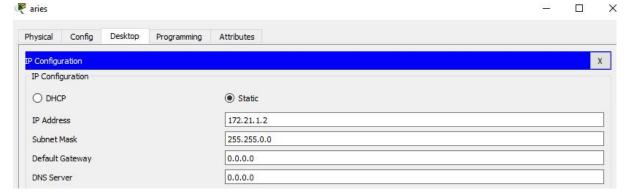
Tugas 2 A:

c. Konfigurasi masing" PC

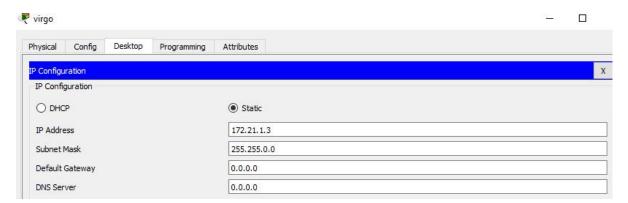
Konfigurasi PC Leo



Konfigurasi PC aries

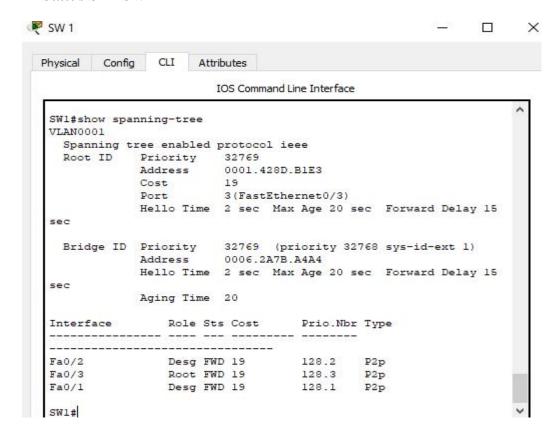


Konfigurasi PC Virgo

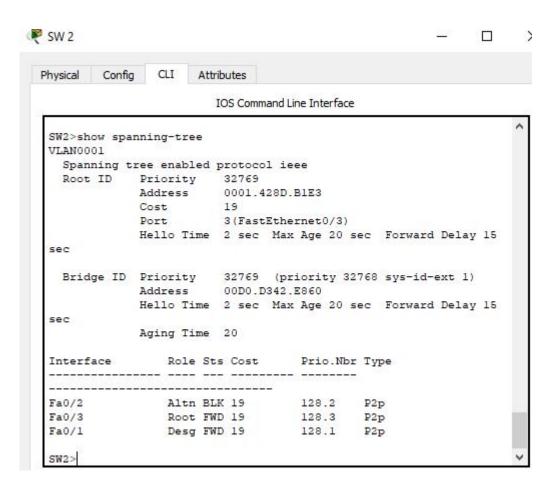


d. Snapping-tree pada Switch

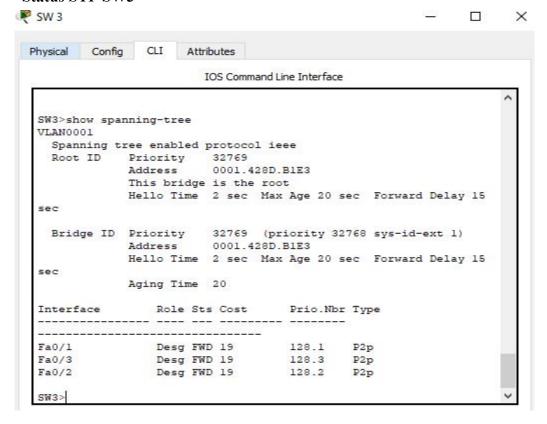
Status STP SW 1



Status STP SW2



Status STP SW3



Tugas 4B:

SW 1

No	Variable	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.428D.B1E3
4	Bridge ID	-
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 2

No	Variable	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.428D.B1E3
4	Bridge ID	-
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 3

No	Variable	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.428D.B1E3
4	Bridge ID	-
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Tugas 4 C:

- Root bridge: **SW 3**

- Designated bridge: SW 3

- Root port : SW1 (Fa0/3) dan SW2 (Fa0/3)

- Designated port : SW1 (Fa0/1; Fa0/2), SW2 (Fa0/1), dan SW3 (Fa0/1; Fa0/2; Fa0/3)

Tugas 4 D:

- Forwarding

SW1 (Fa0/1; Fa0/2; Fa0/3)

SW2 (Fa0/1; Fa0/3)

SW3 (Fa0/1; Fa0/2; Fa0/3)

- Blocking SW2 (Fa0/2)

Tugas 5 A:

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.3

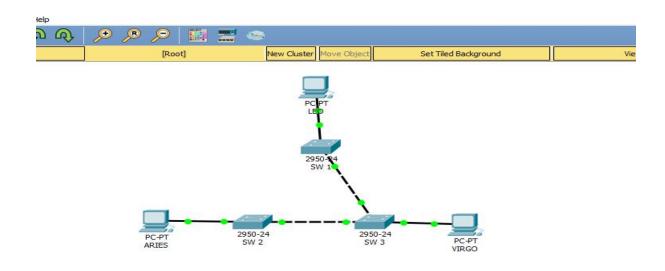
Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=96ms 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, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 96ms, Average = 24ms
```

2. Kegiatan 2

a. Mebuat topologi



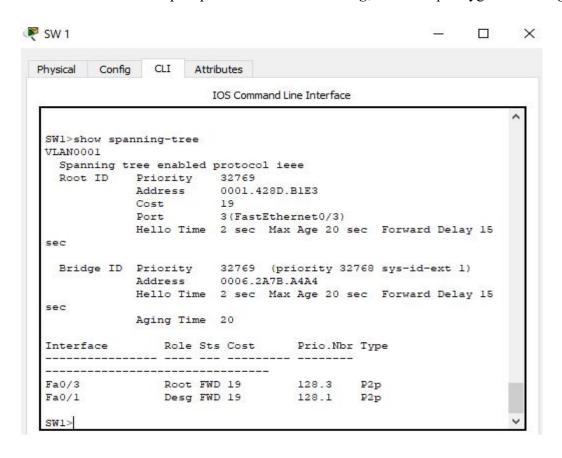


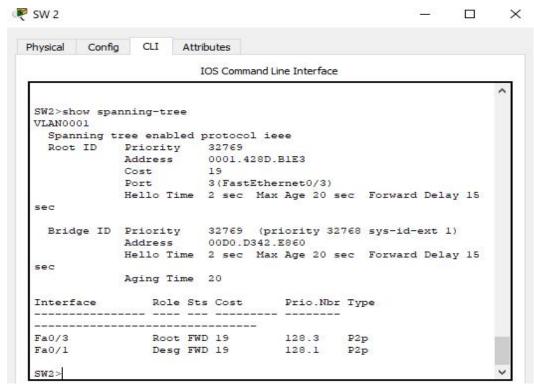
Tugas 9A:

Setelah mengubah struktur topologi jar selanjutnya lakukan spt pada lab.4 dan lab.5 menentukan kondisi *default* tsb, *switch*, dan *port* dg mengetik *show spanning-tree* pada masing" *switch*.

- Menjadi root bridge adalah SW3
- Menjadi designated bridge adalah SW3
- Menjadi root port adalah SW2 (Fa0/3) dan SW1 (Fa0/3)
- Menjadi designated port adalah SW1 (Fa0/1), SW2 (Fa0/1), dan SW3 (Fa0/1; Fa0/2; Fa0/3)

Pada semua **switch** semua port pada keadaan *Forwarding*, tidak ada *port* yg ter *Blocking*.





@ SW 3

Phyicat Conflg CII Atbibutes

IOSCommandGneInMrface

SW3>show spanning-tree					
Spanning t	Spanning tree enabled protocolieee				
foot ID	Priority 3£7fS Address JJU.4£8D.BlZ3				
	Ihis bridge is the root				
sec	Hello lime £ sec Har Age £J sec Forward Delay 16				
sec					
Bridge ID	Priority 3£7fS {priority 3£7f8 sys-id-ert 1) Address JJU.4£8D.BlZ3				
	Hello lime £ sec Har Age £J sec Forward Delay 16				
sec	Aging lime £J				
l of: e z ac e	Role Sts Cost Prio.Nbr lype				
Ka'3./1	Desg FWD 1S 128.1 P2p				
Ka'3./3	Desg FWD 1S 128.3 P2p				
Ka'3./2	Desg FWD 1S 128.2 P2p				
SW3>	V				