Nama : SARTIKA RIZKY M

NIM : L200170118

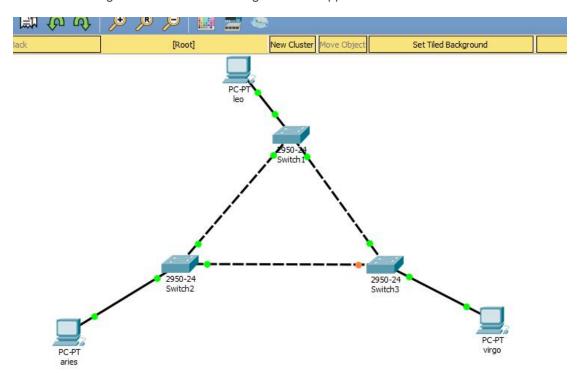
Kelas : C

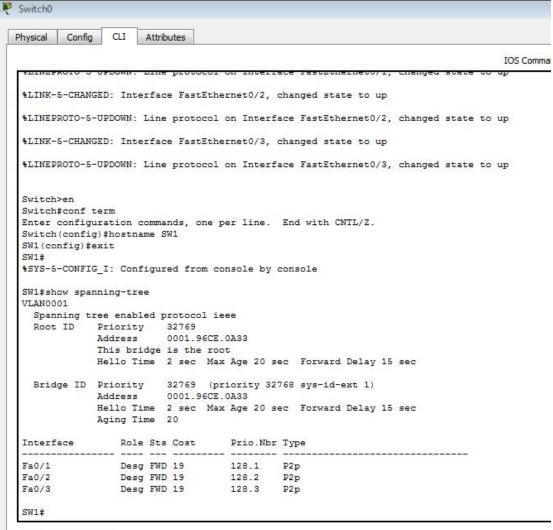
#### **KEGIATAN 1**

Tugas 1A : Langkah-langkah pembuatan topologi

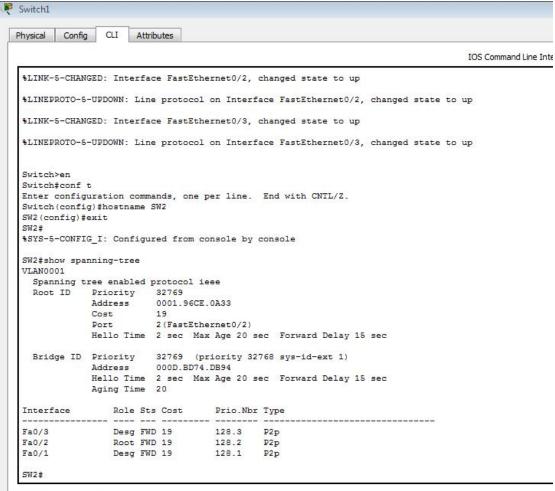
Jawab : - pilih switch 2950-24 sebanyak 3, dan diberi nama switch 1,2,3

- pilih 3 pc yang diletekan di setiap sisi switch dan beri nama leo, aries, virgo
- hubungkan switch dengan pc dengan menggunakan kabel copper straight-through
- hubungkan sesama switch dengan kabel copper cros-over

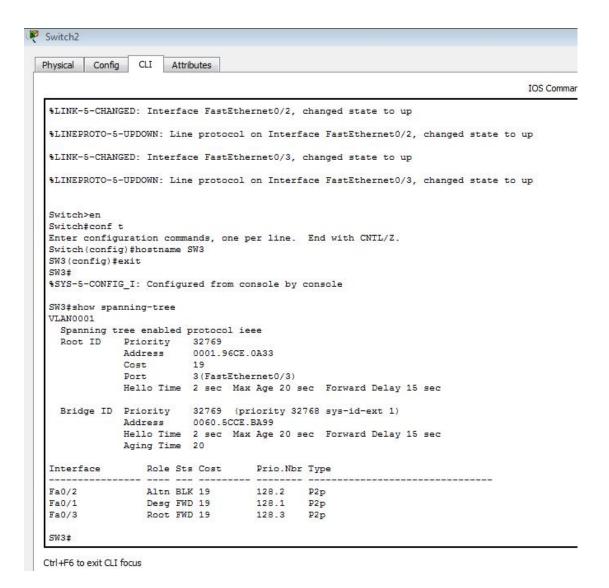




Ctrl+F6 to exit CLI focus



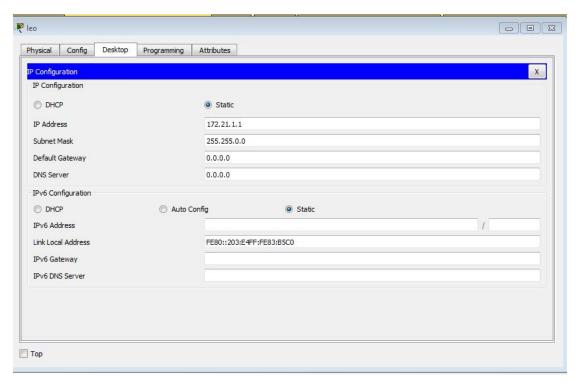
Ctrl+F6 to exit CLI focus

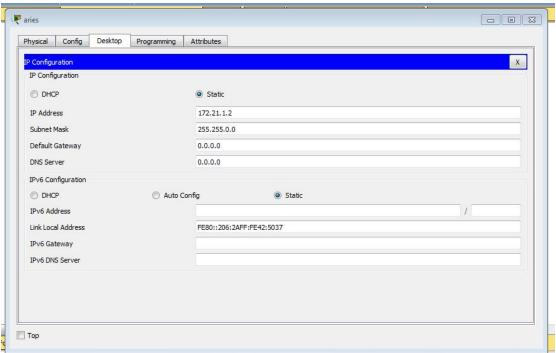


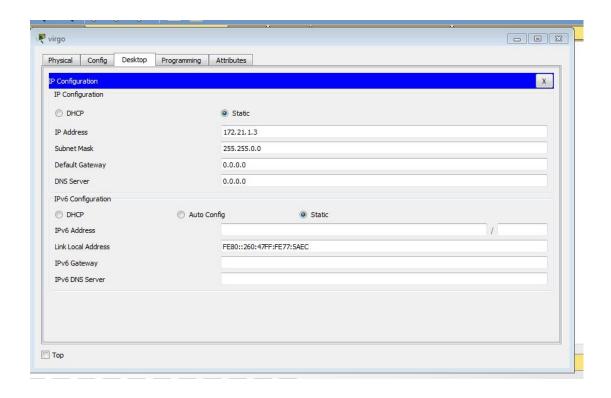
Tugas 2A: pemberian nama dengan mode user

- di masing-masing CLI Switch konfig dengan cara ketik en >> conf t >> hostname nama switch >> exit

Tugas 2B: capture tampilan status STP Switch diatas







# Pemberian alamat IP pada masing-masing PC

Tugas 4B: tabel tiap switch SW1

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	0001.96CE.DA33
4.	Bridge ID	32769
5.	Cost (0/1;0/2;0/3)	19,19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

## SW1

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	000D.BD74.DB94
4.	Bridge ID	32769
5.	Cost (0/1;0/2;0/3)	19,19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

### SW3

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	0060.5CCE.BA99
4.	Bridge ID	32769

5.	Cost (0/1;0/2;0/3)	19,19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

#### Tugas 4C:

- menjadi root bridge : SW1

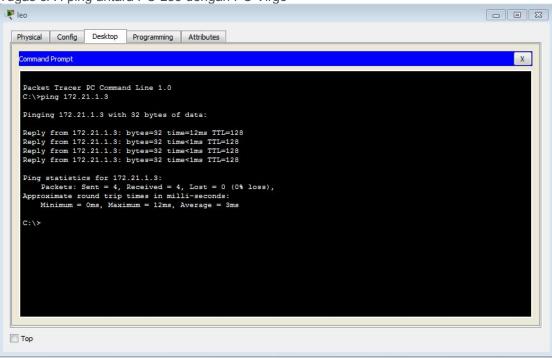
menjadi designated bridge: SW2
menjadi root port: SW2 0/2, SW0/3
menjadi designated port: SW2 0/3

### Tugas 4D:

- keadaan forwarding : SW1 dengan SW2

- keadaan blocking : SW3 0/2

Tugas 5A: ping antara PC Leo dengan PC Virgo

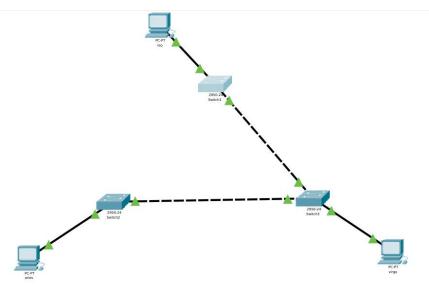


Tugas 6A: meyimpan konfigurasi jaringan

- pilih folder file
- pilih save, kemudian beri nama lab2.pkt

## **KEGIATAN 2**

Tugas 9A:



## Hasil topologi

```
SWI>show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.96CE.0A33
This bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)
Address 0001.96CE.0A33
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/3 Desg FWD 19 128.3 F2p
Fa0/1 Desg FWD 19 128.1 F2p

SWI>
```

#### Default sw1

#### Default sw2

Default sw3

#### SW1

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	0001.96CE.0A33
4.	Bridge ID	32769
5.	Cost (0/3;0/1)	19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

#### SW2

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	000D.BD74.DB94
4.	Bridge ID	32769
5.	Cost (0/1;0/3)	19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

### SW3

No	Variabel	Nilai
1.	Root ID	32769
2.	Priority	-
3.	MAC Address	0060.5CCE.BA99
4.	Bridge ID	32769
5.	Cost (0/1;0/2;0/3)	19,19,19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

## Kondisi Default

root bridge : SW1designated bridge : -root port : SW2, SW3designated port : -

- forwarding : SW1, SW2, SW3

- blocking : -

# Ping PC Leo ke PC Virgo

```
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=21ms 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 = 21ms, Average = 5ms
C:\>
```