Nama: Viola Lovitasari

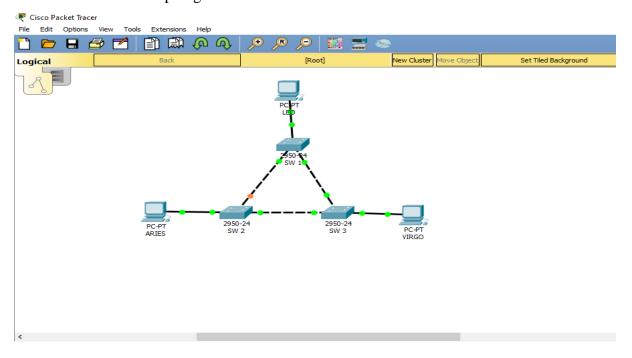
NIM : L200180173

Kelas: D

# PRAK JARKOM MODUL 6

# 1. Kegiatan 1

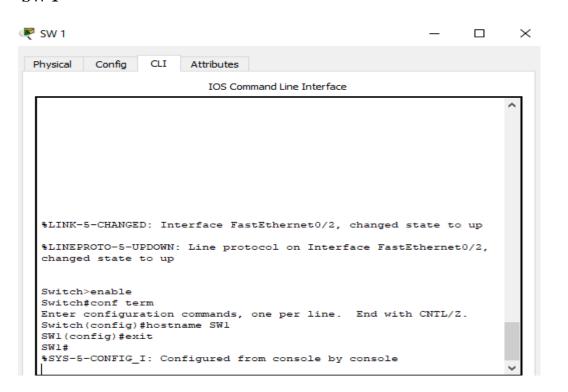
a. Membuat topologi



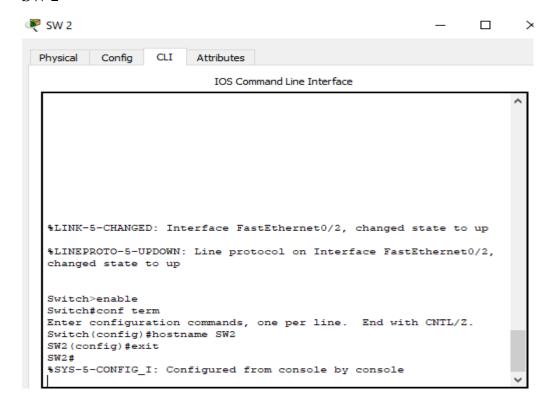
# Tugas 1 A:

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

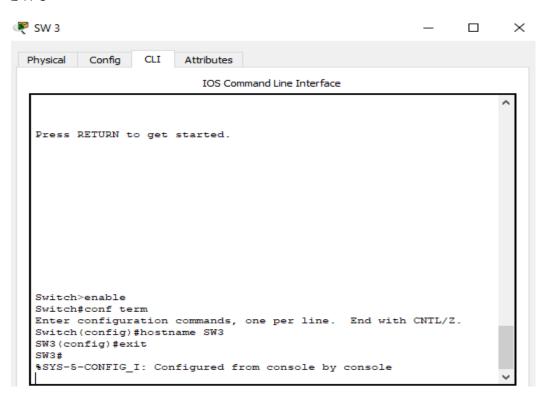
# **SW 1**



# **SW 2**



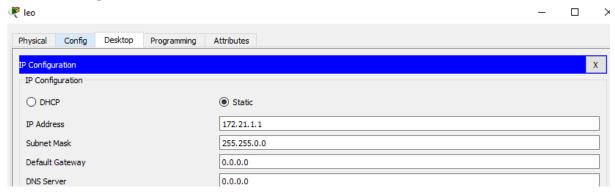
# **SW 3**



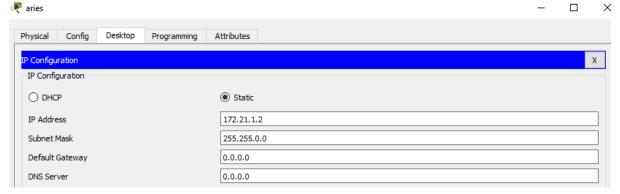
# Tugas 2 A:

c. Konfigurasi masing" PC

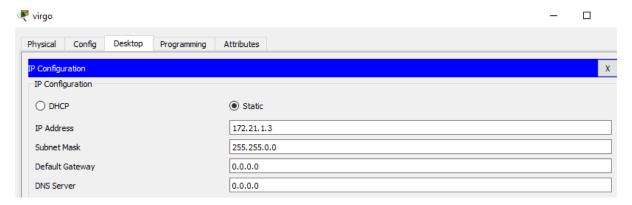
# Konfigurasi PC Leo



# Konfigurasi PC aries

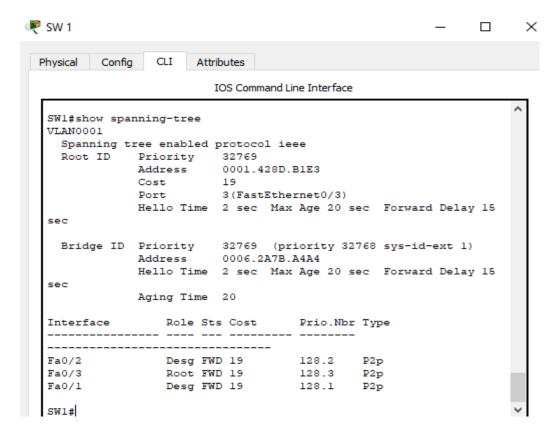


# Konfigurasi PC Virgo

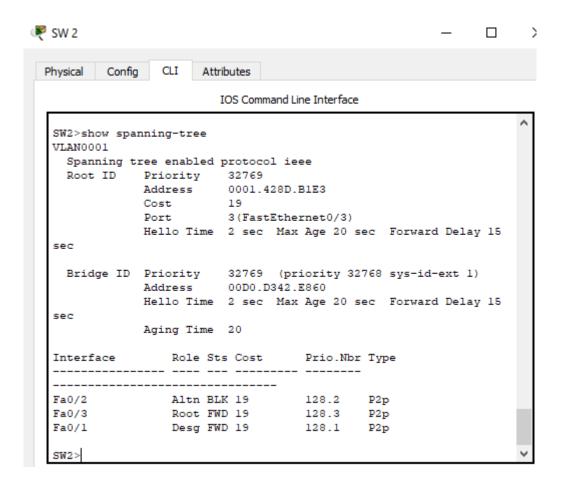


#### d. Snapping-tree pada Switch

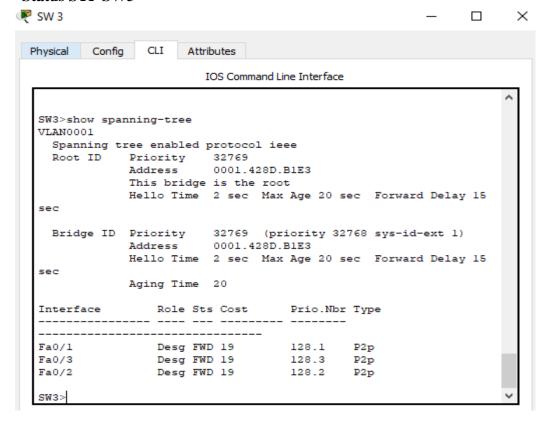
#### **Status STP SW 1**



#### **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

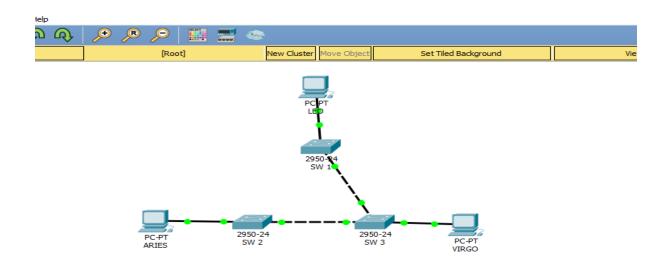
Ping statistics for 172.21.1.3:

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



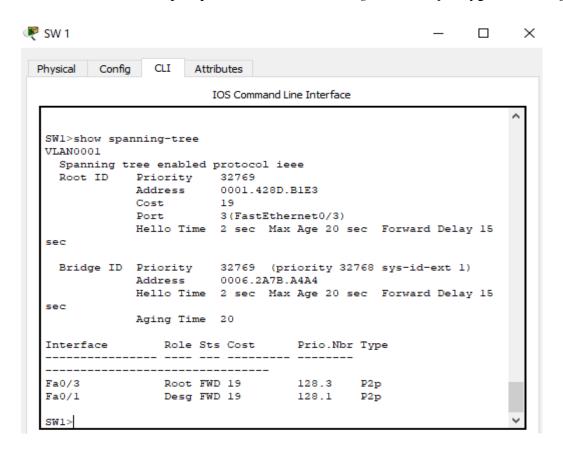


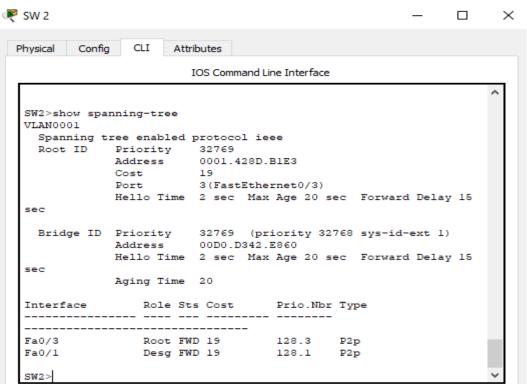
# Tugas 9A:

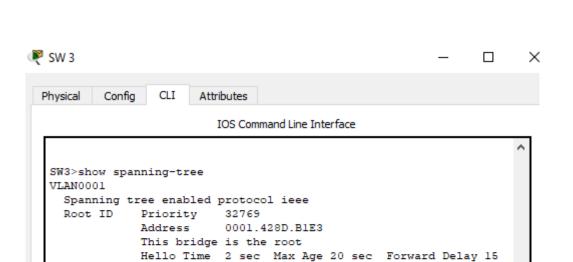
Setelah mengubah struktur topologi jar selanjutnya lakukan spt pada lab.4 dan lab.5 menentukan kondisi *default* tsb, *switch*, dan *port* dg mengetik *show spanning-tree* pada masing" *switch*.

- 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*.







Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)
Address 0001.428D.B1E3

Hello Time 2 sec Max Age 20 sec Forward Delay 15

sec

sec

Aging Time 20

| Interface | Role | Sts | Cost | Prio.Nbr | Type |
|-----------|------|-----|------|----------|------|
|           |      |     |      |          |      |
| Fa0/1     | Desg | FWD | 19   | 128.1    | P2p  |
| Fa0/3     | Desg | FWD | 19   | 128.3    | P2p  |
| Fa0/2     | Desg | FWD | 19   | 128.2    | P2p  |
| swa>      |      |     |      |          |      |