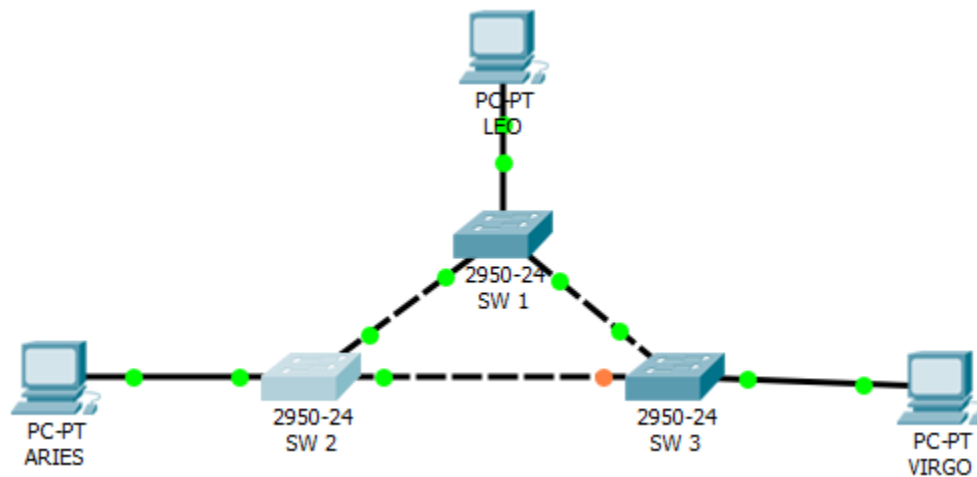


Nama : Sukma Nindi Listyarini
Kelas : D
Nim : L200170147

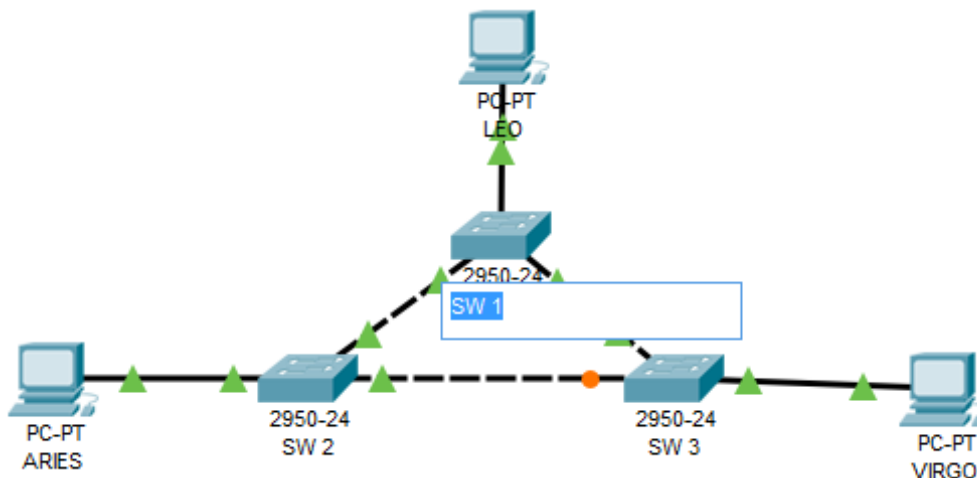
Laporan Praktikum - Jaringan Komputer MODUL 6

Kegiatan 1.

1. Membuat topologi menggunakan Packet Tracer.

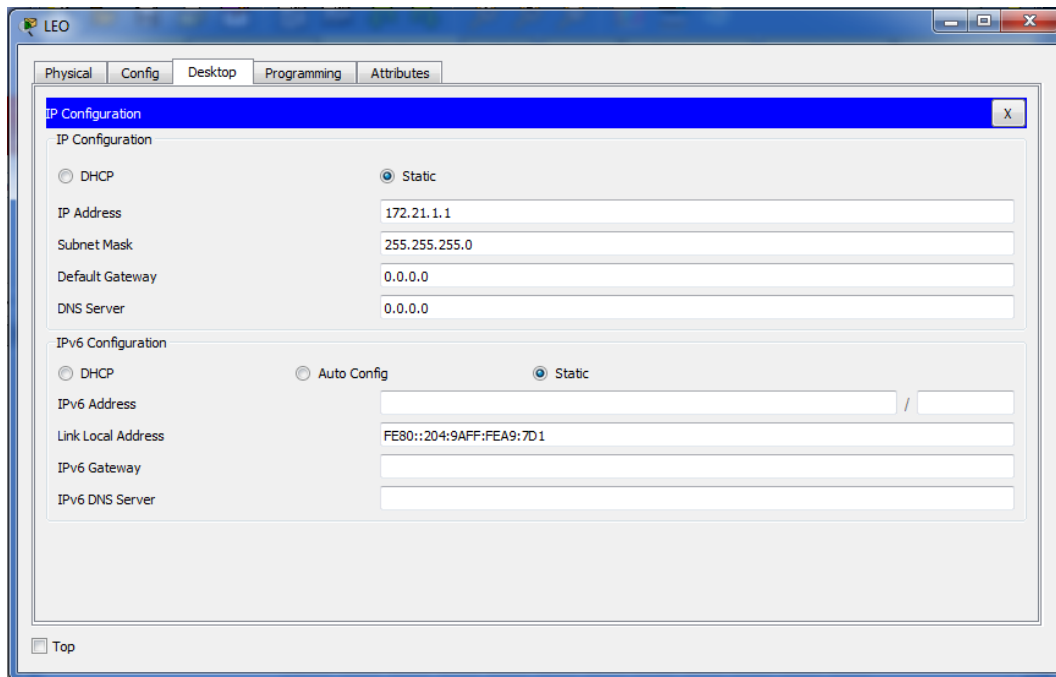


2. Memberi nama masing-masing switch dengan SW1, SW2 dan SW3



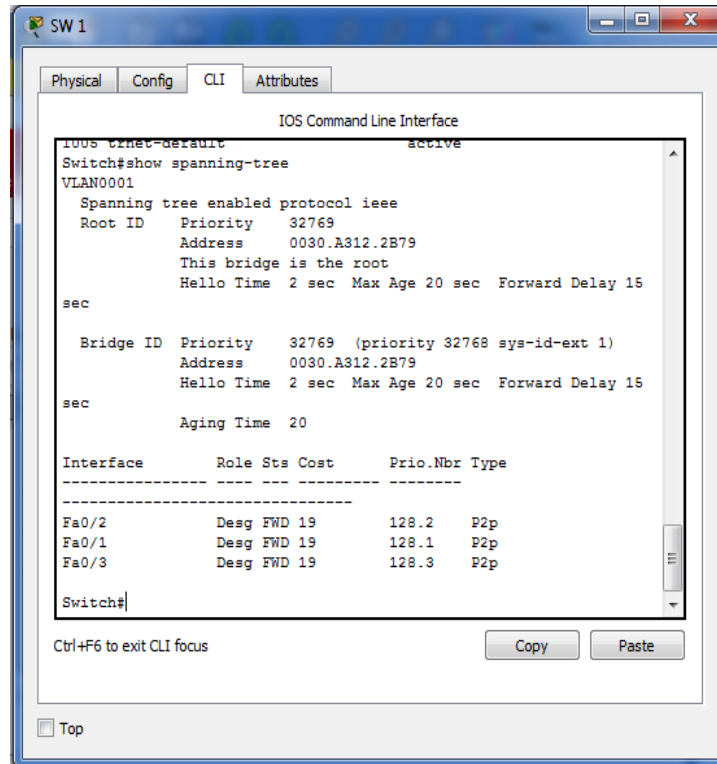
3. Mengambil 3 PC dimana setiap Pc diberi nama dan alamat IP sebagai berikut

Nama Pc	Ip Address
Leo	172.21.1.1/24
Aries	172.21.1.2/24
Virgo	172.21.1.3/24



4. Pada mode user atau privileged, lihat status STP pada masing-masing Switch.

Switch 1



SW 1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.A312.2B79
             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     0030.A312.2B79
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

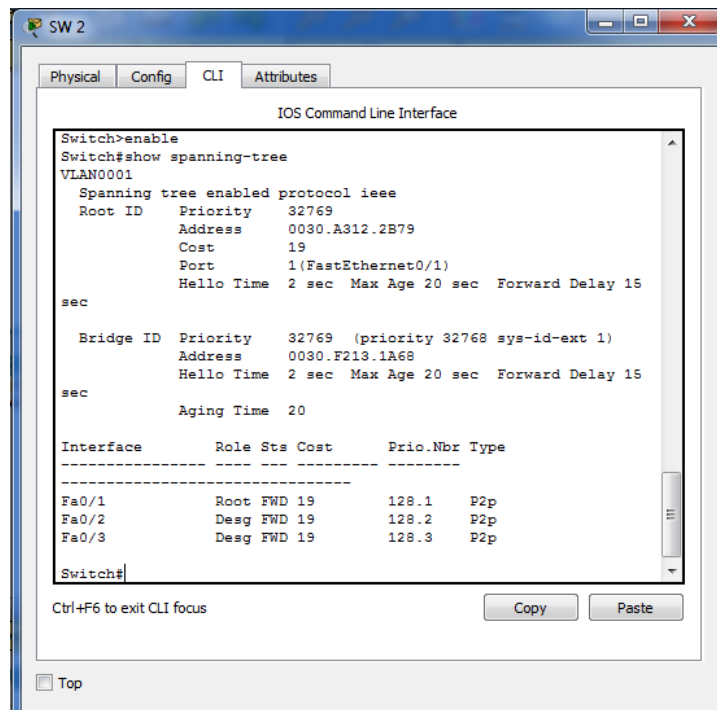
Switch#
```

Ctrl+F6 to exit CLI focus

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Switch 2



SW 2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.A312.2B79
             Cost         19
             Port         1(FastEthernet0/1)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Bridge ID   Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0030.F213.1A68
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

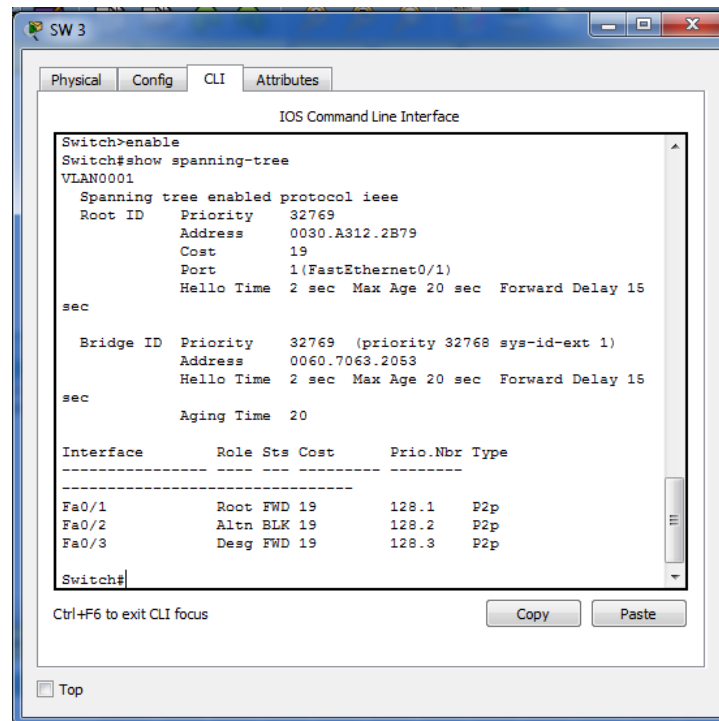
Switch#
```

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Switch 3



5. Dari PC Leo lakukan ping ke PC Virgo

```
C:\>ping 172.21.1.3

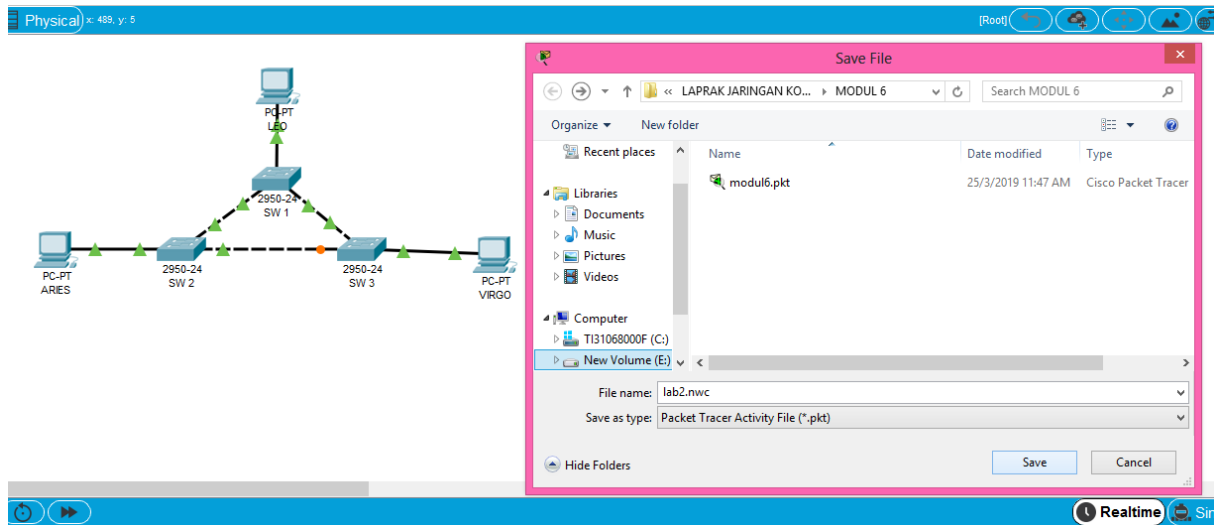
Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=11ms 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 = 1ms, Maximum = 11ms, Average = 3ms

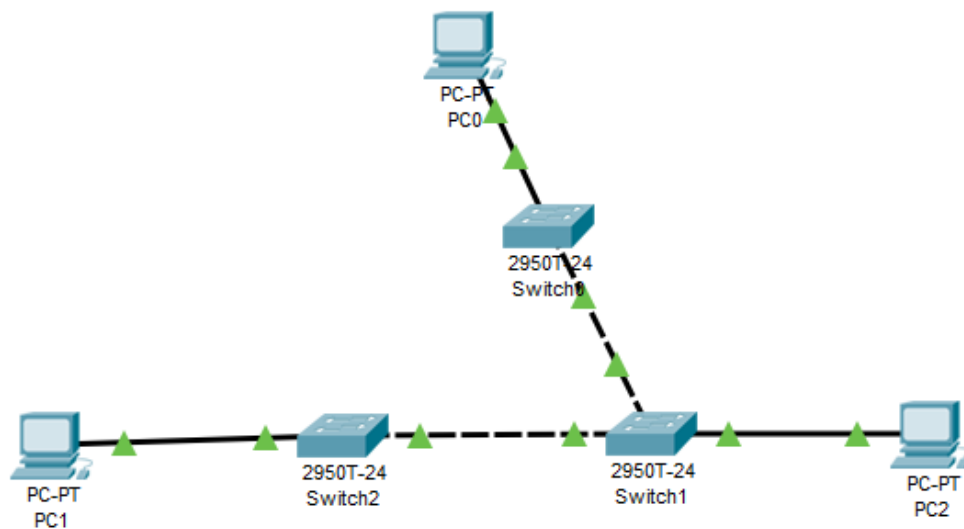
C:\>
```

6. Menyimpan konfigurasi jaringan dengan nama lab2.nwc



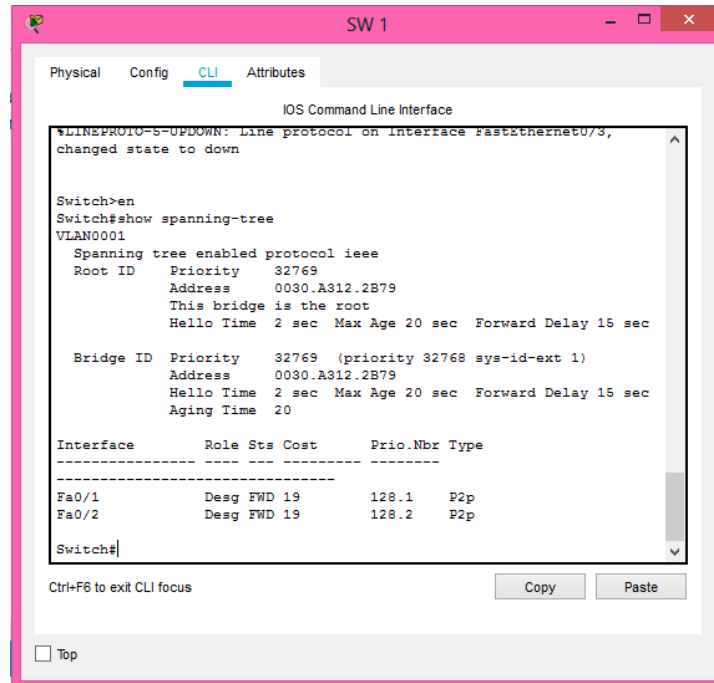
Kegiatan 2

1. Merubah topologi menggunakan packet tracer seperti gambar di bawah ini :



- Menyimpan topologi yang telah dibuat dan buka kembali dengan menggunakan packet tracer.

Switch 1



SW 1

Physical Config CLI Attributes

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3,
changed state to down

Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0030.A312.2B79
            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    0030.A312.2B79
            Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
            Aging Time 20

Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/1        Desg FWD 19       128.1    P2p
Fa0/2        Desg FWD 19       128.2    P2p

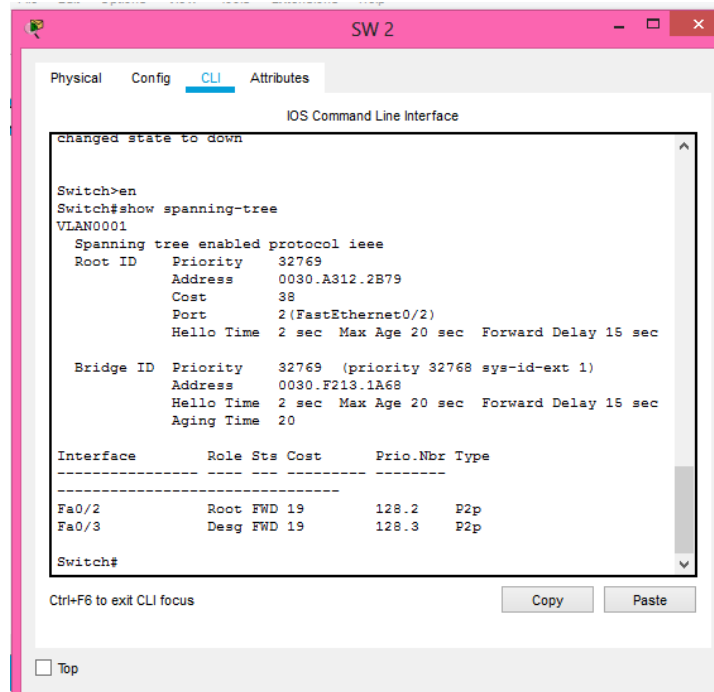
Switch#
```

Ctrl+F6 to exit CLI focus

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Switch 2



SW 2

Physical Config CLI Attributes

IOS Command Line Interface

```
changed state to down

Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address    0030.A312.2B79
            Cost        38
            Port        2 (FastEthernet0/2)
            Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address    0030.F213.1A68
            Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
            Aging Time 20

Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/2        Root FWD 19       128.2    P2p
Fa0/3        Desg FWD 19       128.3    P2p

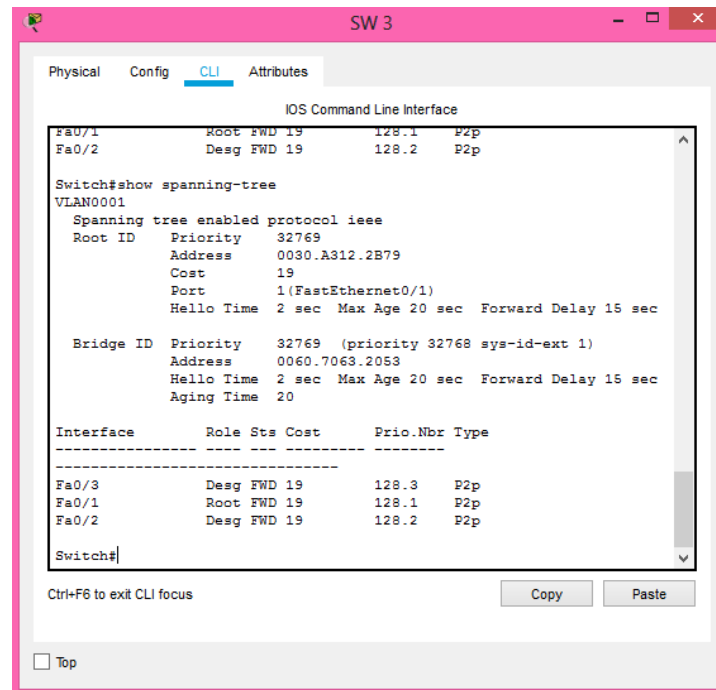
Switch#
```

Ctrl+F6 to exit CLI focus

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Switch 3



2. Melakukan ping dari PC Leo ke PC Virgo

