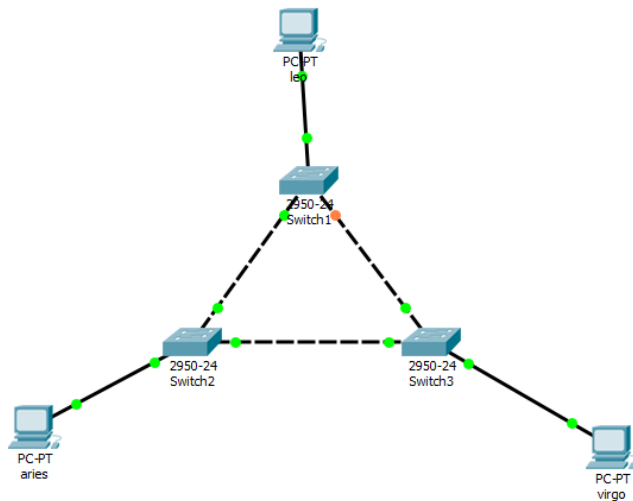NAMA : NOVI TRISTANTI

NIM   : L200170167
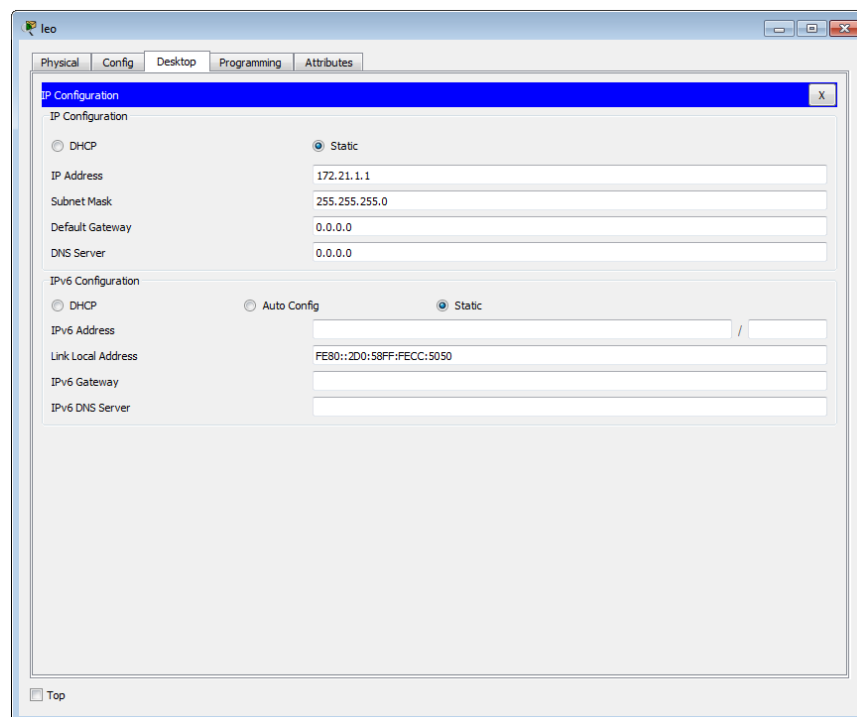
KELAS : D

1. topologi

2. konfigurasi masing-masing pc dengan alamat ip
   a. LEO = 172.21.1.1

b. ARIES = 172.21.1.2

c. VIRGO = 172.21.1.3

3. Pada mode user atau mode privileged, lihat status stp pada masing-masing switch. Langkah pengoperasian:
    -   Tekan enter
    -   Masuk pada mode privileged
    -   Ketik show spanning-tree

```
Switch>enable
Switch#show vlsn brief
              ^
% Invalid input detected at '^' marker.

Switch#show vlan brief

VLAN Name                            Status    Ports
---- -------------------------------- ---------
--------------------------------
1    default                         active    Fa0/1, Fa0/2,
Fa0/3, Fa0/4
                                               Fa0/5, Fa0/6,
Fa0/7, Fa0/8
                                               Fa0/9, Fa0/10,
Fa0/11, Fa0/12
                                               Fa0/13, Fa0/14,
Fa0/15, Fa0/16
                                               Fa0/17, Fa0/18,
Fa0/19, Fa0/20
                                               Fa0/21, Fa0/22,
Fa0/23, Fa0/24
1002 fddi-default                    active
1003 token-ring-default              active
1004 fddinet-default                 active
1005 trnet-default                   active

Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0000.0C99.AEB7
             Cost        19
             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     00E0.F957.B589
             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            Root FWD 19        128.2    P2p
Fa0/3            Altn BLK 19        128.3    P2p
```
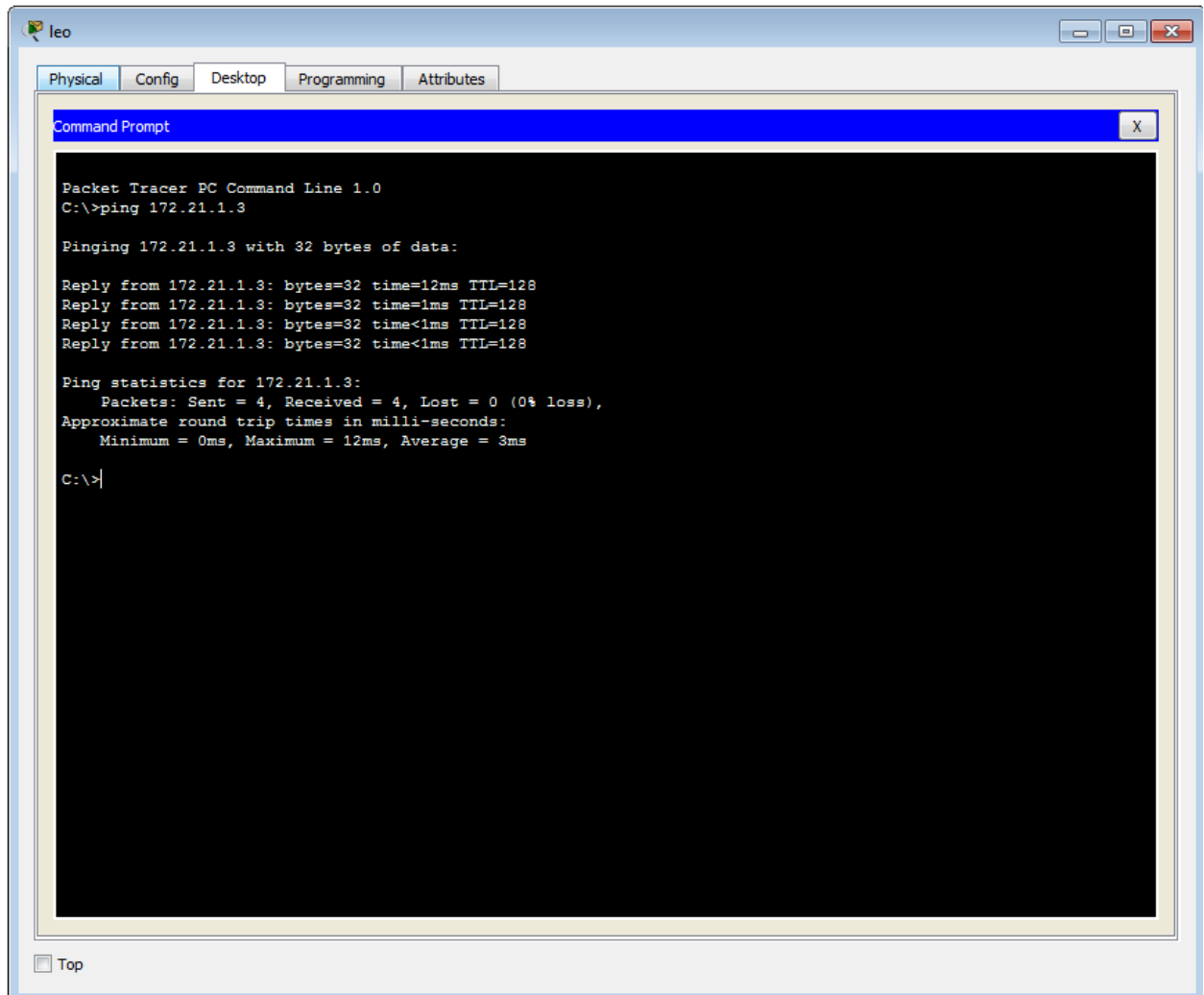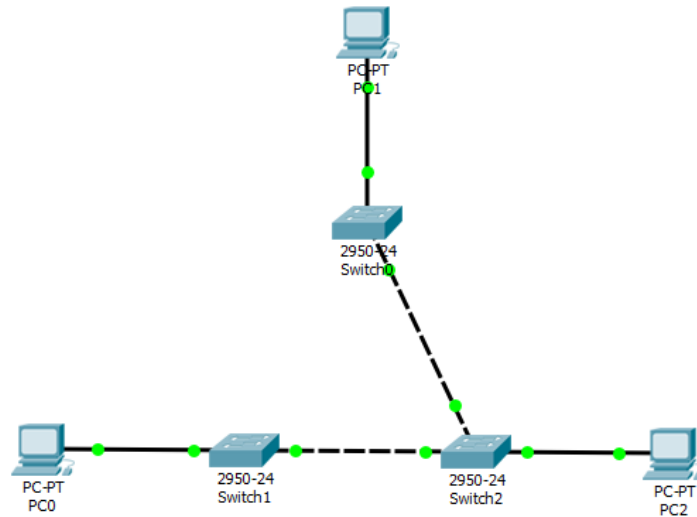
4. PC Leo lakukan ping ke PC Virgo


```
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=12ms 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 = 12ms, Average = 3ms

C:\>
```

KEGIATAN 2

1. Topologi

2. Switch 0

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EE.3343
             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     00E0.A3B8.6ECD
             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    P2p
Fa0/2             Root FWD 19         128.2    P2p
```

3. Switch 1

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EE.3343
             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.F2EE.3343
             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    P2p
Fa0/2            Desg FWD 19         128.2    P2p
```

4. Switch 2
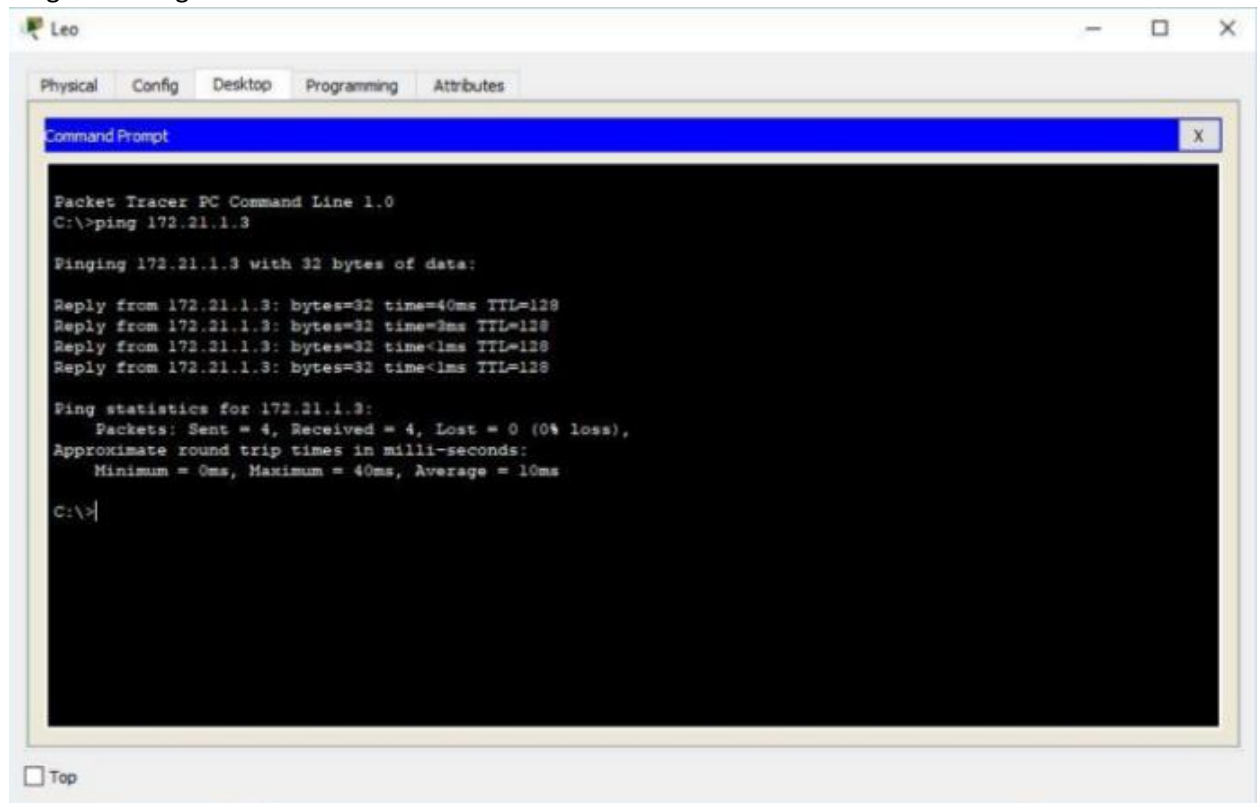
```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0030.F2EE.3343
             Cost        19
             Port        2(FastEthernet0/2)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     0060.3EA1.7E03
             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
Fa0/1            Desg FWD 19         128.1    P2p
```

5. Ping leo ke virgo