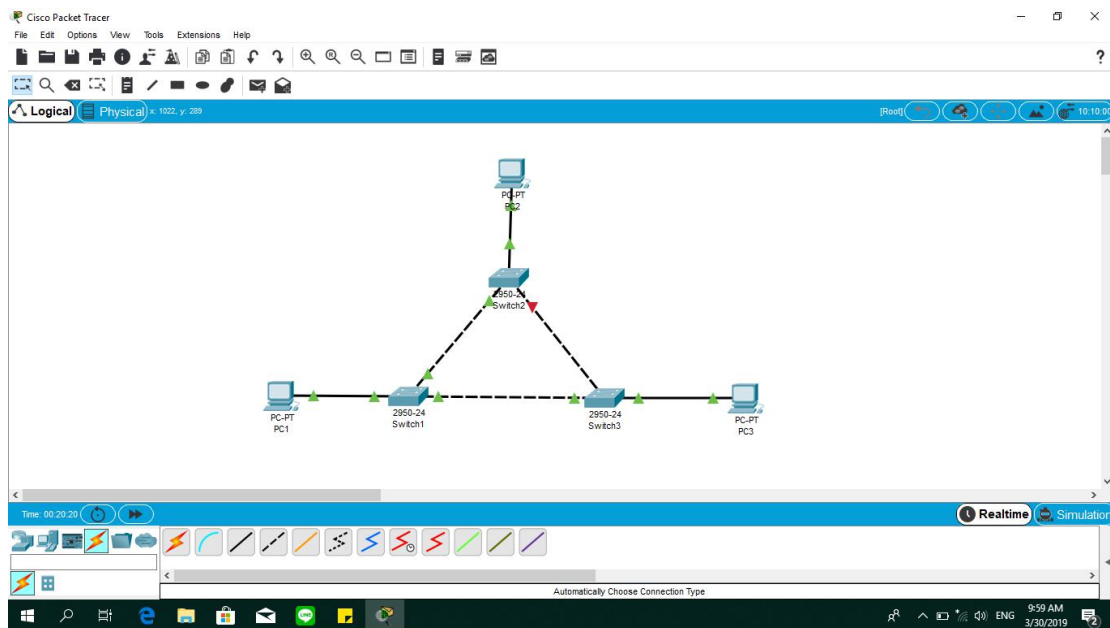


Laporan Praktikum Jaringan Komputer

Nama : Azzahra Salsabilla
NIM : L200170130
Kelas : C
Modul : 6 (Spanning Tree Protocol)

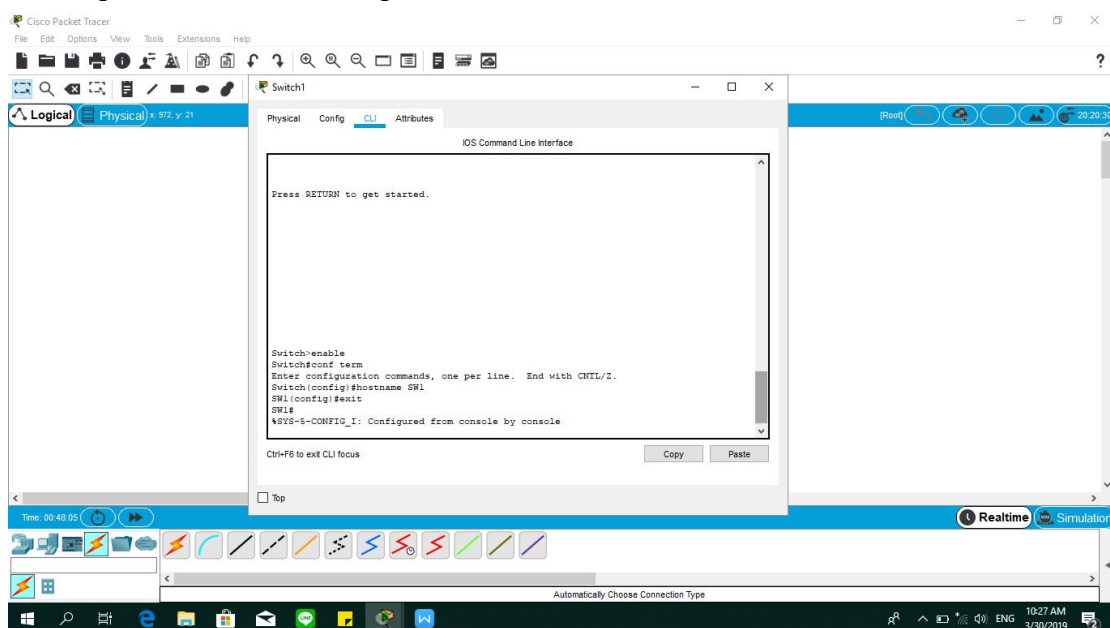
Kegiatan 1. Topologi 1.

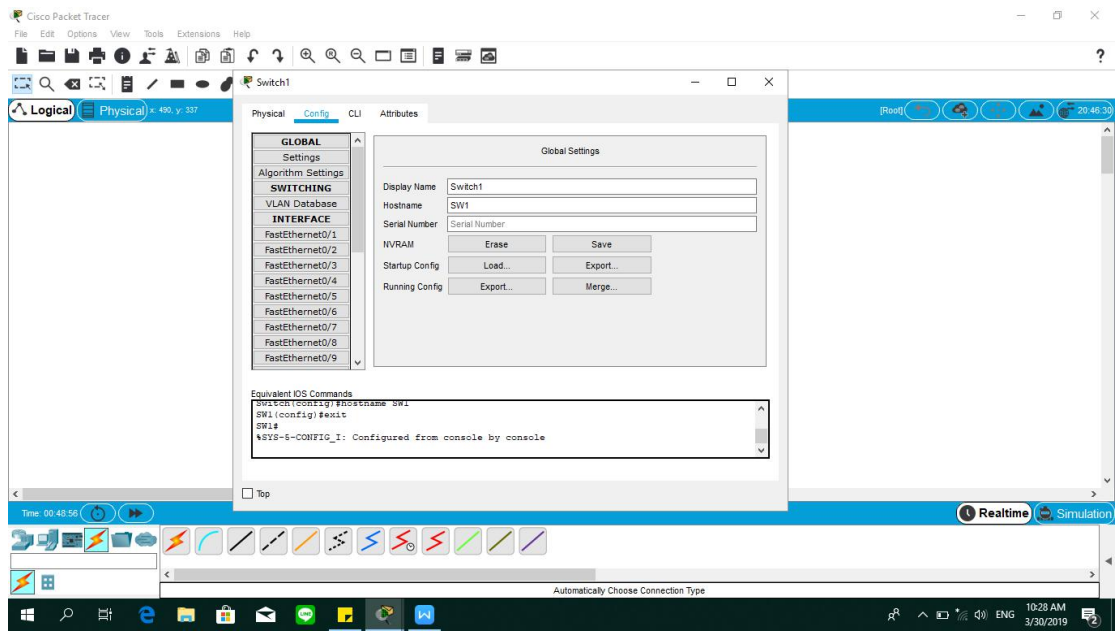
Tugas 1A.



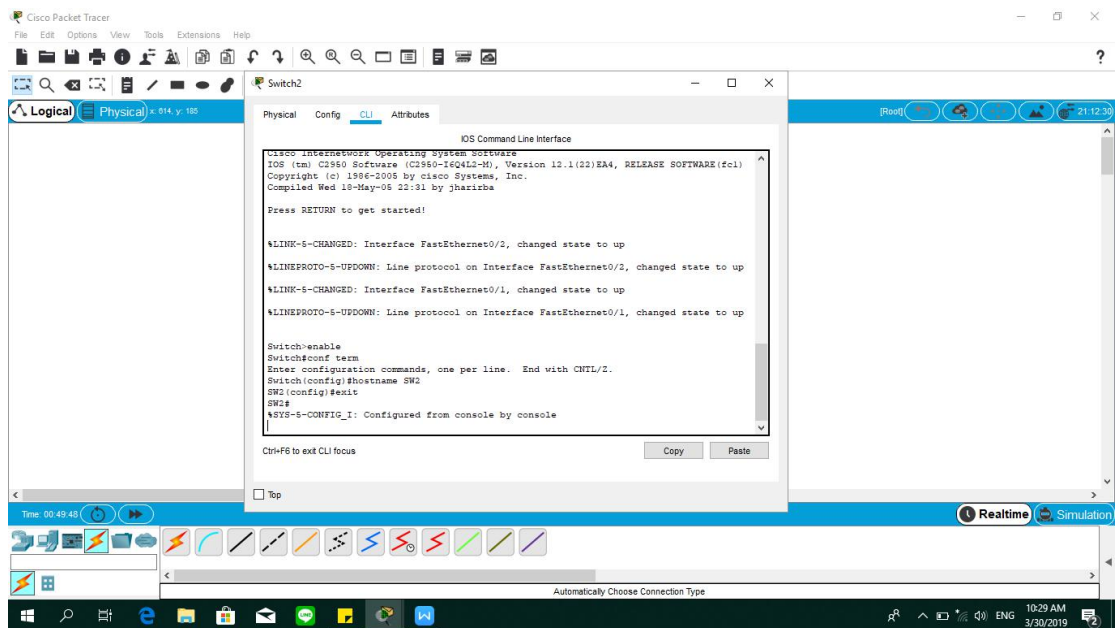
Tugas 2A.

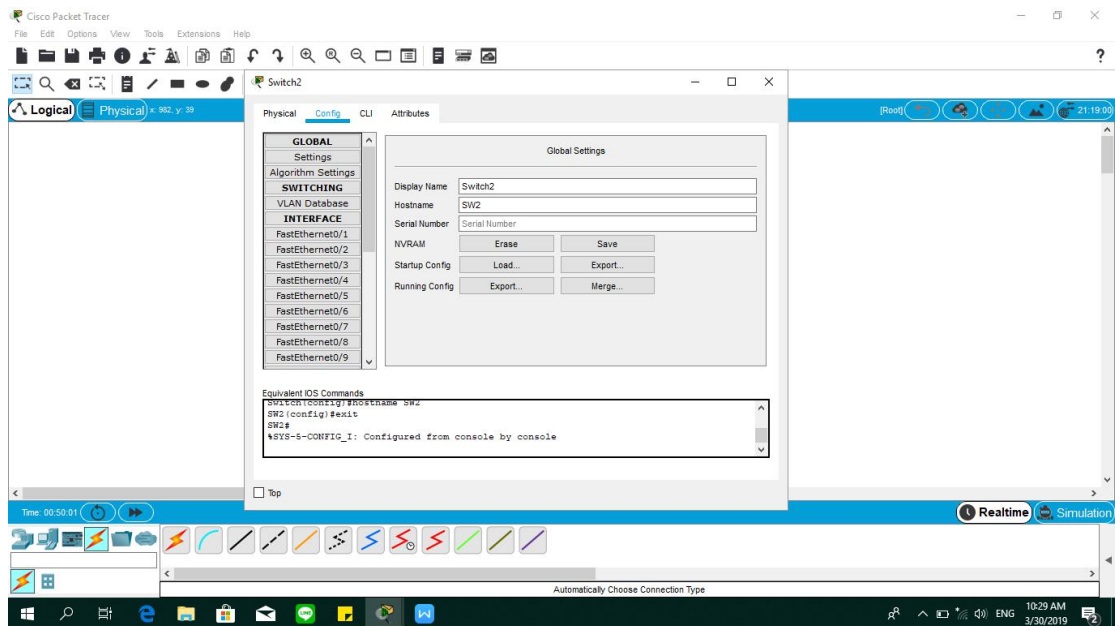
Proses pemberian nama host pada Switch1



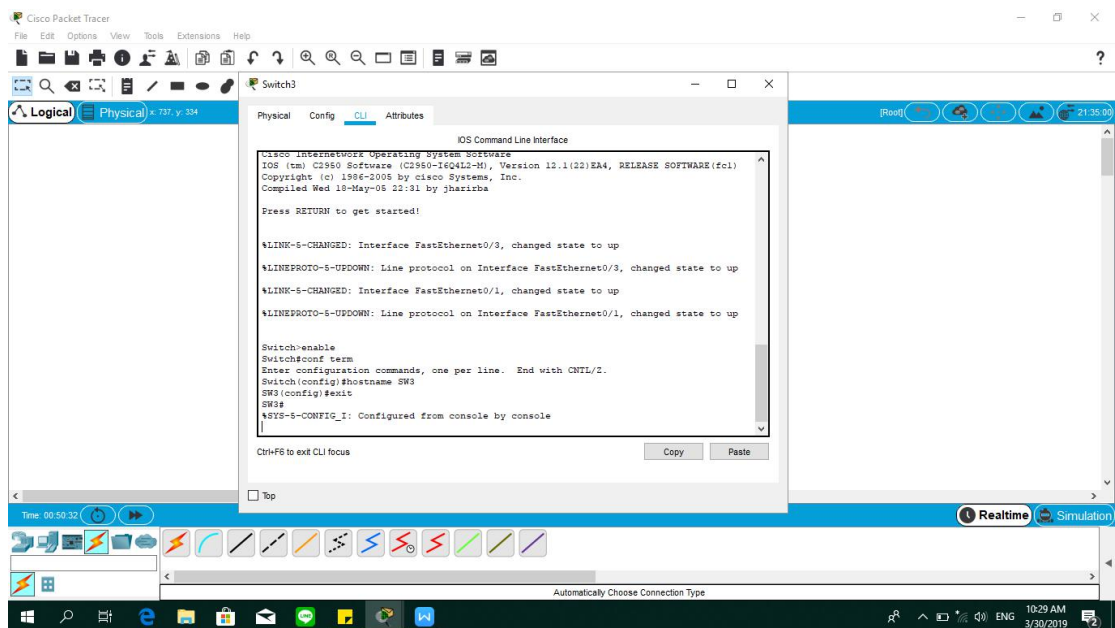


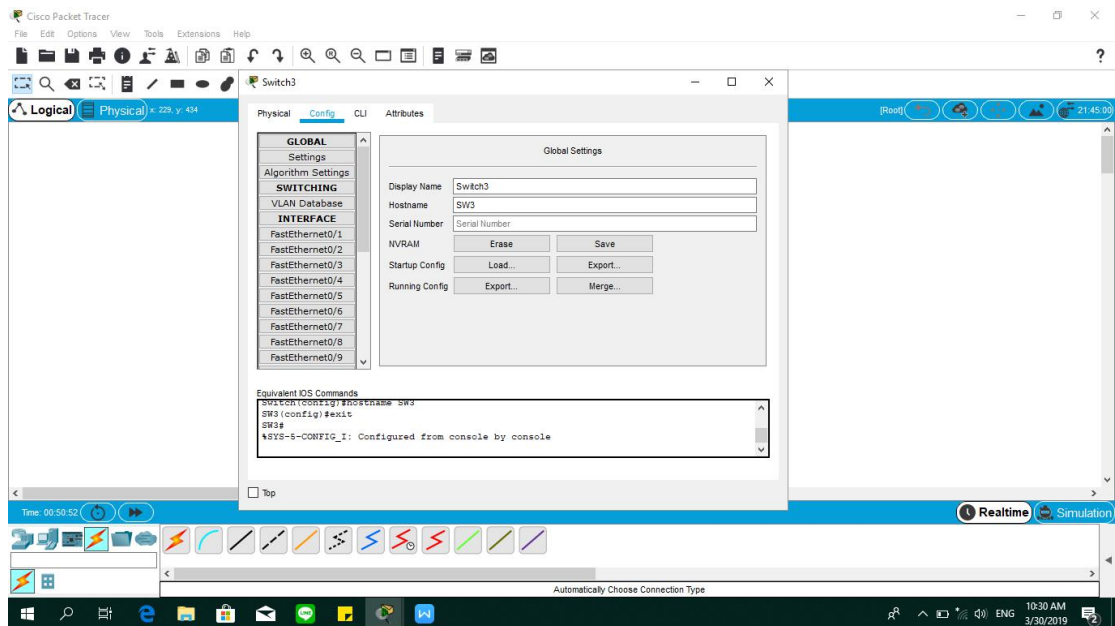
Proses pemberian nama host pada Switch2





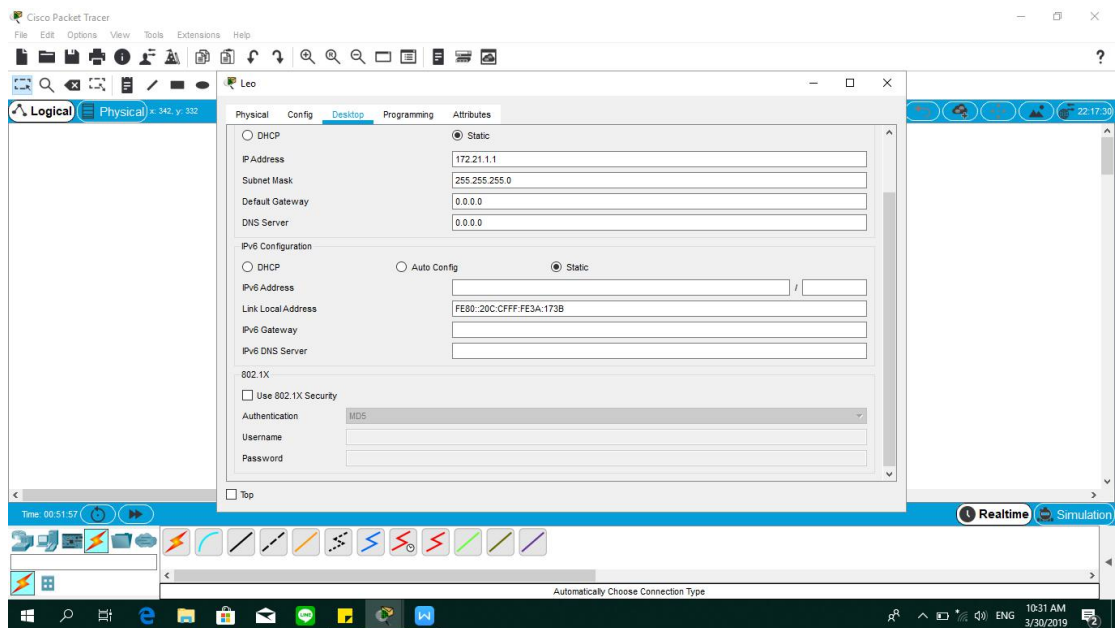
Proses pemberian nama host pada Switch3



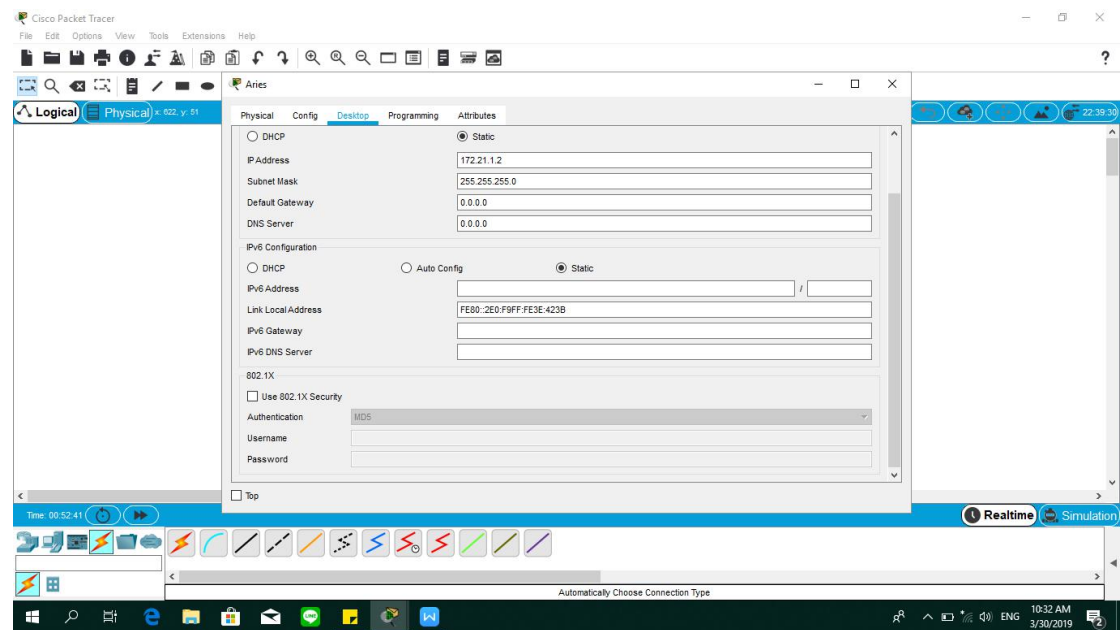


Tugas 3A.

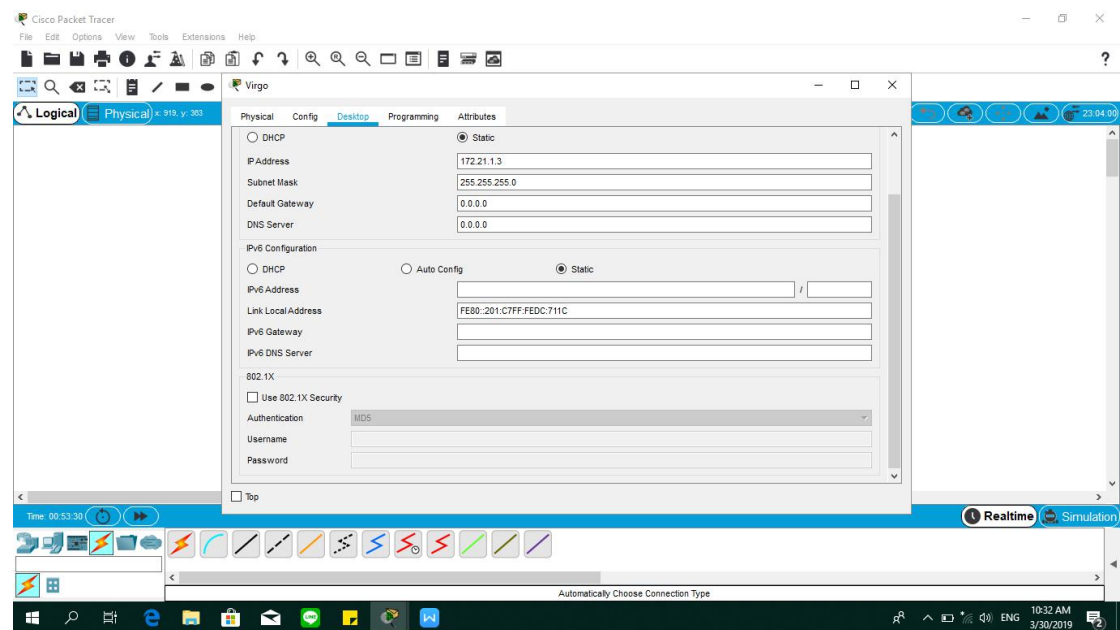
Konfigurasi IP Address pada PC Leo



Konfigurasi IP Address pada PC Aries

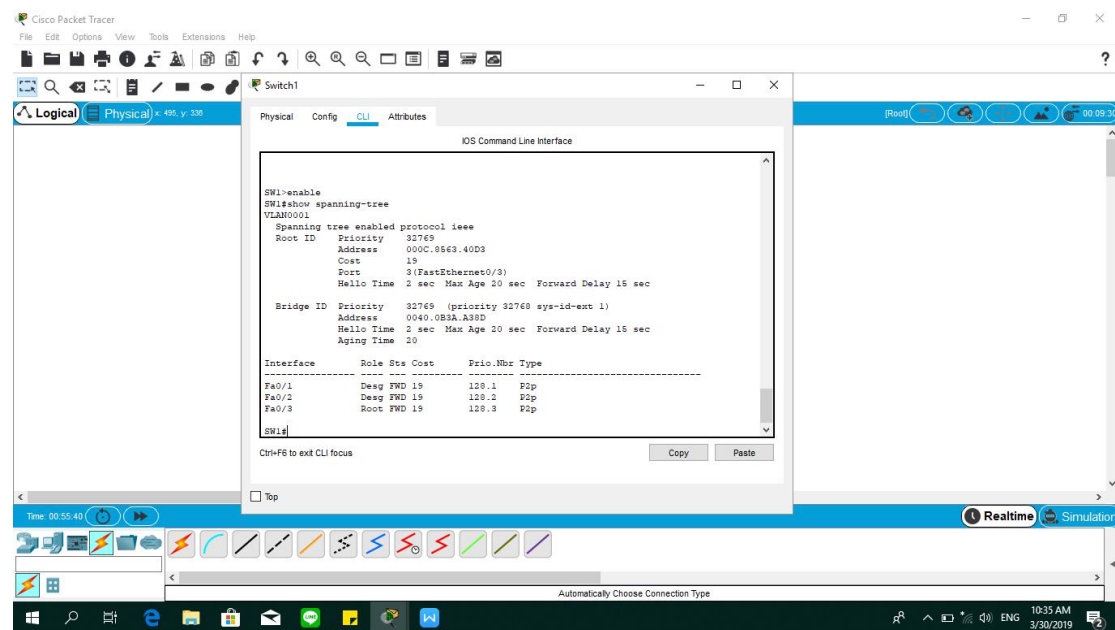


Konfigurasi IP Address pada PC Virgo



Tugas 4A.

Status STP pada Switch 1



Time: 00:55:40

Realtime Simulation

```
SW1>enable
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    000C.8563.40D3
              Cost        19
              Port        3 (FastEthernet0/3)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
              Address    0040.0B3A.A3D0
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time  20

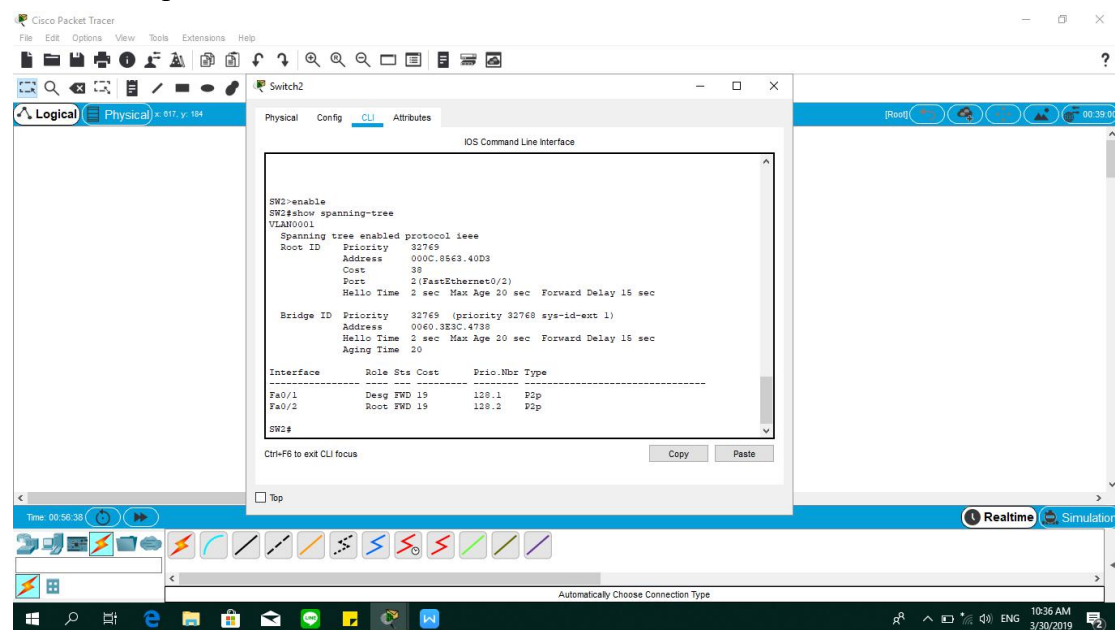
Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/1 Desg FWD 19 128.1 P2p
Fa0/2 Desg FWD 19 128.2 P2p
Fa0/3 Root FWD 19 128.3 P2p

SW1#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Status STP pada Switch 2



Time: 00:56:38

Realtime Simulation

```
SW2>enable
SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    000C.8563.40D3
              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    0040.3E3C.4738
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time  20

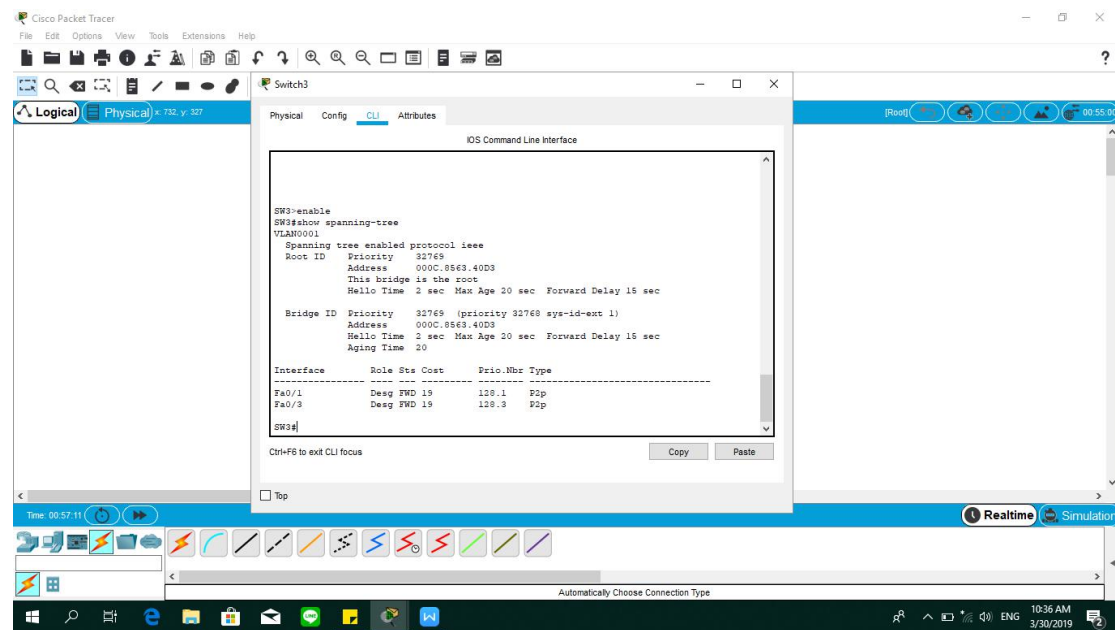
Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/1 Desg FWD 19 128.1 P2p
Fa0/2 Root FWD 19 128.2 P2p

SW2#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Status STP pada Switch 3



Tugas 4B.

Tabel Switch1

No	Variabel	Nilai
1	Root ID	32769.000C.8563.40D3
2	Priority	32769
3	MAC Address	0040.0B3A.A30D
4	Bridge ID	32769.0040.0B3A.A30D
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : 19 0/3 : 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Tabel Switch2

No	Variabel	Nilai
1	Root ID	32769.000C.8563.40D3
2	Priority	32769
3	MAC Address	0060.3E3C.4730
4	Bridge ID	32769.0060.3E3C.4730
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : 19 0/3 : -

6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Tabel Switch3

No	Variabel	Nilai
1	Root ID	32769.000C.8563.40D3
2	Priority	32769
3	MAC Address	000C.8563.40D3
4	Bridge ID	32769.000C.8563.40D3
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : - 0/3 : 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Tugas 4C.

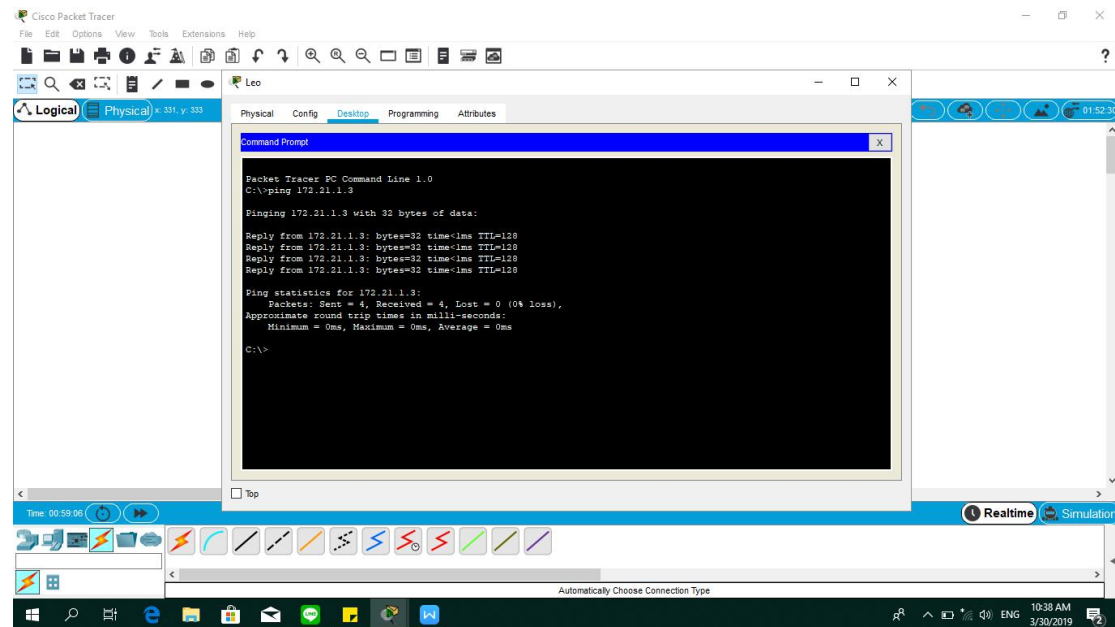
- Root Bridge : Switch3
- Designated Bridge : Switch2
- Root Port : Switch1 0/3 dan Switch2 0/3
- Designated Port : Switch 1 0/2

Tugas 4D.

- Keadaan Forwarding : Switch1 dan Switch2
- Keadaan Blocking : Switch 2

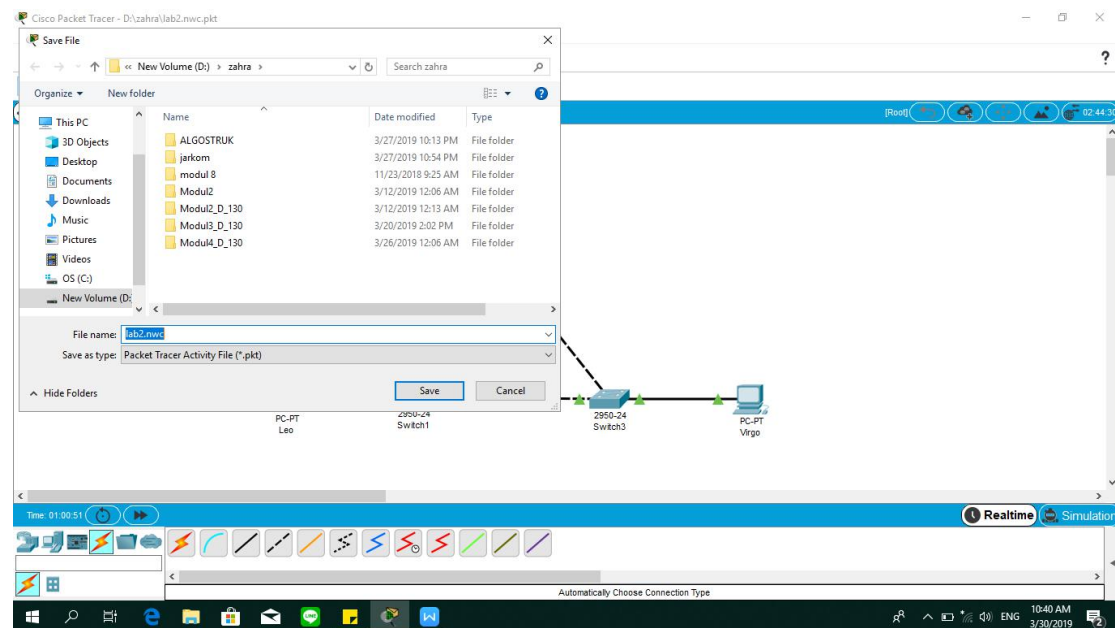
Tugas 5A.

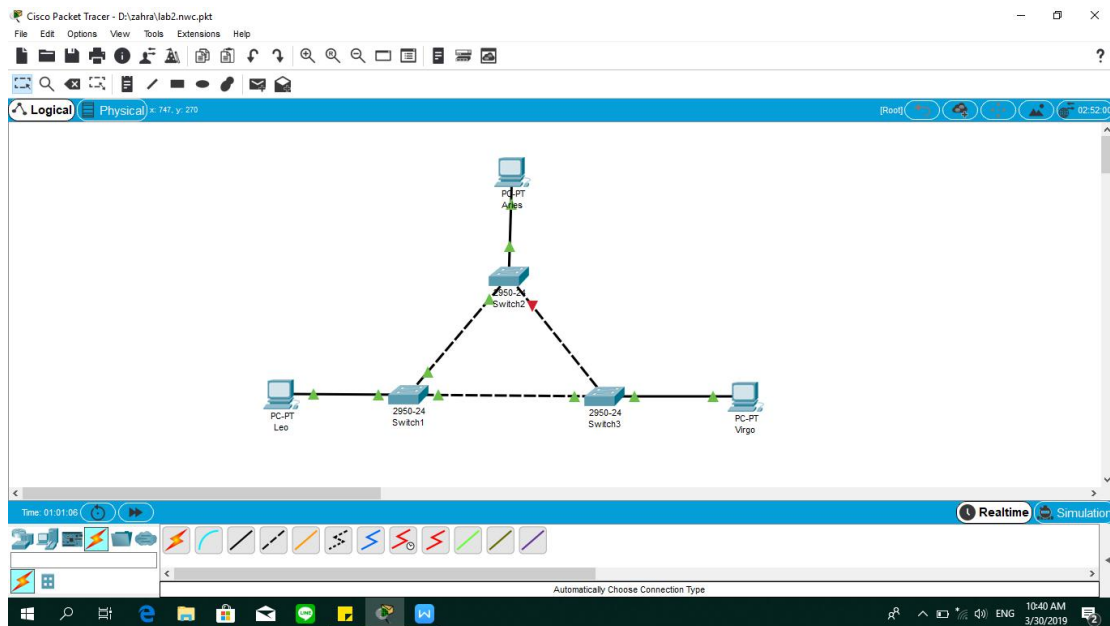
Proses *ping* dari PC Leo ke PC Virgo



Tugas 6A.

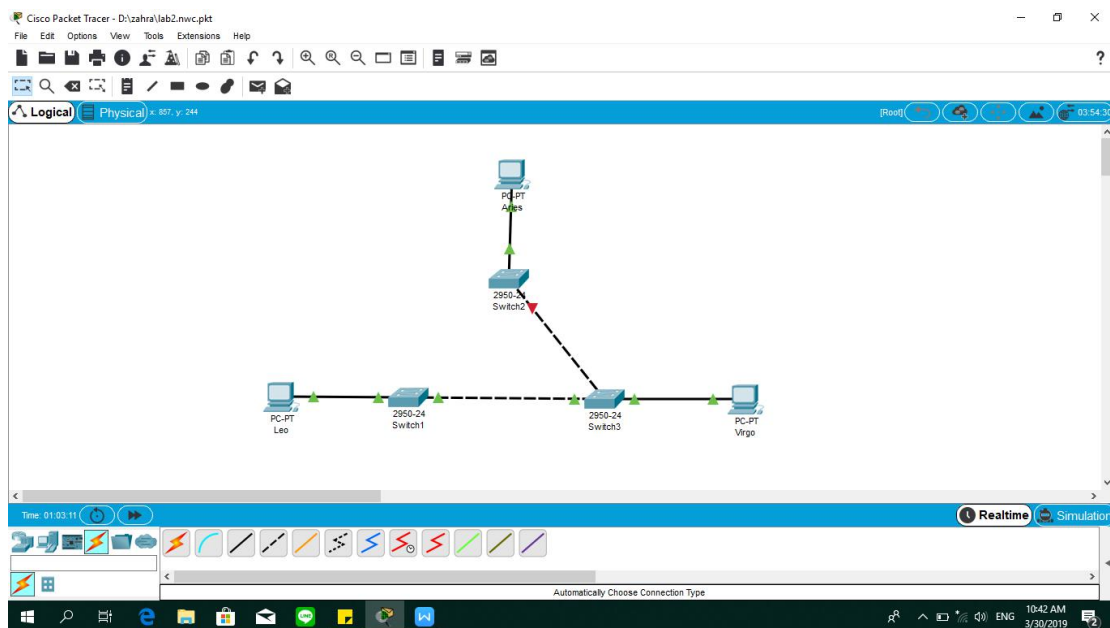
Proses simpan konfigurasi jaringan dengan nama 'lab2.nwc'





Kegiatan 2. Topologi 2.

Bentuk Topologi setelah diubah



Status STP pada Switch1

Time: 01:02:55

Realtime Simulation

```
SW1>enable
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    000C.8563.40D3
              Cost        19
              Port        3(FastEthernet0/3)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID  Priority    32769 (priority 32769 sys-id-ext 1)
              Address    0040.0B3A.A38D
              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
Fa0/3      Root FWD 19   128.3 P2p

SW1#
```

Ctrl-F6 to exit CLI focus

Copy Paste

Status STP pada Switch2

Time: 01:03:39

Realtime Simulation

```
SW2>enable
SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    0060.3E3C.4738
              Cost        19
              Port        1(FastEthernet0/1)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

    Bridge ID  Priority    32769 (priority 32769 sys-id-ext 1)
              Address    0060.3E3C.4738
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time  20

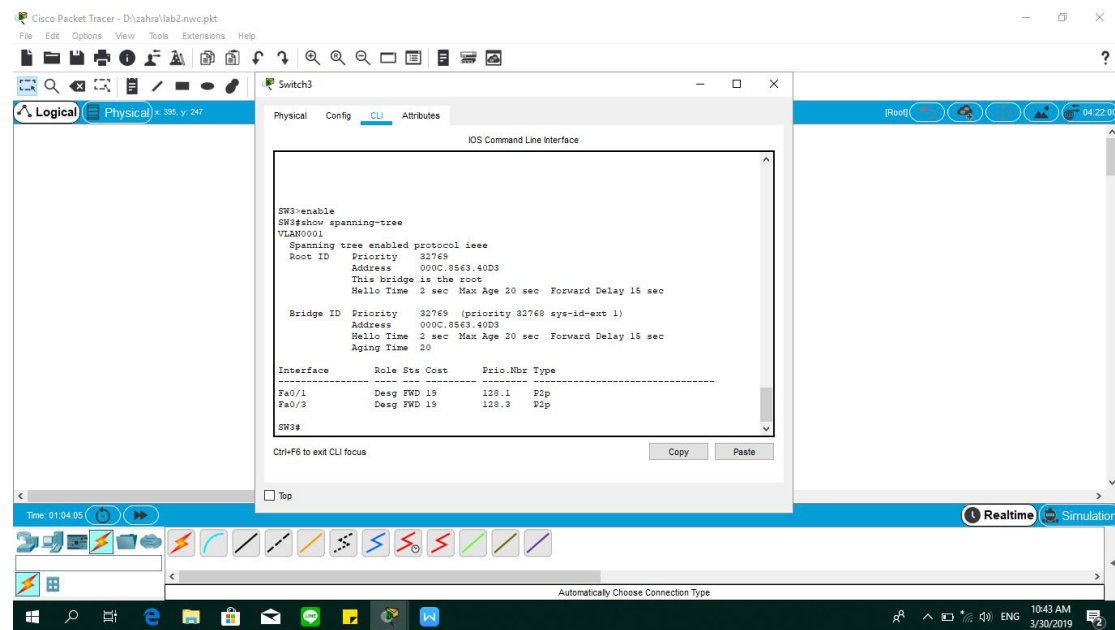
Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/1      Desg FWD 19   128.1 P2p

SW2#
```

Ctrl-F6 to exit CLI focus

Copy Paste

Status STP pada Switch3



Tabel Switch1

No	Variabel	Nilai
1	Root ID	32769.000C.8563.40D3
2	Priority	32769
3	MAC Address	0040.0B3A.A38D
4	Bridge ID	32769.0040.0B3A.A38D
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : - 0/3 : 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Tabel Switch2

No	Variabel	Nilai
1	Root ID	32769.0060.3E3C.4738
2	Priority	32769
3	MAC Address	0060.3E3C.4730
4	Bridge ID	32769.0060.3E3C.4730
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : - 0/3 : -

6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Tabel Switch3

No	Variabel	Nilai
1	Root ID	32769.000C.8563.40D3
2	Priority	32769
3	MAC Address	000C.8563.40D3
4	Bridge ID	32769.000C.8563.40D3
5	Cost (0/1, 0/2, 0/3)	0/1 : 19 0/2 : - 0/3 : 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

Proses *ping* dari PC Leo ke PC Virgo

