

# Laporan Praktikum Jaringan Komputer

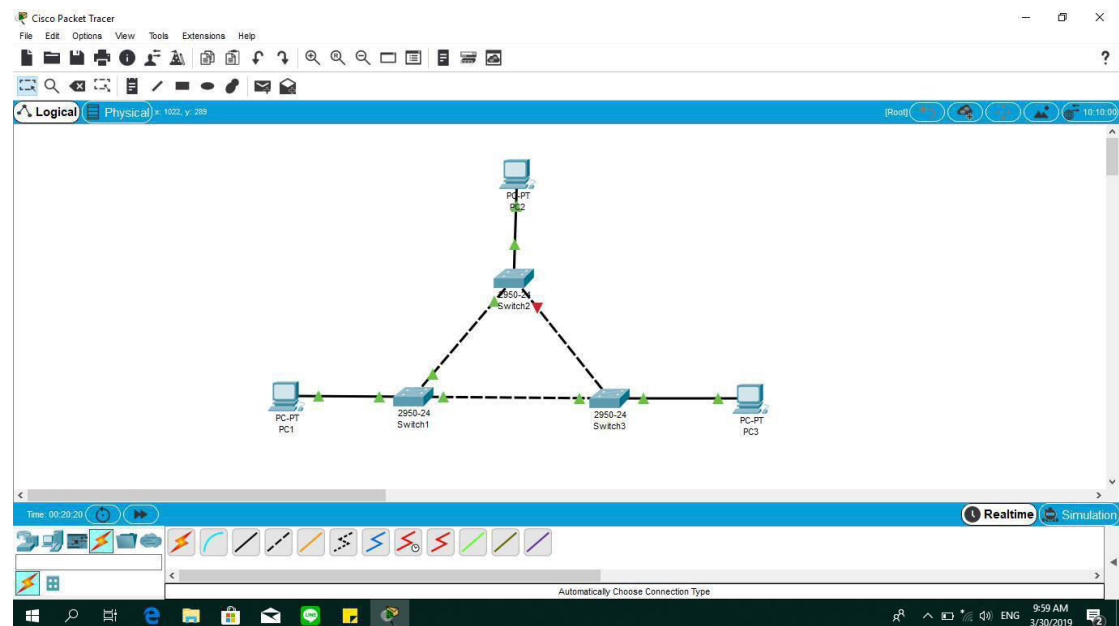
Nama : Fatich imam al arasy

NIM : L200170128

Kelas : C

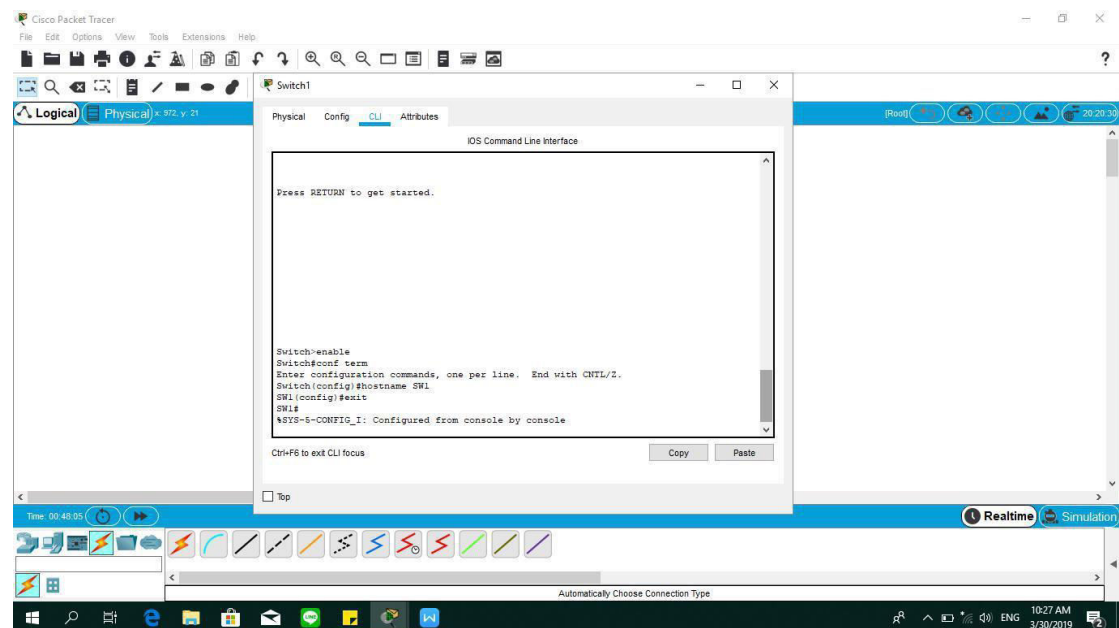
## Kegiatan 1. Topologi 1.

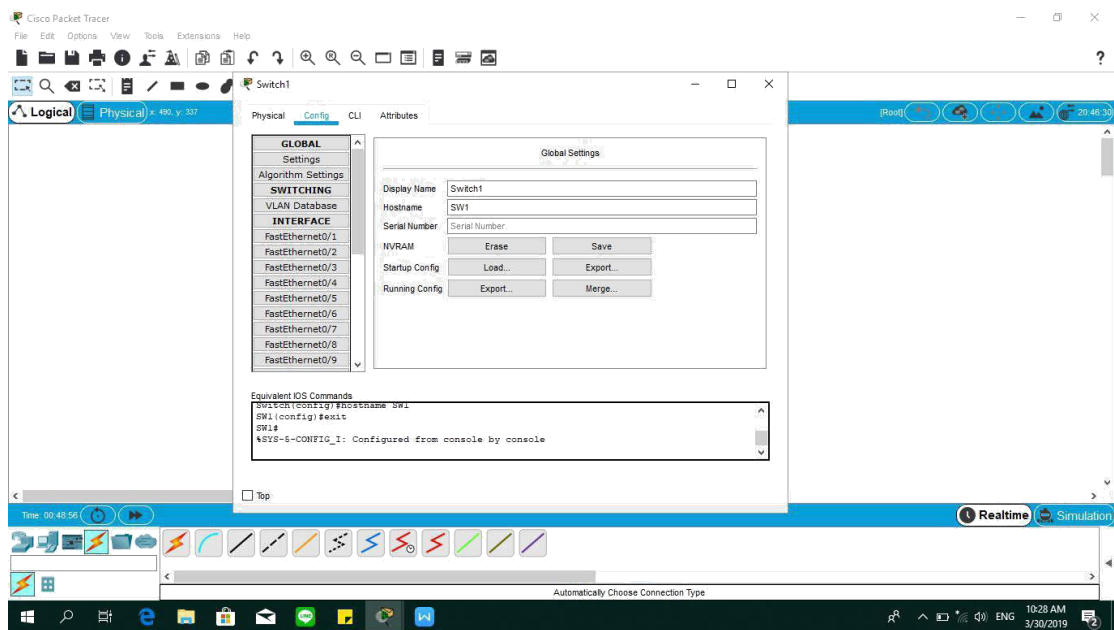
### Tugas 1A.



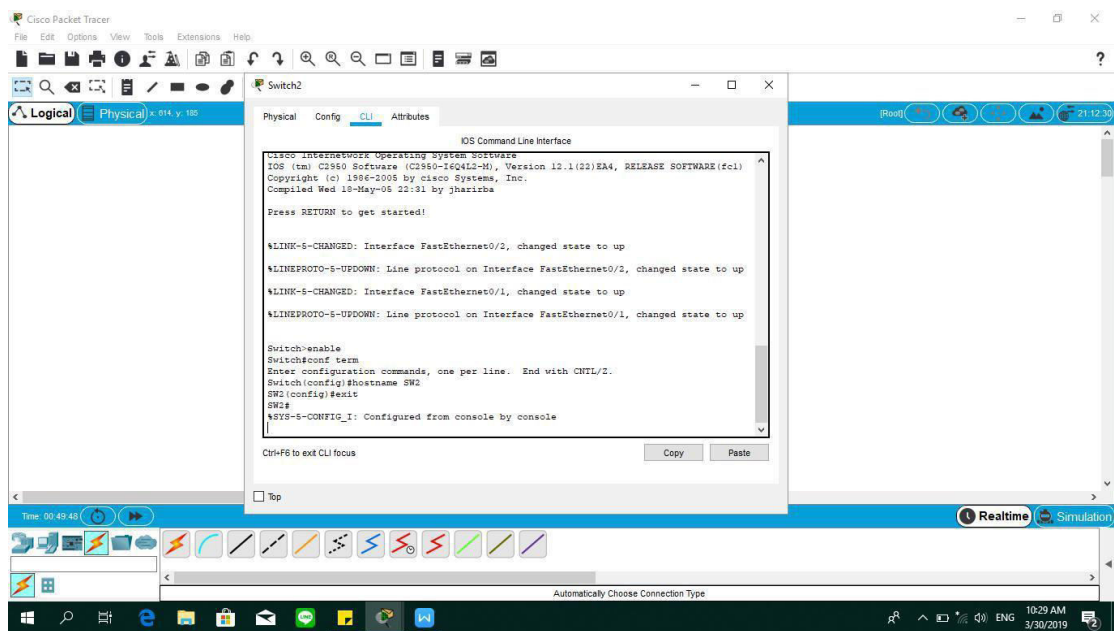
### Tugas 2A.

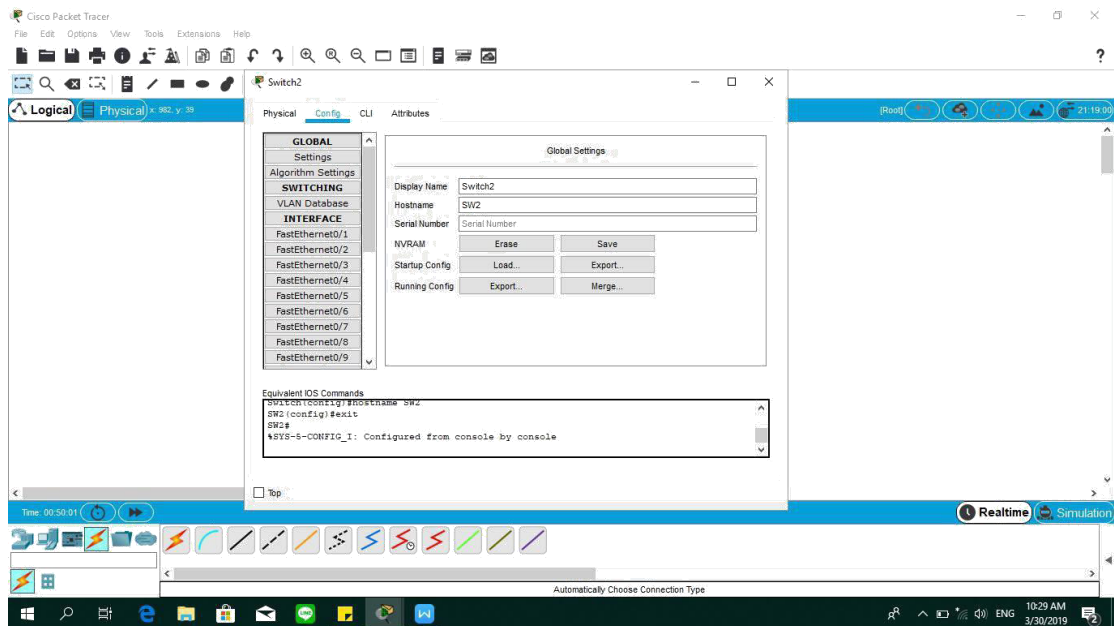
#### Proses pemberian nama host pada Switch1



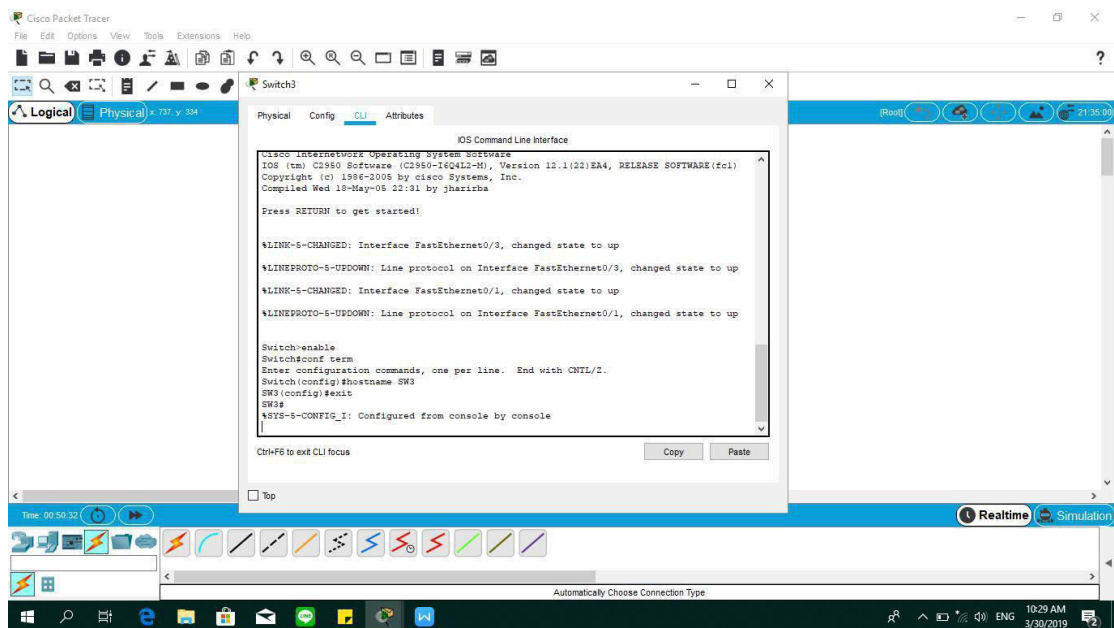


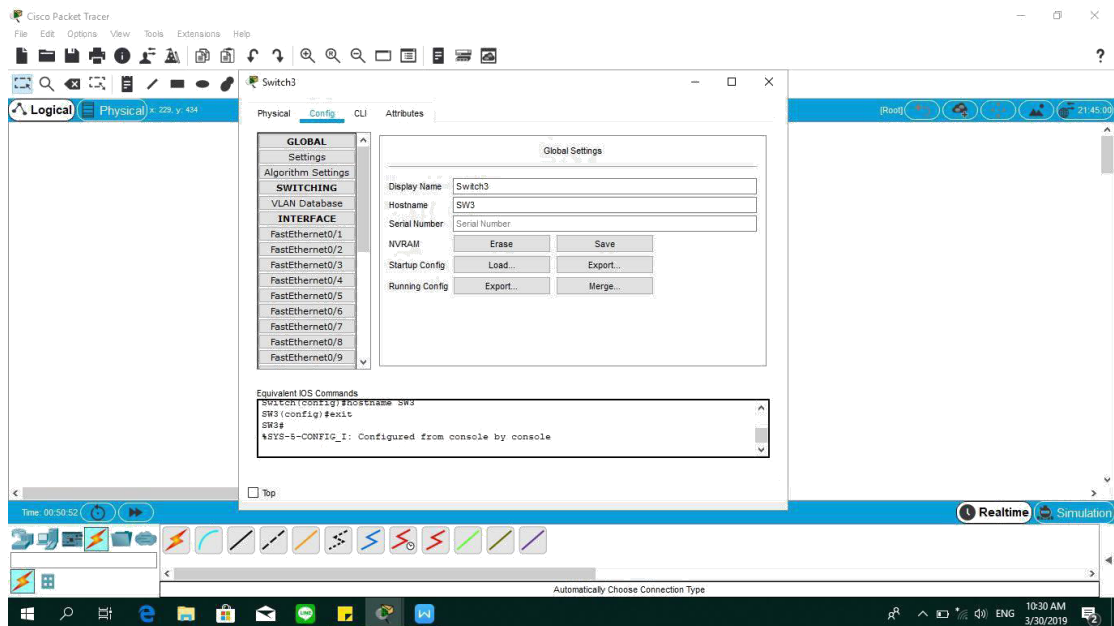
## Proses pemberian nama host pada Switch2





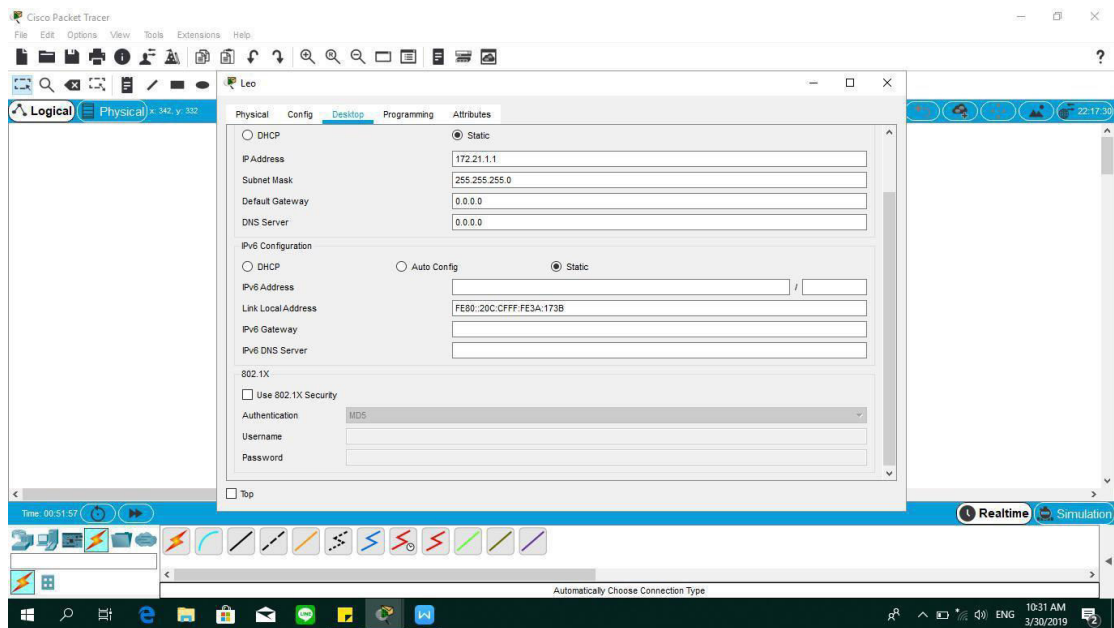
## Proses pemberian nama host pada Switch3



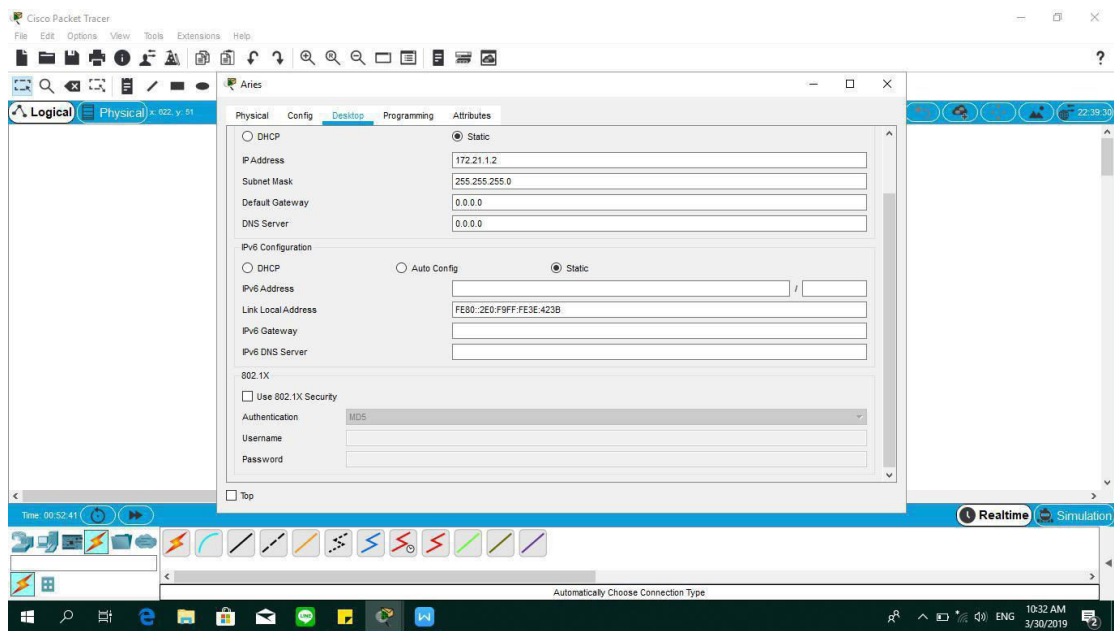


## Tugas 3A.

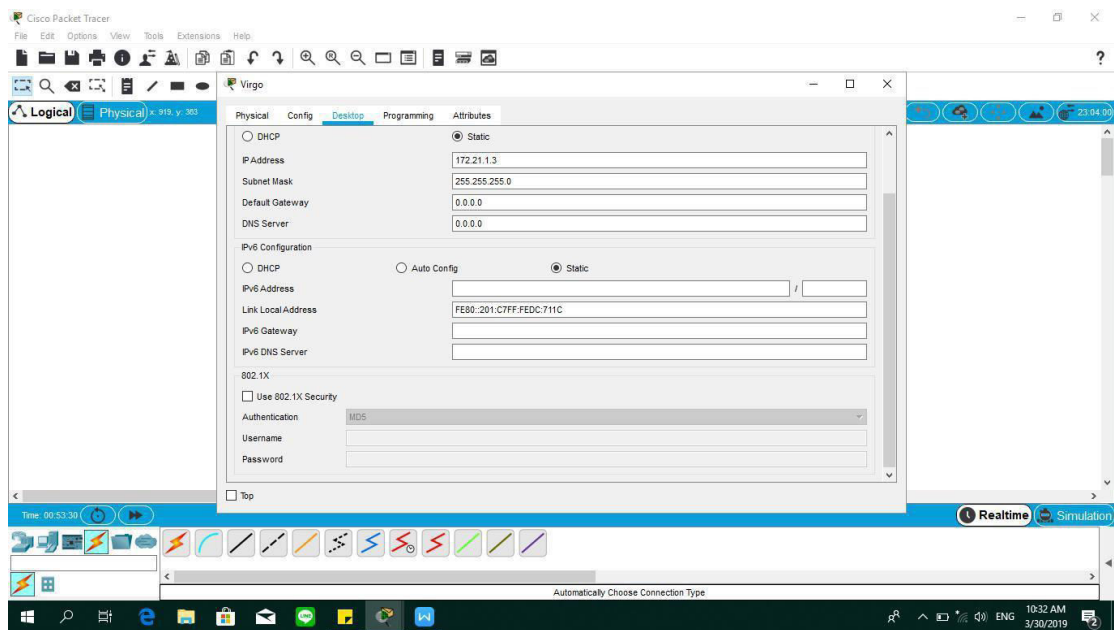
### Konfigurasi IP Address pada PC Leo



## Konfigurasi IP Address pada PC Aries

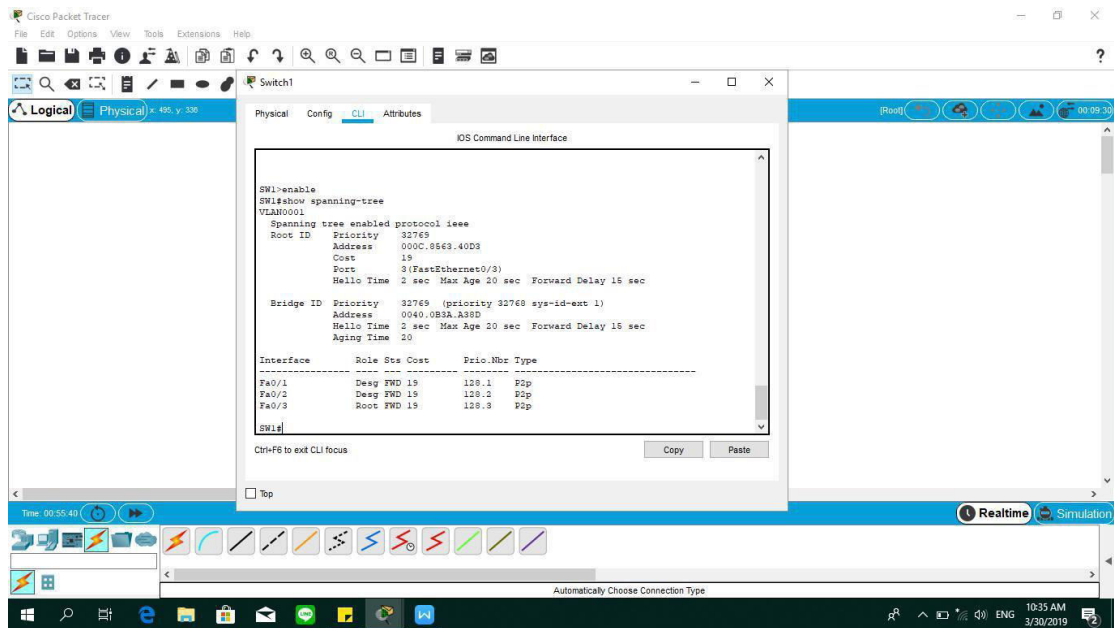


## Konfigurasi IP Address pada PC Virgo

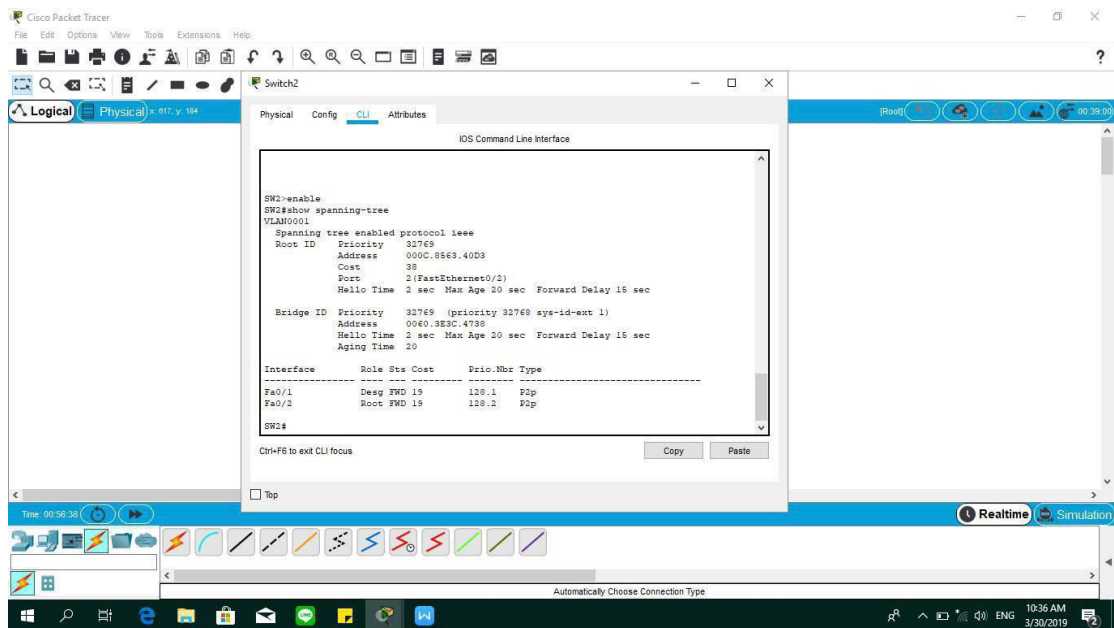


## Tugas 4A.

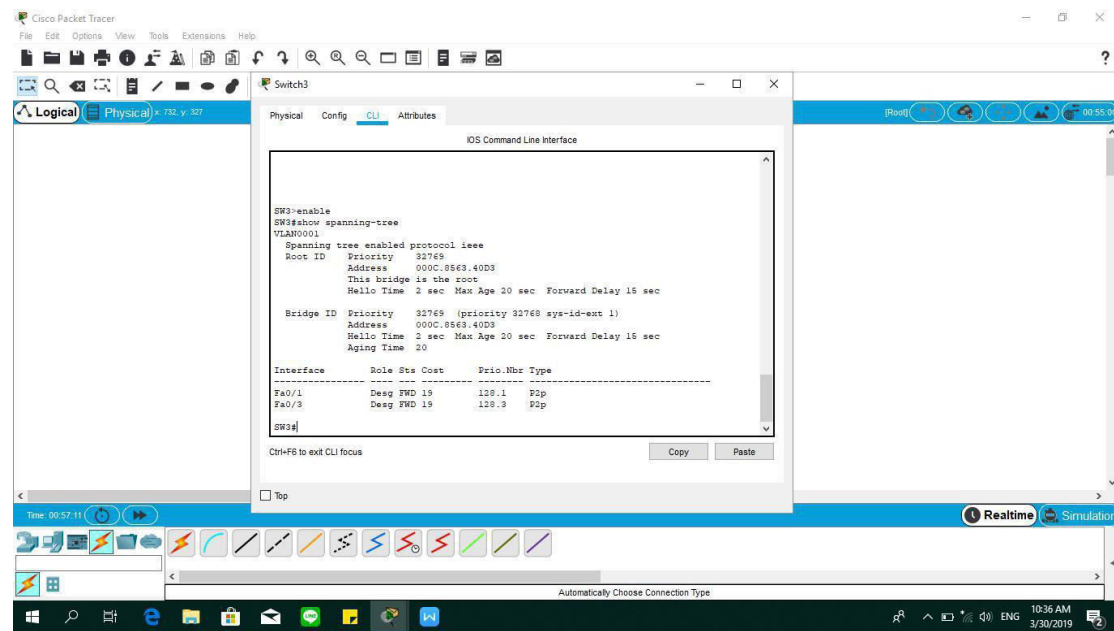
### Status STP pada Switch 1



### Status STP pada Switch 2



## 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

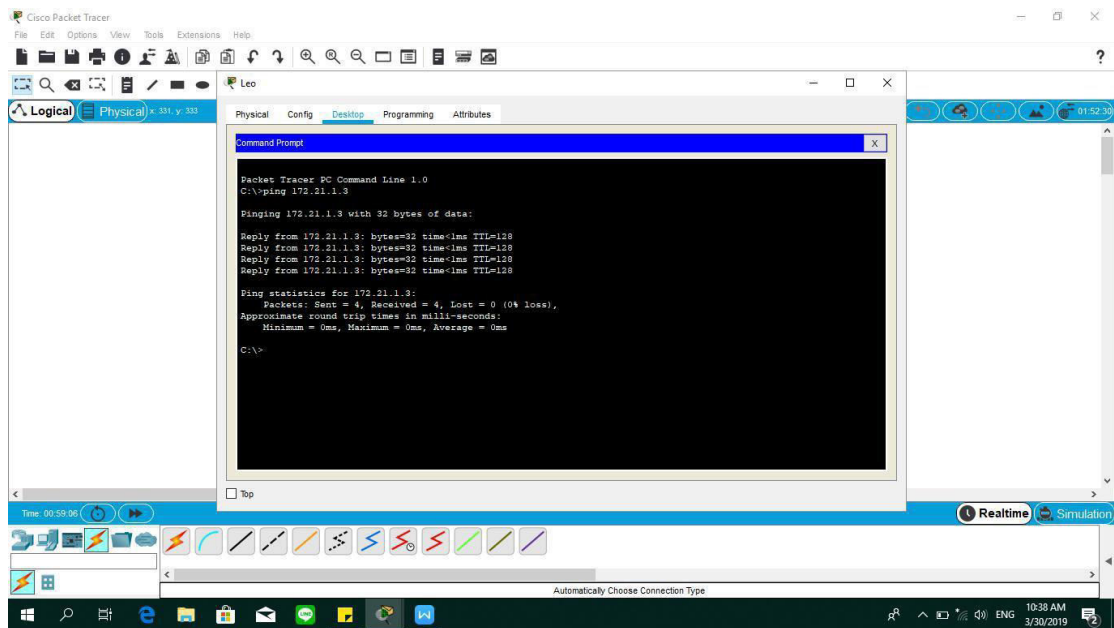
**Tugas 4D.**

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



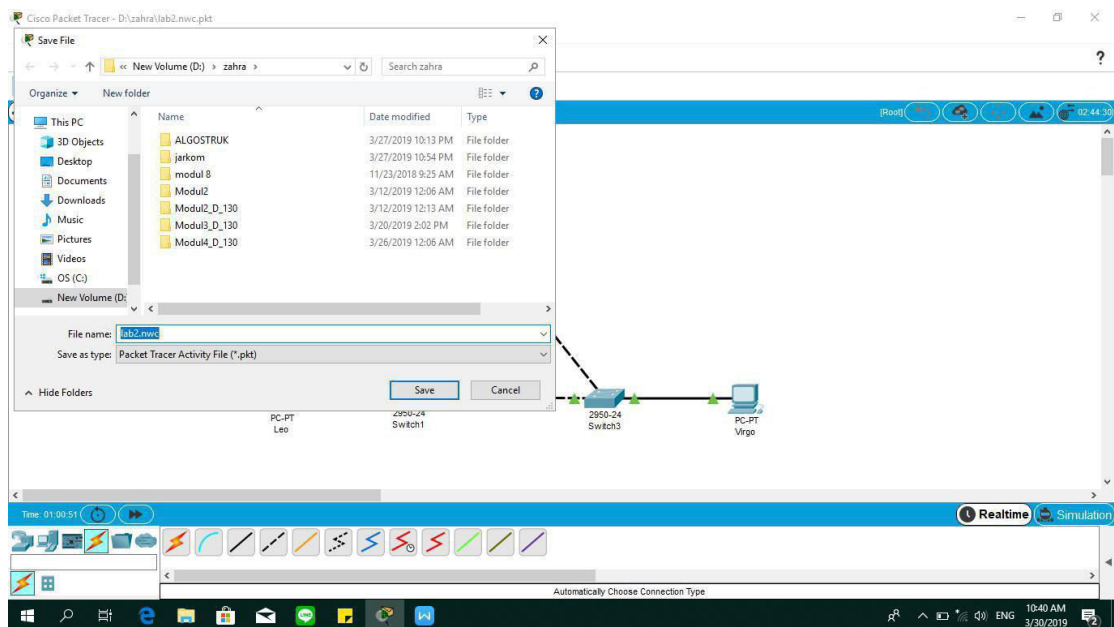
## Tugas 5A.

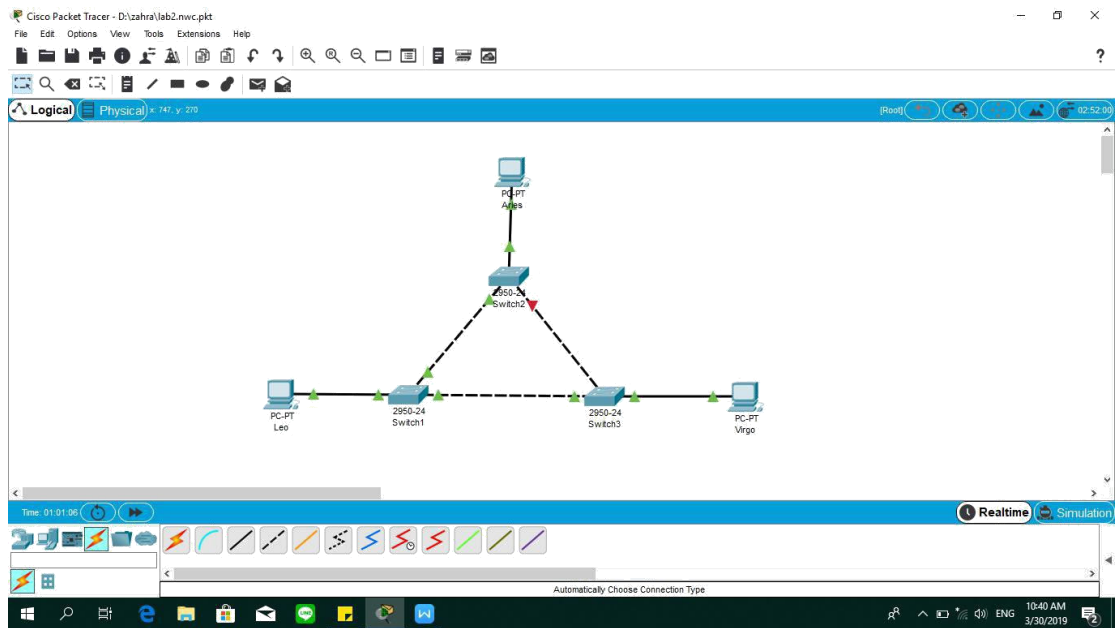
### Proses *ping* dari PC Leo ke PC Virgo



## Tugas 6A.

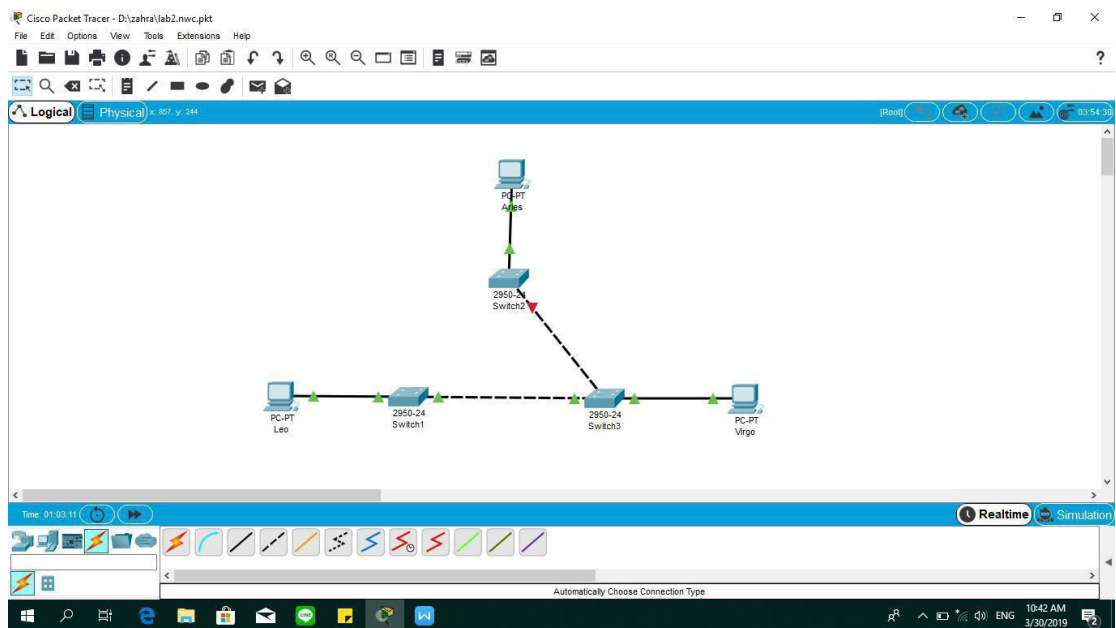
### Proses simpan konfigurasi jaringan dengan nama 'lab2.nwc'



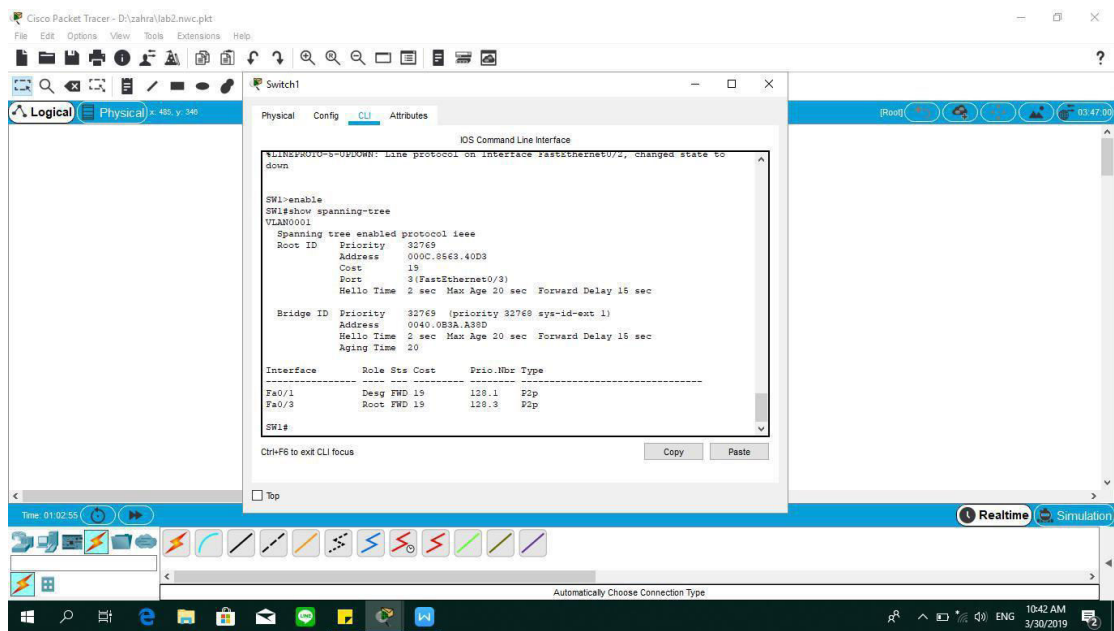


## Kegiatan 2. Topologi 2.

### Bentuk Topologi setelah diubah



## Status STP pada Switch1



Time: 01:02:55

Realtime Simulation

IOS Command Line Interface

```
SW1>enable
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     000C.85E3.40D3
             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.A3D0
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time  20

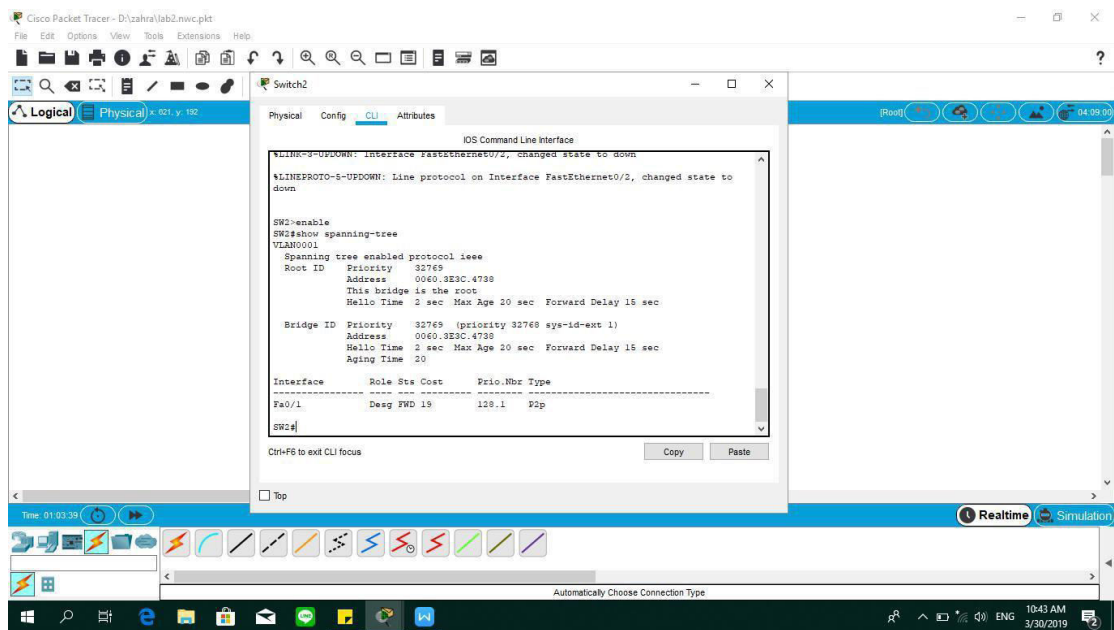
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/1        Desg FWD 19      128.1    P2p
Fa0/3        Root FWD 19      128.3    P2p

SW1#
```

Ctrl+F6 to exit CLI focus

Copy Paste

## Status STP pada Switch2



Time: 01:03:39

Realtime Simulation

IOS Command Line Interface

```
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

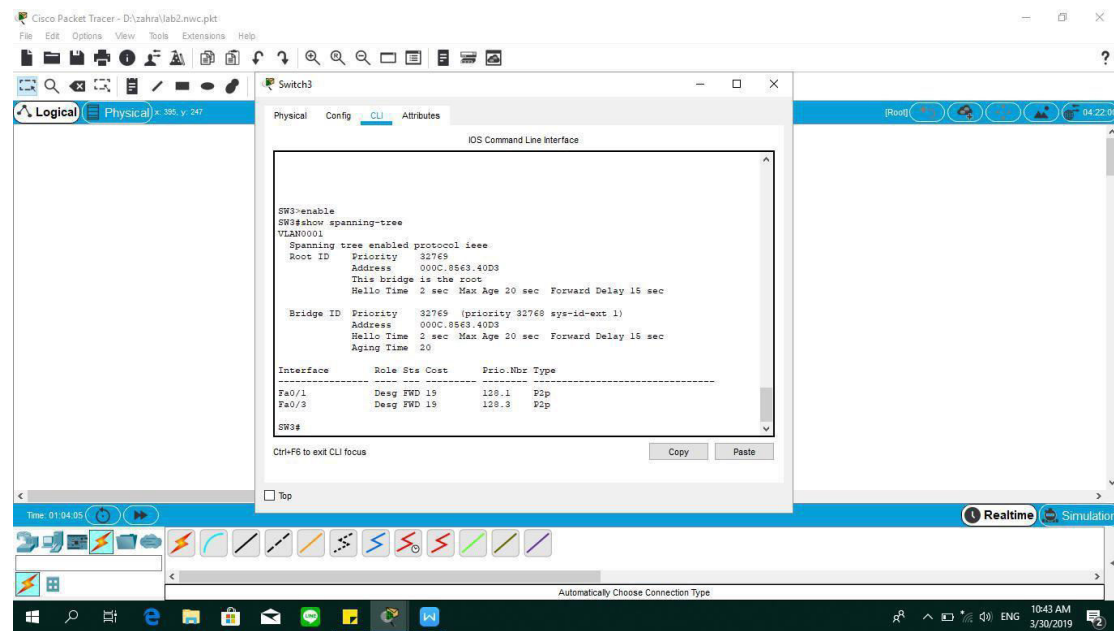
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/1        Desg FWD 19      128.1    P2p

SW2#
```

Ctrl+F6 to exit CLI focus

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## 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

