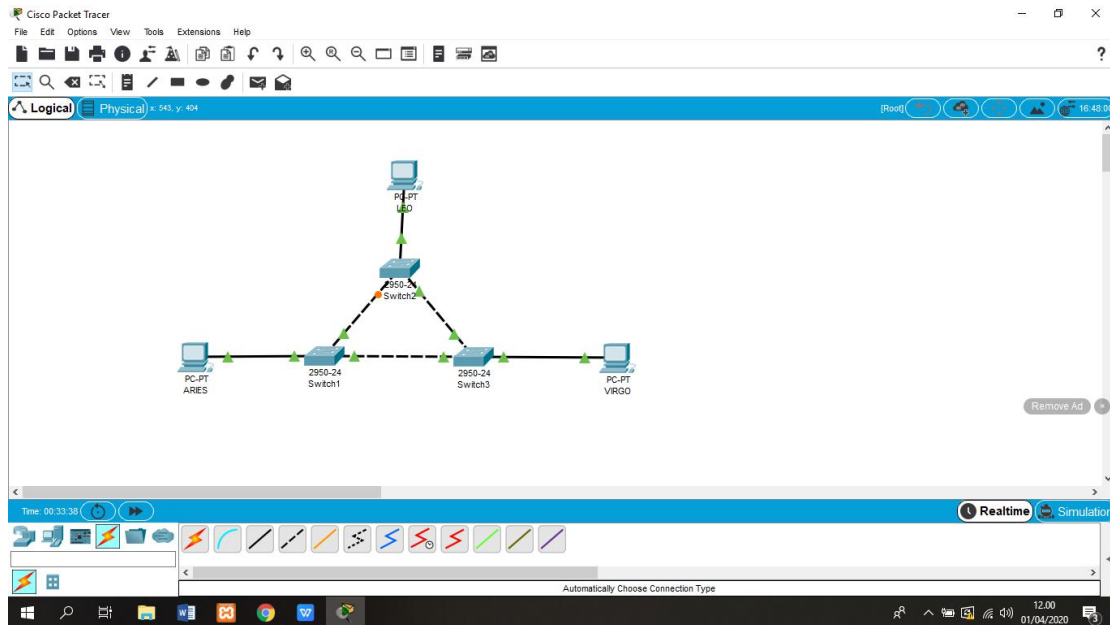
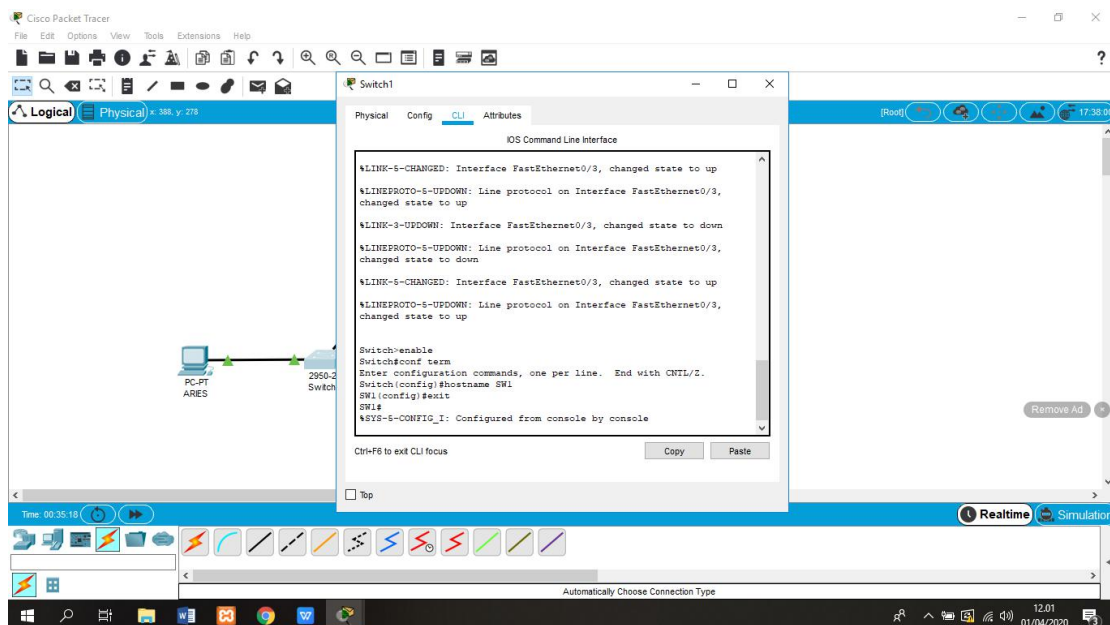


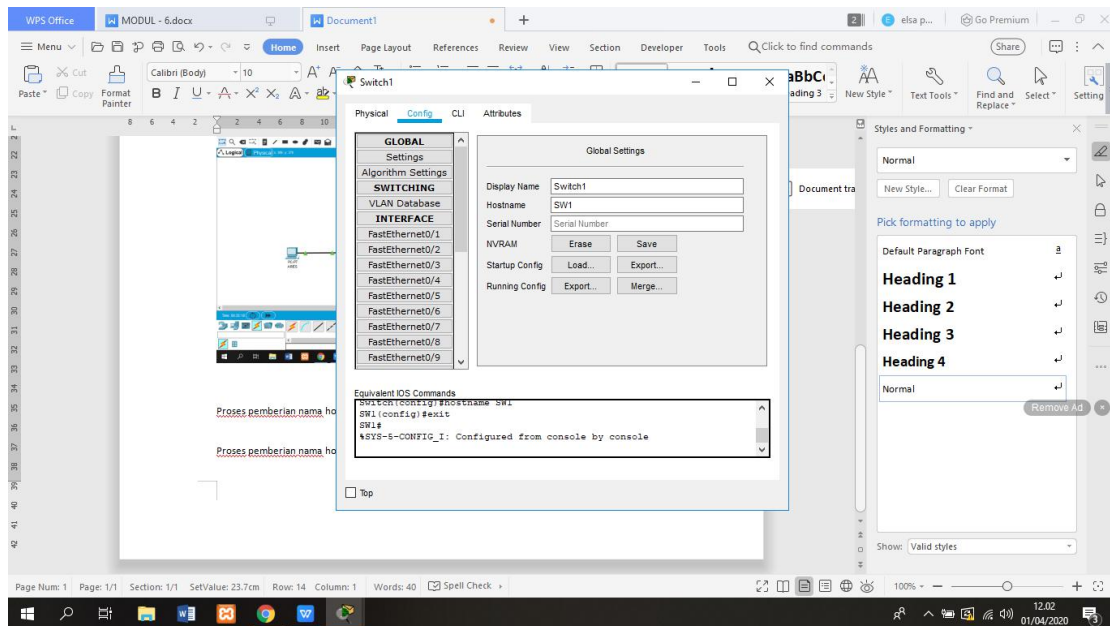
NAMA : ELSA PUTRI ALIYYA
NIM : L200180108
KELAS : C

Kegiatan 1. Topologi 1. Tugas 1A

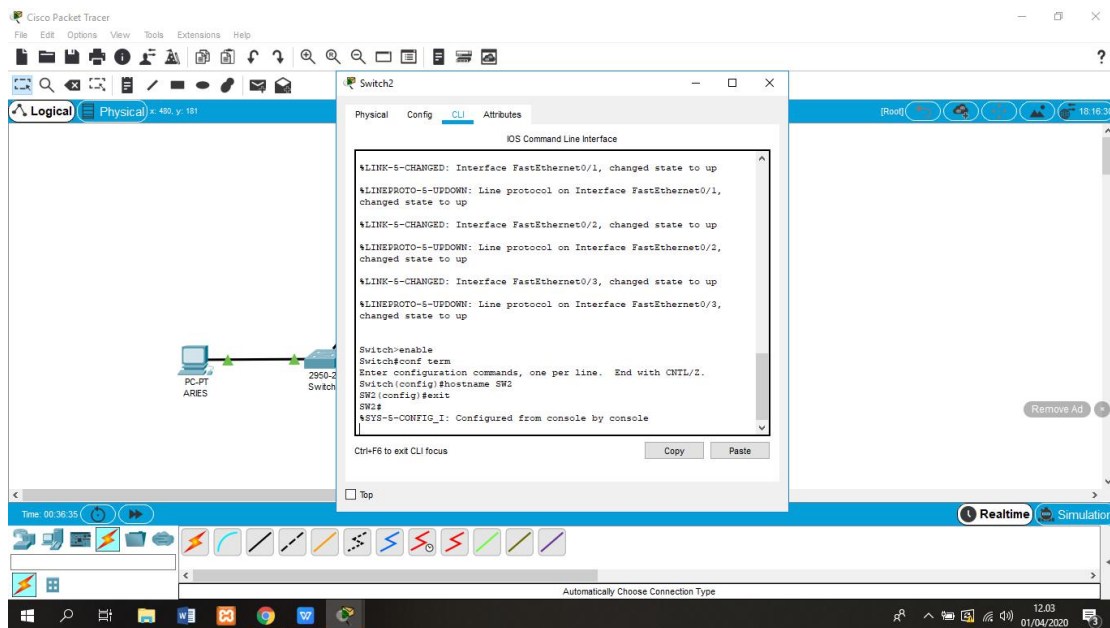


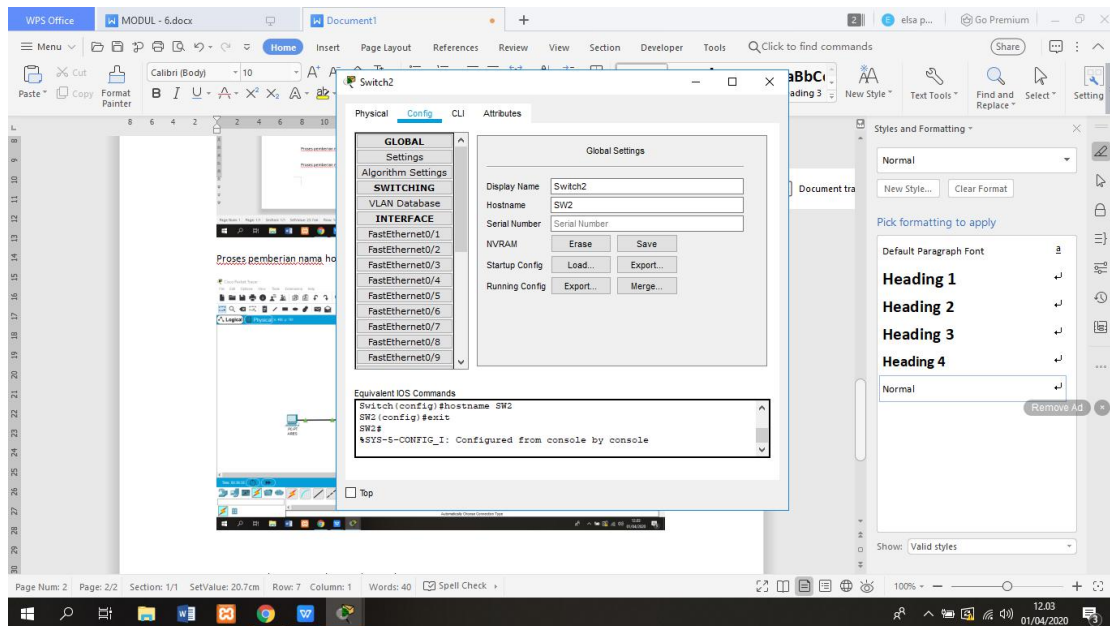
Tugas 2A Proses pemberian nama host pada Switch 1



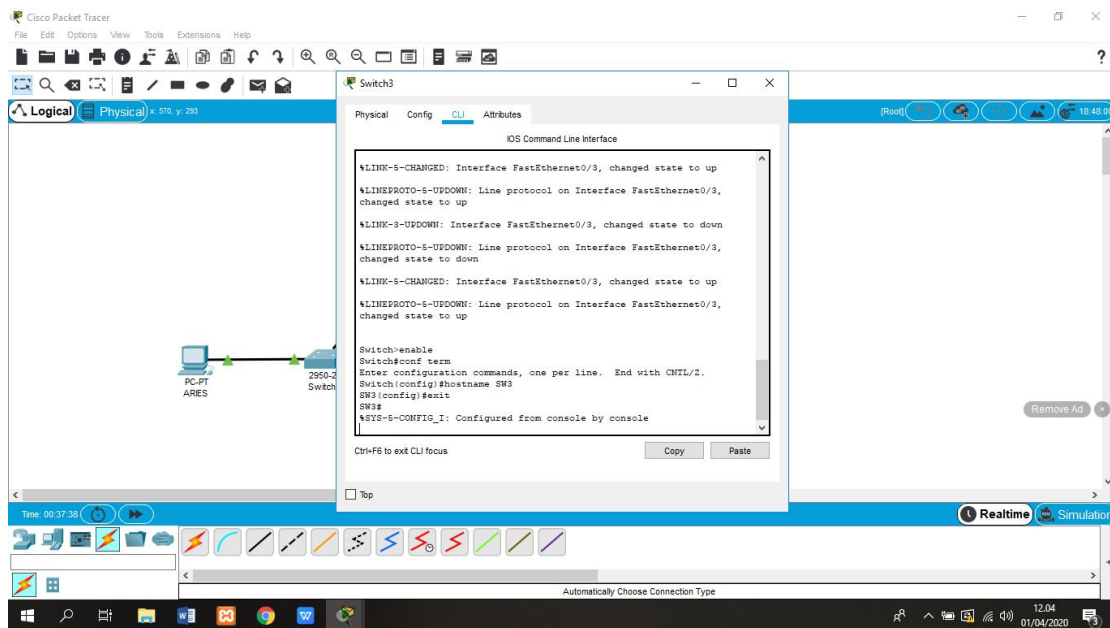


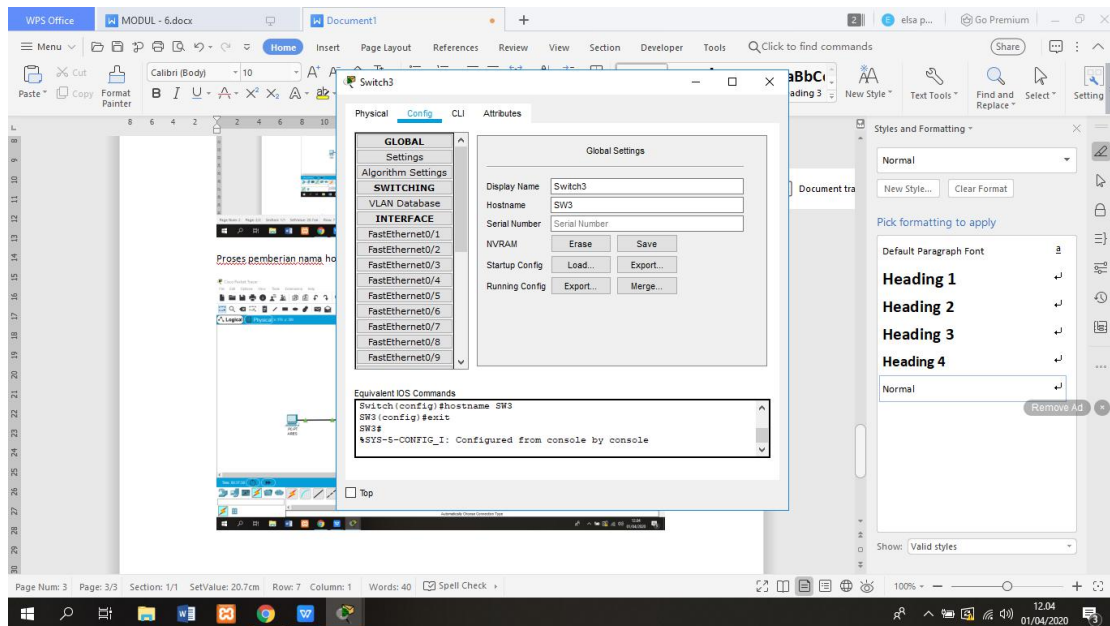
Proses pemberian nama host pada Switch 2





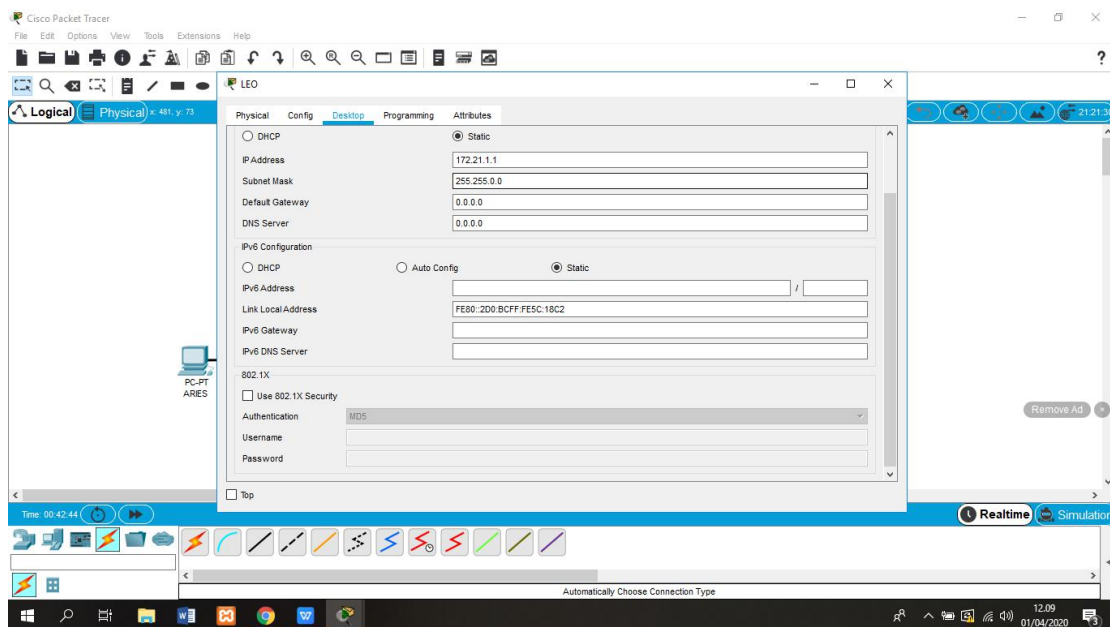
Proses pemberian nama host pada Switch 3



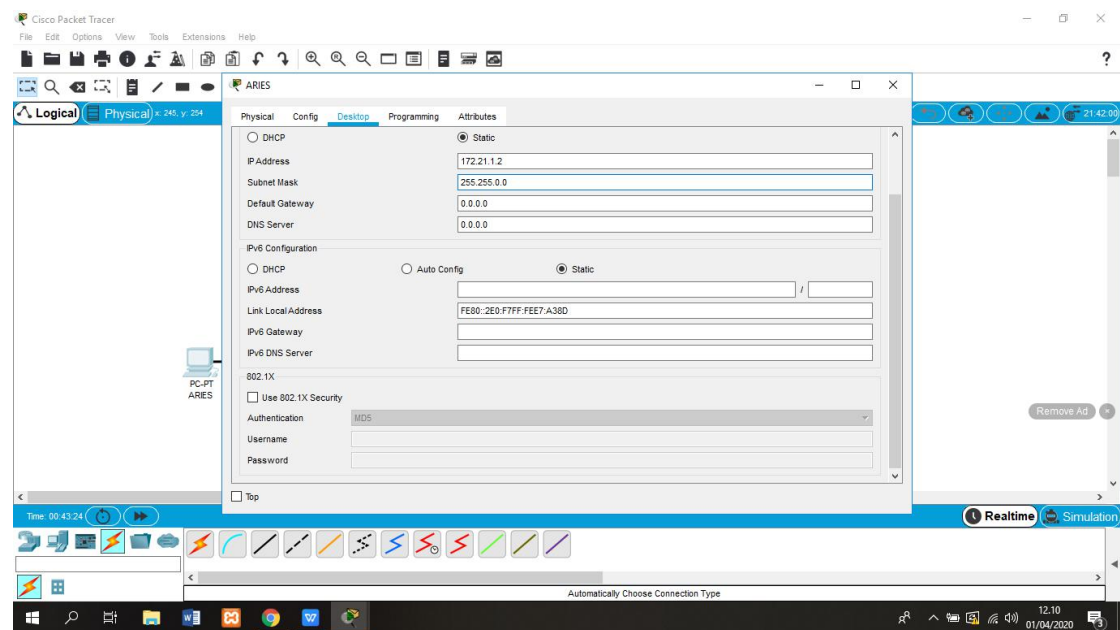


Tugas 3A

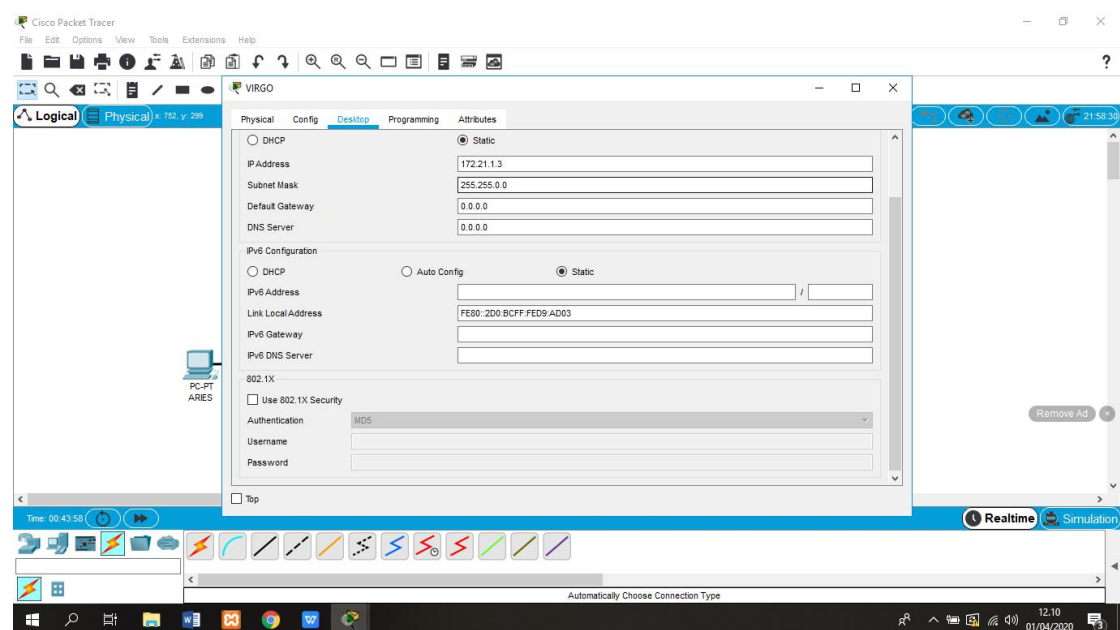
Konfigurasi IP adress pada PC Leo



Konfigurasi IP address pada PC Aries



Konfigurasi IP address pada PC Virgo



Tugas 4A

Status STP pada SW1

The screenshot shows the Cisco Packet Tracer interface with a network diagram on the left and a CLI window for Switch1 on the right. The network diagram shows a PC-PT ARIES connected to a 2950-2 Switch. The CLI window displays the following configuration and status:

```
SW1#enable
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0002.17C1.951C
             Cost        19
             Port        2 (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     0040.0806.00D0
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time  20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/3	Desig	FWD	19	120.3	P2p
Fa0/2	Root	FWD	19	120.2	P2p
Fa0/1	Desig	FWD	19	120.1	P2p

SW1#

Ctrl-F6 to exit CLI focus

Copy Paste

Status STP pada SW2

The screenshot shows the Cisco Packet Tracer interface with a network diagram on the left and a CLI window for Switch2 on the right. The network diagram shows a PC-PT ARIES connected to a 2950-2 Switch. The CLI window displays the following configuration and status:

```
SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0002.17C1.951C
             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     00E0.8F2B.921D
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time  20
```

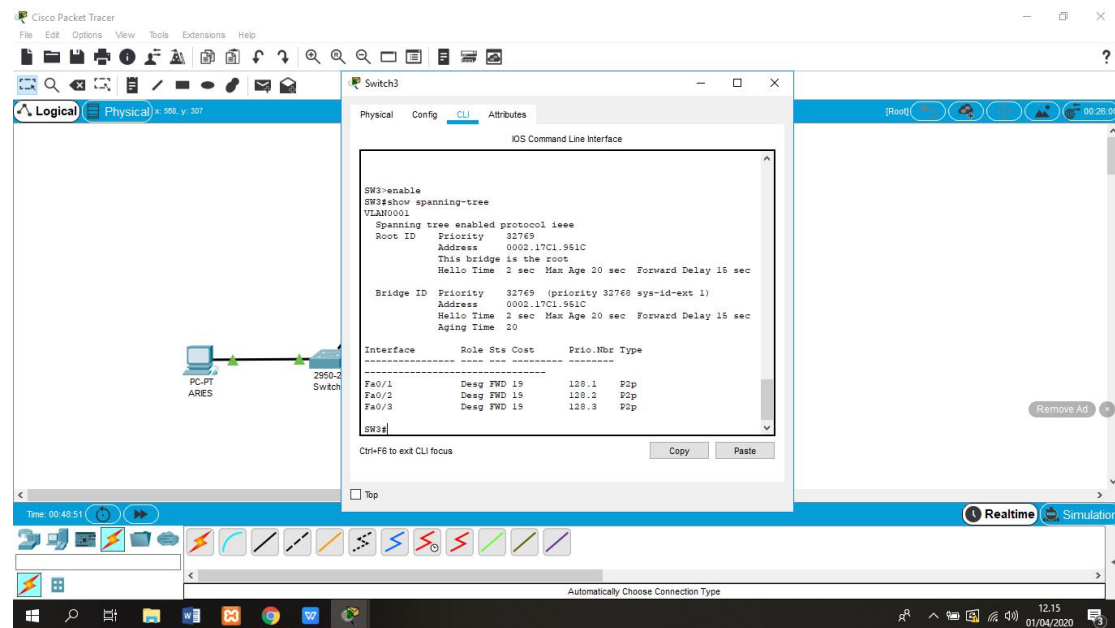
Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/1	Desig	FWD	19	120.1	P2p
Fa0/2	Altn	BLK	19	120.2	P2p
Fa0/3	Root	FWD	19	120.3	P2p

SW2#

Ctrl-F6 to exit CLI focus

Copy Paste

Status STP pada SW3



Tugas 4B

Tabel Switch 1

No	Variabel	Nilai
1	Root ID	32769.0002.17C1.951C
2	priority	32769
3	MAC Address	0002.17C1.951C
4	Bridge ID	32769.0040.0B86.0DDD
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 Switch 2

No	Variabel	Nilai
1	Root ID	32769.0002.17C1.951C
2	priority	32769
3	MAC Address	0002.17C1.951C
4	Bridge ID	32769.0002.17C1.951C
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 Switch 3

No	Variabel	Nilai
1	Root ID	32769.0002.17C1.951C
2	priority	32769
3	MAC Address	0002.17C1.951C
4	Bridge ID	32769.0002.17C1.951C
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

Tugas 4C

Pada kondisi default tersebut, switch dan port mana saja yang :

- Menjadi root bridge : SW2
- Menjadi designated bridge : SW1
- Menjadi root port : SW1 Fa 0/2 dan SW3 Fa 0/2
- Menjadi designated port : SW1 Fa 0/3, SW2 Fa 0/1,0/2,0/3 dan SW3 0/1,0/3

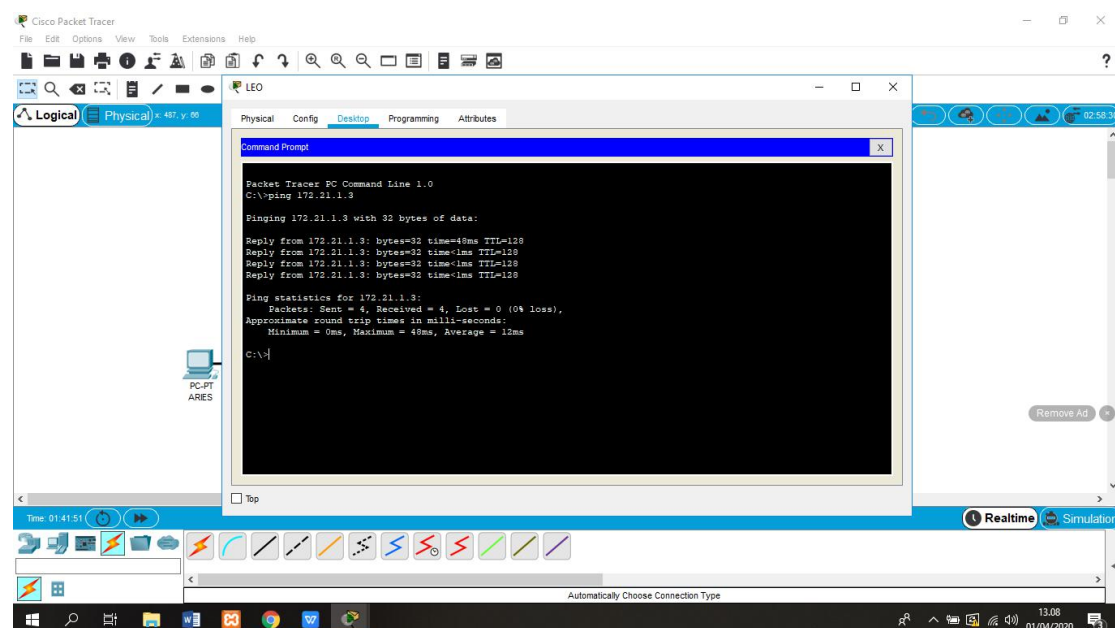
Tugas 4D

Pada kondisi default tersebut, dan port mana saja yang:

- Berada pada keadaan forwarding : SW1(Fa 0/2,0/3) , SW2(Fa 0/1,0/2,0/3), dan SW3(Fa 0/1,0/2,0/3)
- Berada pada keadaan blocking : SW1 Fa 0/1

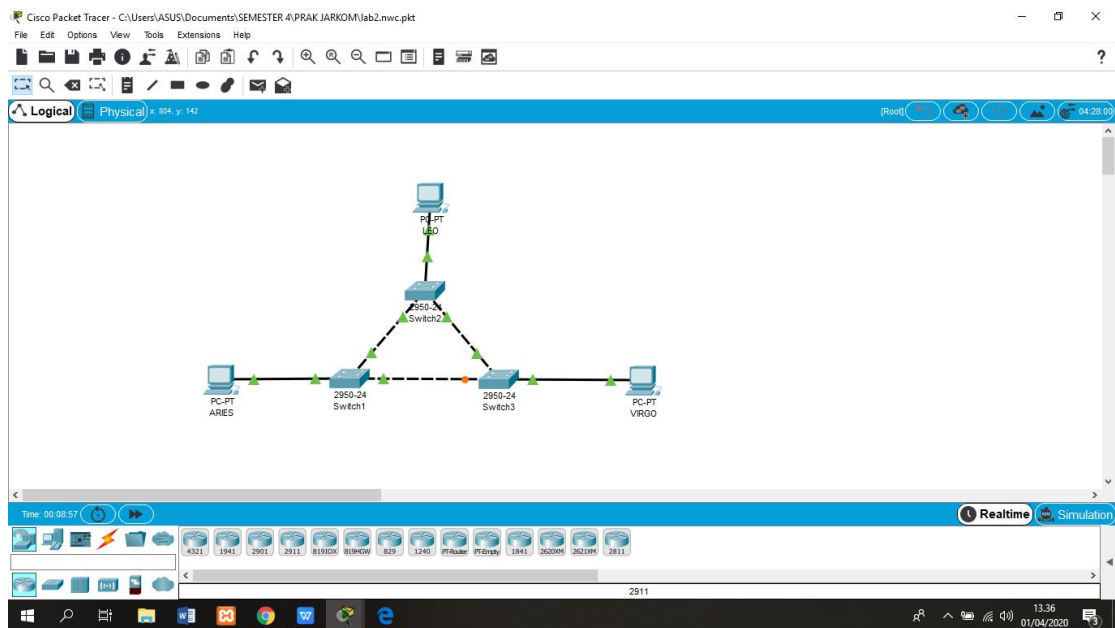
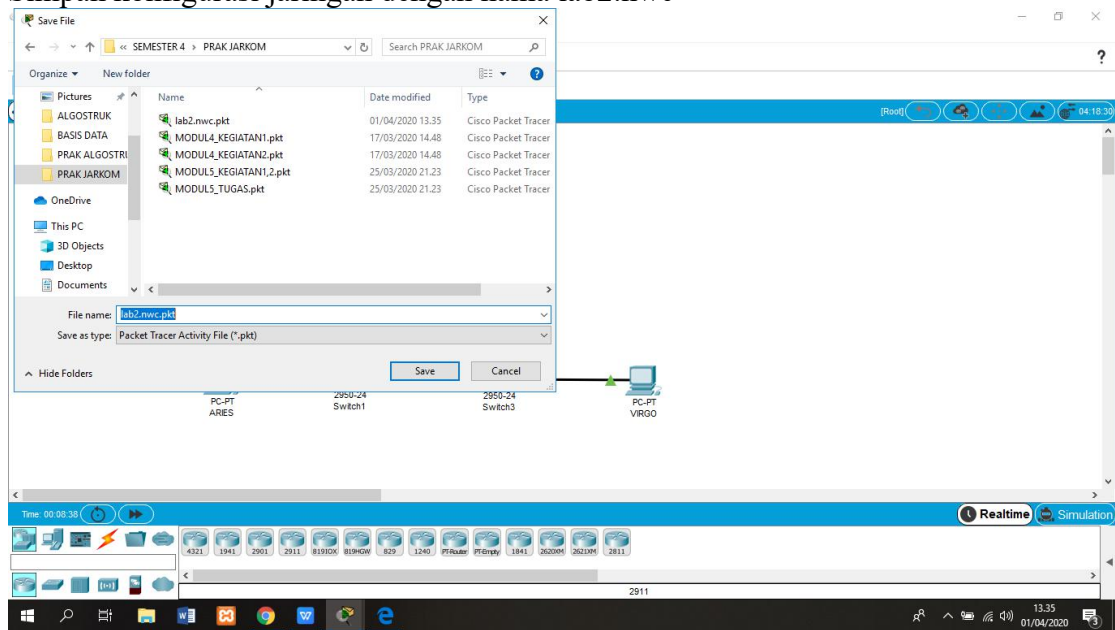
Tugas 5A

Proses ping dari PC LEO ke PC VIRGO



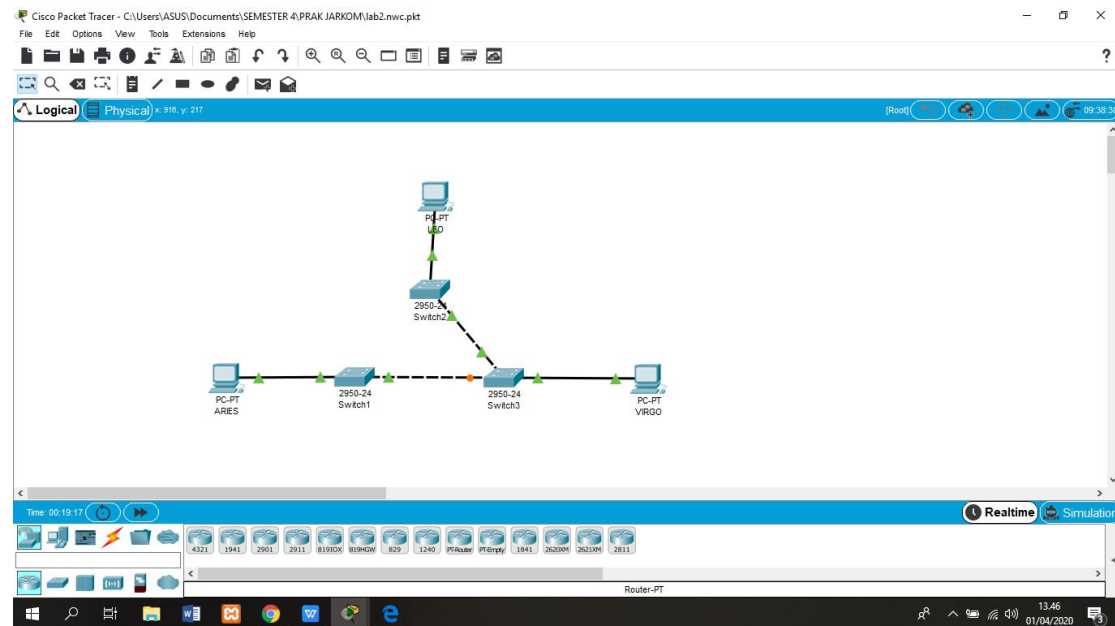
Tugas 6A

Simpan konfigurasi jaringan dengan nama lab2.nwc



Kegiatan 2. Topologi 2

Bentuk topologi setelah diubah



Status STP pada Switch 1

The screenshot shows the Cisco Packet Tracer interface with a window open for 'Switch1' in the 'CLI' tab. The command prompt is 'SW1#'. The output of the 'show spanning-tree' command is displayed, showing the status of STP on the switch. The output indicates that the spanning tree is enabled and the root ID is 32769. The bridge ID is 32769 (priority 32769, sys-id-ext 1). The interface Fa0/20 is in the 'Root FWD' state, and Fa0/1 is in the 'Desg FWD' state.

```
SW1#enable
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority      32769
              Address      0001.96E6.8C40
              Cost        30
              Port        2(FastEthernet0/2)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

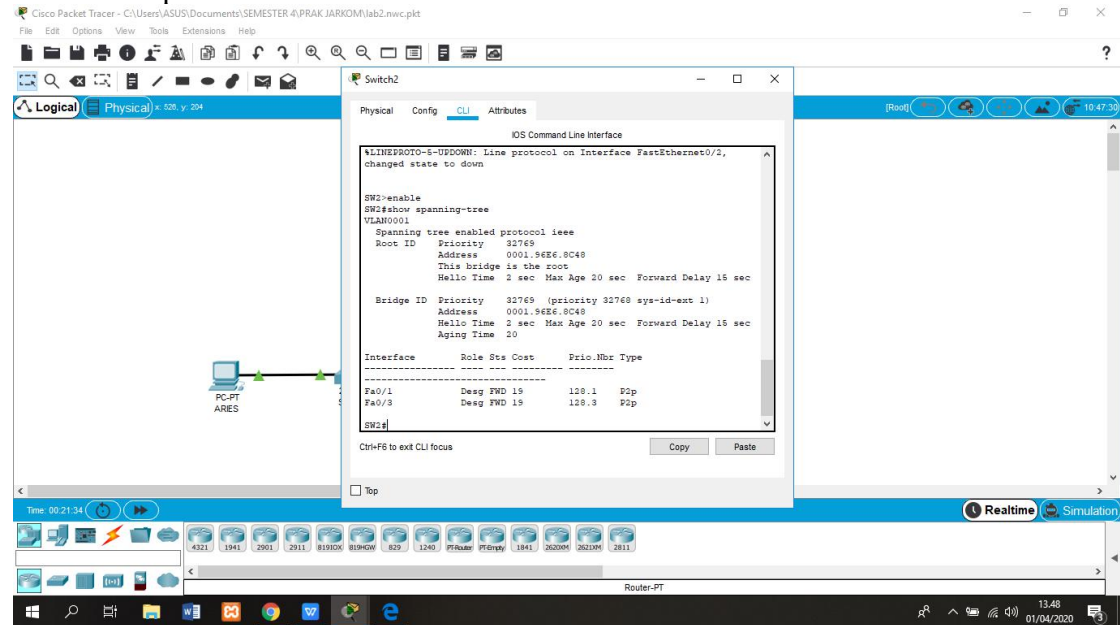
    Bridge ID  Priority      32769  (priority 32769 sys-id-ext 1)
              Address      0060.70B9.C357
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
              Aging Time  20

Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/20    Root FWD 19   128.2 P2p
Fa0/1     Desg FWD 19   128.1 P2p

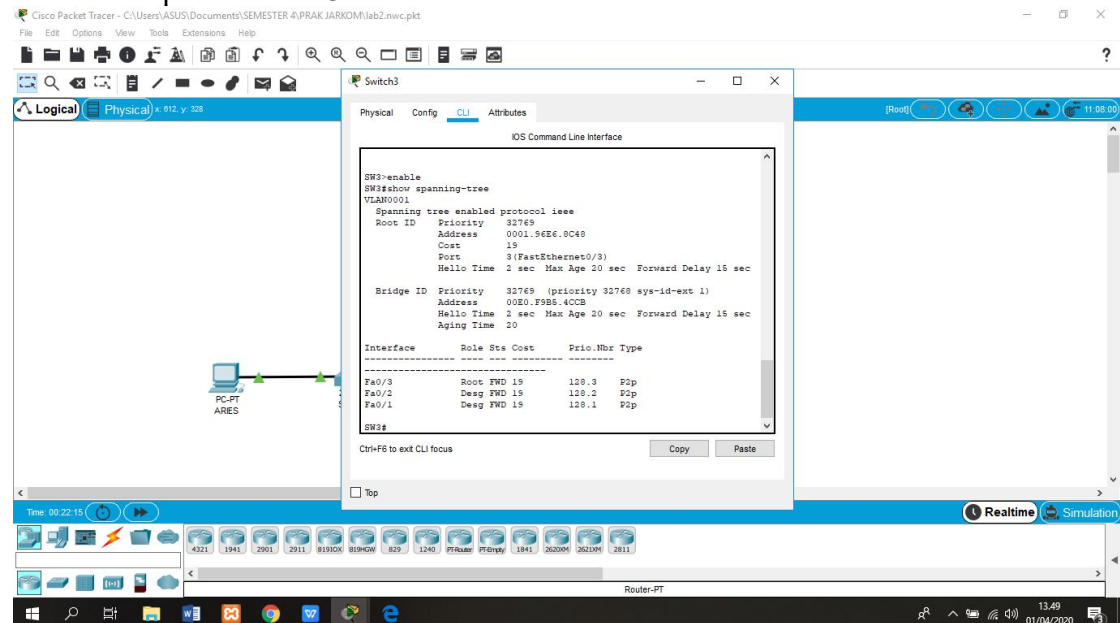
SW1#
```

The bottom status bar shows the time as 00:20:49 and the simulation mode as 'Realtime'.

Status STP pada Switch 2



Status STP pada Switch 3



Tabel Switch 1

No	Variabel	Nilai
1	Root ID	32769.0001.96E6.8C48
2	priority	32769
3	MAC Adress	0060.70B9.C357
4	Bridge ID	32769.0060.70B9.C357
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 Switch 2

No	Variabel	Nilai
1	Root ID	32769.0001.96E6.8C48
2	priority	32769
3	MAC Address	0001.96E6.8C48
4	Bridge ID	32769.0001.96E6.8C48
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 Switch 3

No	Variabel	Nilai
1	Root ID	32769.0001.96E6.8C48
2	priority	32769
3	MAC Address	00E0.F9B5.4CCB
4	Bridge ID	32769.00E0.F9B5.4CCB
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

Proses ping dari PC LEO ke PC VIRGO

```

Cisco Packet Tracer - C:\Users\ASUS\Documents\SEMESTER 4\PRAK IARXOM\lab2.nwc.pkt
File Edit Options View Tools Extensions Help
Logical Physical 9th x 102
LEO
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=162ms 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 = 162ms, Average = 40ms
C:\>
  
```