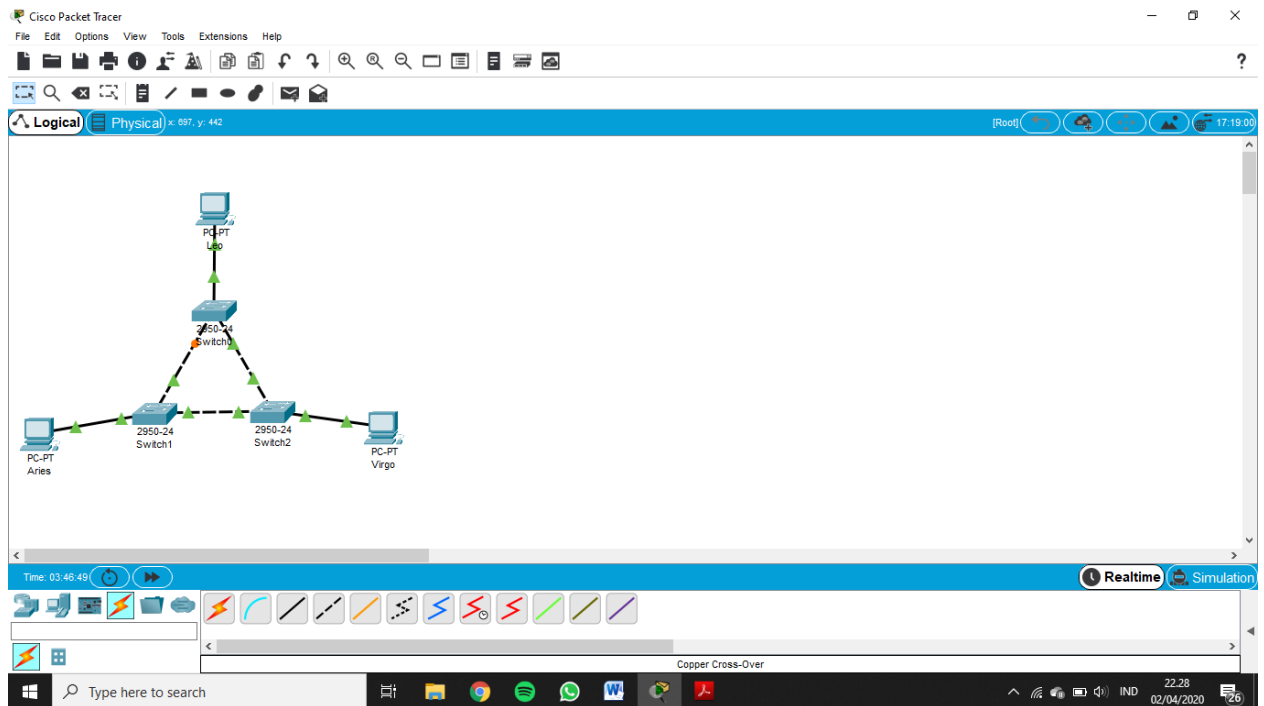Nama : Yusrina Khairin Rusydina

NIM : L200180025

Kelas : A

MODUL 6

Kegiatan 1. Topologi 1

Tugas 1A: Tulis langkah pembuatan topologi (Poin B)

a.   Memilih switch 2950-24 sebanyak 3 buah

b.   Memilih PC sebanyak 3 buah. Masing-masing PC diberi nama Leo, Aries, dan Virgo

c.   Sambungkan dengan kabel Copper Cross-Over dan kabel Copper Straight-Through

d.   Buat rangkaian seperti yang ada pada modul 6

Tugas 2A: Tulis langkah pemberian nama switch mulai dari mode user.

Klik switch yang dipilih → Config → Global Setting → Ubah nama pada display name.

Poin C (Konfigurasi masing-masing PC dengan alamat IP).

Poin D. Tugas 4A dan 4B (Lihat status STP pada masing-masing switch)
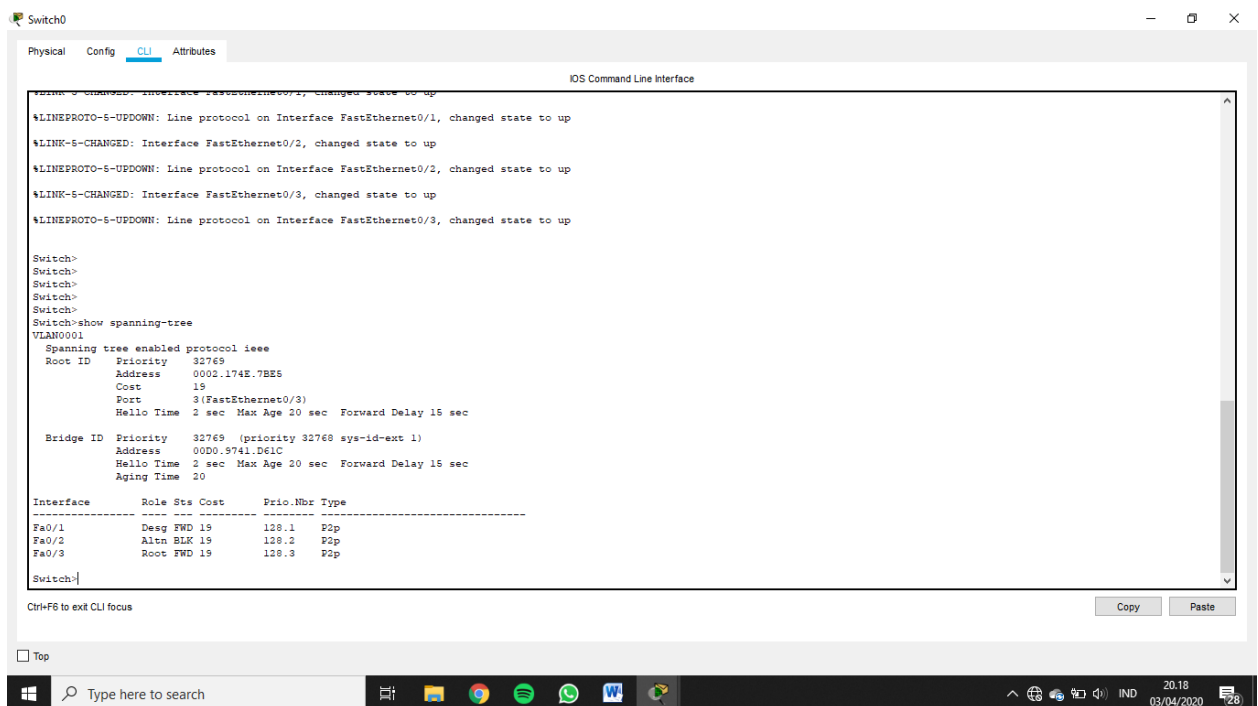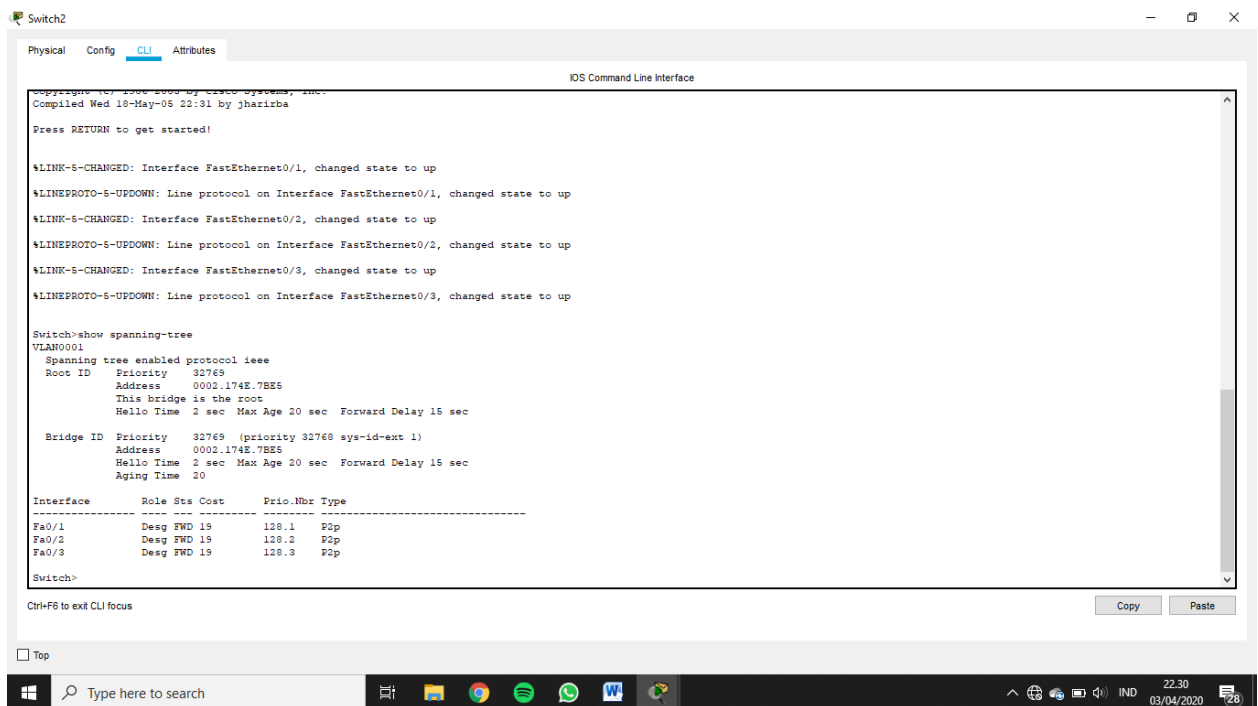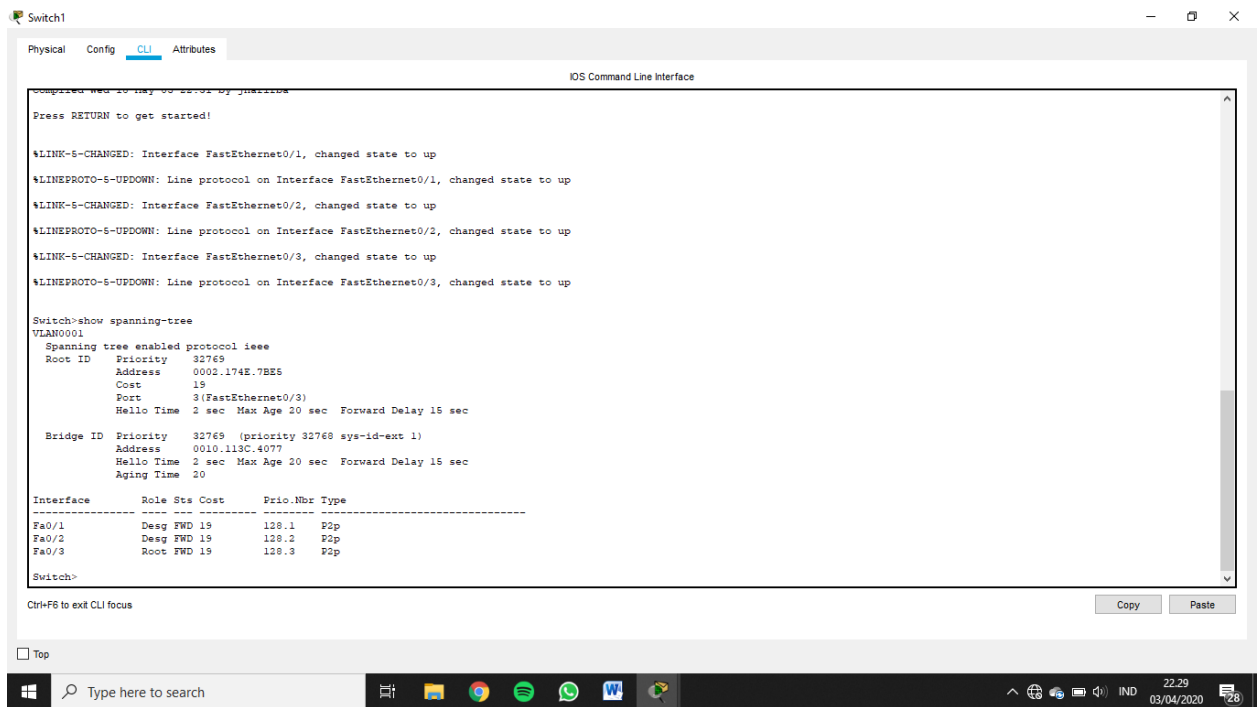
Tugas 4C :
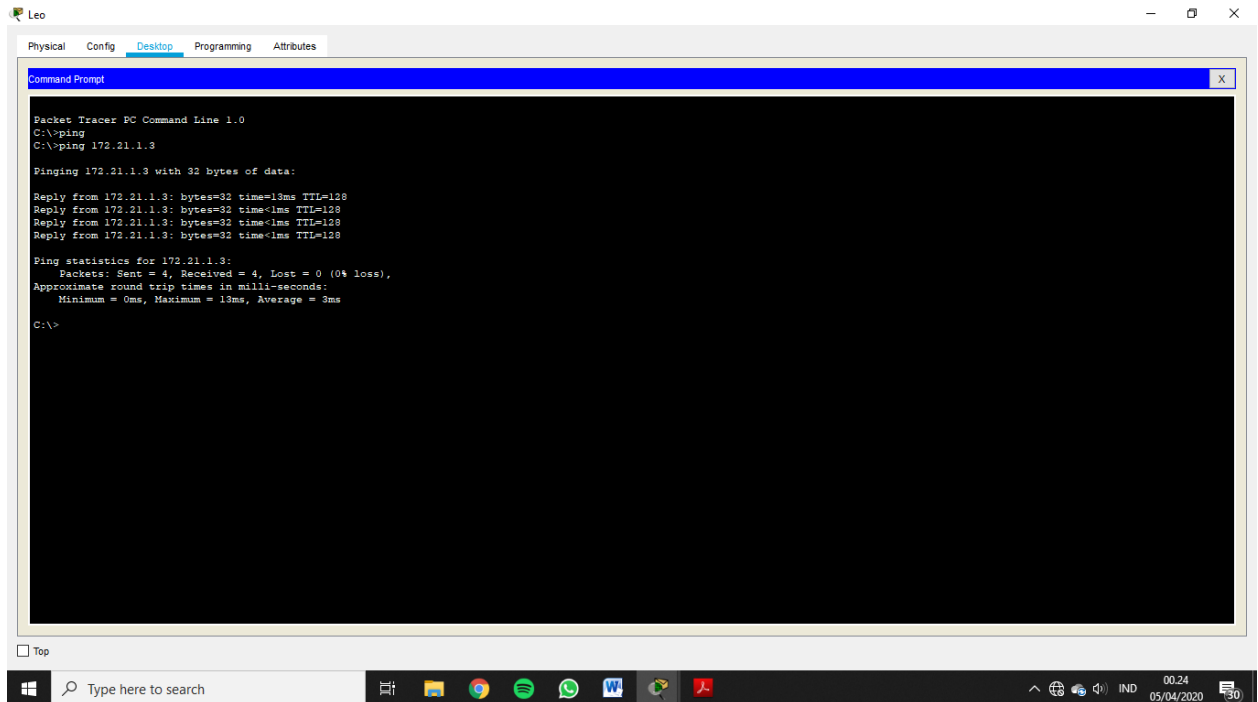
- Menjadi root bridge: SW2
- Menjadi designated bridge: SW2
- Menjadi root port: SW0(Fa0/2) dan SW1(Fa0/2)

- Menjadi designated port: SW0(Fa0/1, Fa0/3), SW1(Fa0/1) dan SW2(Fa0/1, Fa0/2, Fa0/3)

Tugas 4D :

- Forwarding: SW0(Fa0/1, Fa0/2, Fa0/3), SW1(Fa0/1, Fa0/2) dan SW2(Fa0/1, Fa0/2, Fa0/3)

- Blocking: SW1(Fa0/3)

Poin E (Ping PC Leo ke PC Virgo)

Tugas 5A

Klik PC Leo → Desktop → Command Prompt → Ping IP pada PC Virgo

Tugas 6A

Klik File → Save as → Direktori → Ketik "lab2.nwc" → Save

Kegiatan 2. Topologi 2

Tugas 9A

SW0

SW0

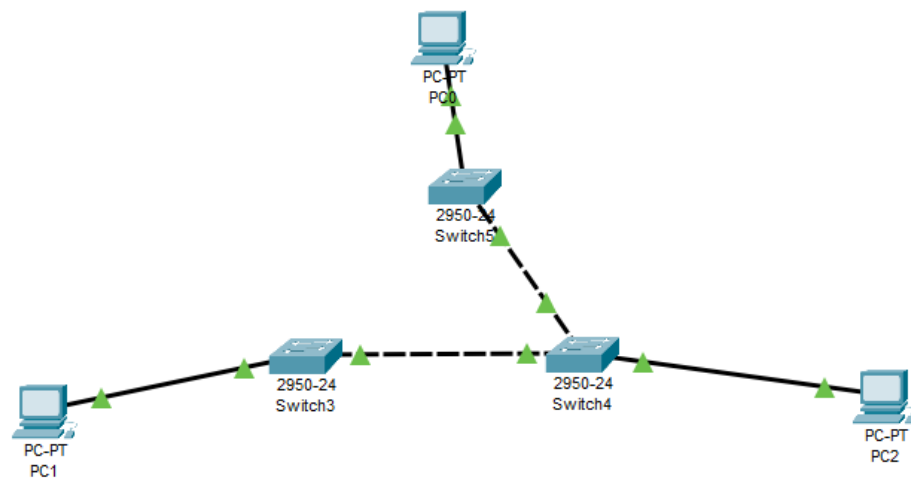| No	Variabel	Nilai
1	Root ID	32769. 0001.9646.3935
2	Priority	32769
3	MAC Address	0001.4237.5c48
		0001.97c2.5c02
		0050.0fba.91ed
		00d0.d3c4.598c
4	Bridge ID	32769. 0060.3E88.5E08
5	Cost(0/1;0/2;0/3)	Cost 19, Port 0/2
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW1

Switch1

| Physical | Config | CLI | Attributes |

```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.9646.3935
             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     0090.0C43.AC2A
             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
Fa0/1            Desg FWD 19        128.1    P2p

Switch#show mac-address-table
          Mac Address Table
-------------------------------------------

Vlan    Mac Address       Type        Ports
----    -----------       --------    -----

   1    0001.97c2.5c03    DYNAMIC     Fa0/2
Switch#
```

Ctrl+F6 to exit CLI focus

SW1

No	Variabel	Nilai
1	Root ID	32769. 0001.9646.3935
2	Priority	32769
3	MAC Address	0001.97c2.5c03
4	Bridge ID	32769. 0090.0C43.AC2A
5	Cost(0/1;0/2;0/3)	Cost 19, Port 0/2
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW2

Switch2

| Physical | Config | CLI | Attributes |

IOS Command Line Inter

```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.9646.3935
             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     0001.9646.3935
             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#show mac-address-table
          Mac Address Table
-------------------------------------------

Vlan    Mac Address      Type       Ports
----    -----------      --------   -----

   1    0050.0f02.4802   DYNAMIC    Fa0/3
   1    0060.2fe2.9602   DYNAMIC    Fa0/2
Switch#
```

Ctrl+F6 to exit CLI focus

☐ Top

SW2

No	Variabel	Nilai
1	Root ID	32769. 0001.9646.3935
2	Priority	32769
3	MAC Address	0050.0f02.4802
		0060.2fe2.9602
4	Bridge ID	32769. 0001.9646.3935
5	Cost(0/1;0/2;0/3)	root
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Ping PC Leo ke PC Virgo

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=2ms 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 = 2ms, Average = 0ms

C:\>
```