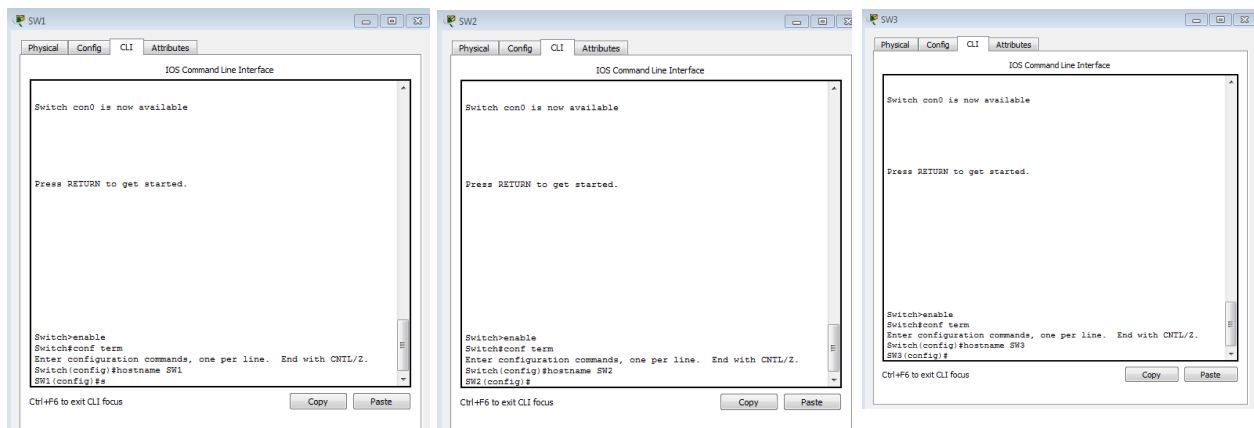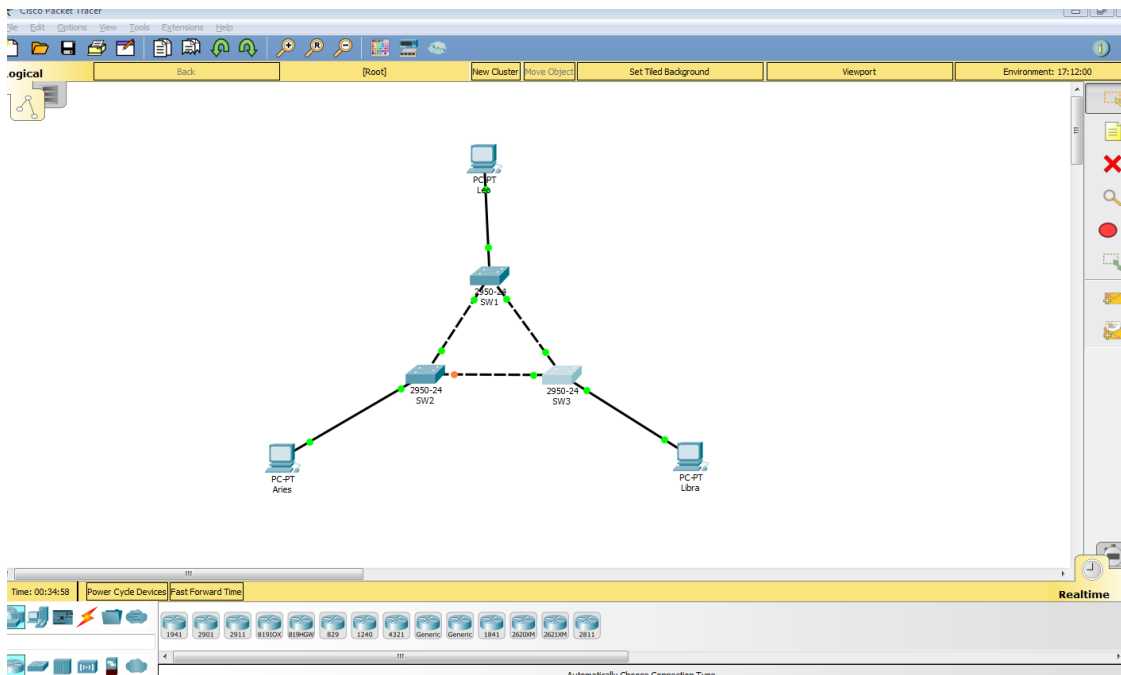NAMA   : Ahmad Rozin
NIM   : L200170135
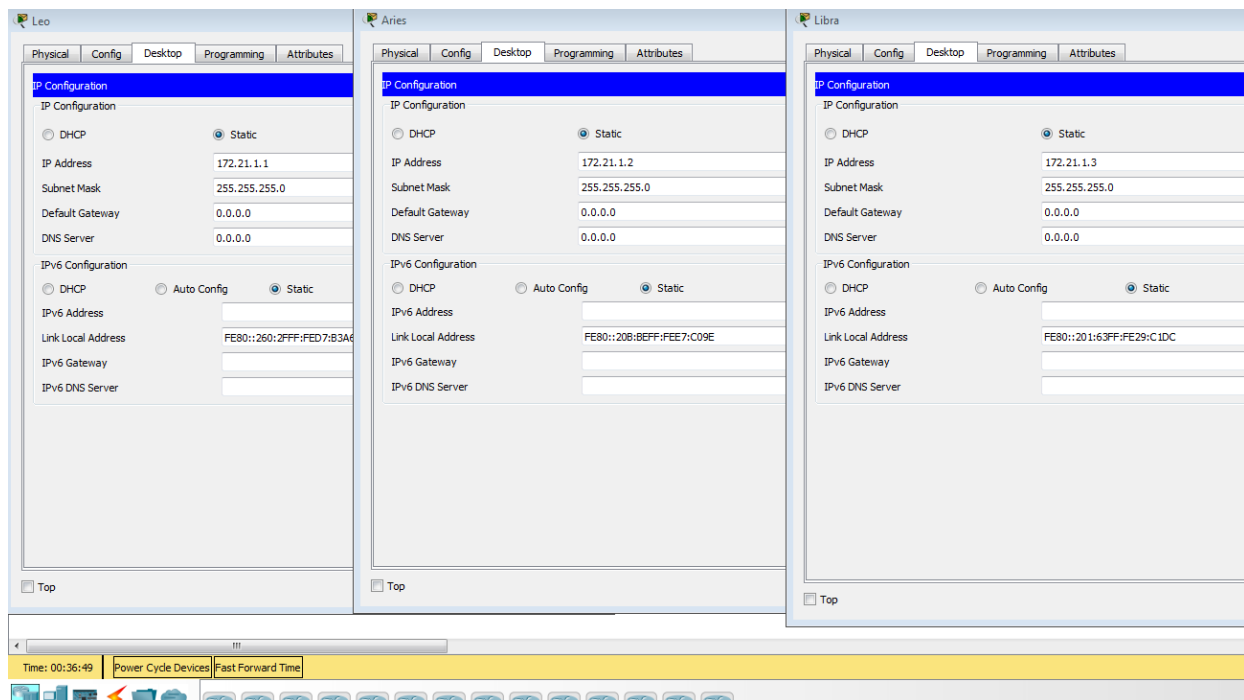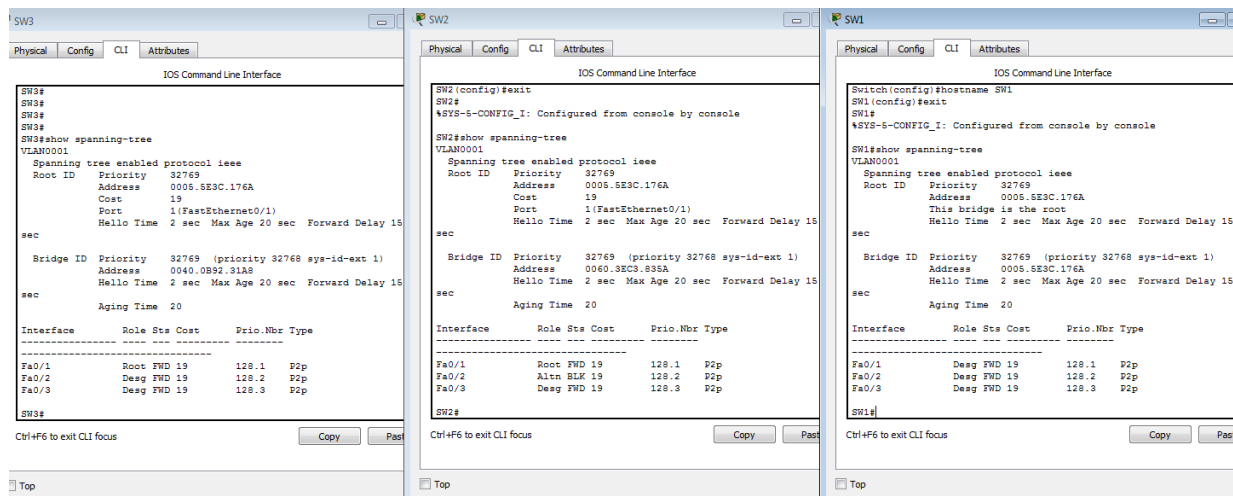Kelas   : C
Modul   : 6

KEGIATAN

1A dan 2A

- Tambahkan 3 switch 2950-24 dan 3 PC
- Sambungkan dengan Switch0 ke PC Leo, Switch1 ke PC Aries, dan Switch2 ke PC Libra
- Sambungkan ketiga Switch
- Ganti nama switch dengan *user mode*

Memberikan IP Address ke Leo, Aries dan Libra

Leo — Desktop / IP Configuration
- IP Configuration: Static
- IP Address: 172.21.1.1
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- IPv6 Configuration: Static
- Link Local Address: FE80::260:2FFF:FED7:B3A6

Aries — Desktop / IP Configuration
- IP Configuration: Static
- IP Address: 172.21.1.2
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- IPv6 Configuration: Static
- Link Local Address: FE80::20B:BEFF:FEE7:C09E

Libra — Desktop / IP Configuration
- IP Configuration: Static
- IP Address: 172.21.1.3
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- IPv6 Configuration: Static
- Link Local Address: FE80::201:63FF:FE29:C1DC

Time: 00:36:49   Power Cycle Devices   Fast Forward Time

4A. Menampilkan spanning-tree

SW3 — CLI

```
SW3#
SW3#
SW3#
SW3#
SW3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0005.5E3C.176A
             Cost        19
             Port        1(FastEthernet0/1)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     0040.0B92.31A8
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

SW3#
```

SW2 — CLI

```
SW2(config)#exit
SW2#
%SYS-5-CONFIG_I: Configured from console by console

SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0005.5E3C.176A
             Cost        19
             Port        1(FastEthernet0/1)
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec

  Bridge ID  Priority    32769  (priority 32768 sys-id-ext 1)
             Address     0060.3EC3.835A
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
             Aging Time  20

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

SW2#
```

SW1 — CLI

```
Switch(config)#hostname SW1
SW1(config)#exit
SW1#
%SYS-5-CONFIG_I: Configured from console by console

SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0005.5E3C.176A
             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     0005.5E3C.176A
             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            Desg FWD 19        128.3    P2p

SW1#
```

4B

SW1

No	Variabel	Nilai
1	Root ID	0005.5E3C.176A
2	Priority	32769
3	MAC Address	0005.5E3C.176A
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

SW2

No	Variabel	Nilai
1	Root ID	0005.5E3C.176A
2	Priority	32769
3	MAC Address	0060.3EC3.835A
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

SW3

No	Variabel	Nilai
1	Root ID	0005.5E3C.176A
2	Priority	32769
3	MAC Address	0040.0B92.31A8
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

4C

- Root Bridge   : SW1
- Designated Bridge   : SW2
- Root Port   : SW2 (Fa0/1), SW3 (Fa0/1)
- Designated Port   : SW1, SW2 (Fa0/3), SW3 (Fa0/2, Fa0/3)

4D

- Forwarding   : SW1, SW3, SW2 (Fa0/1, Fa0/3)
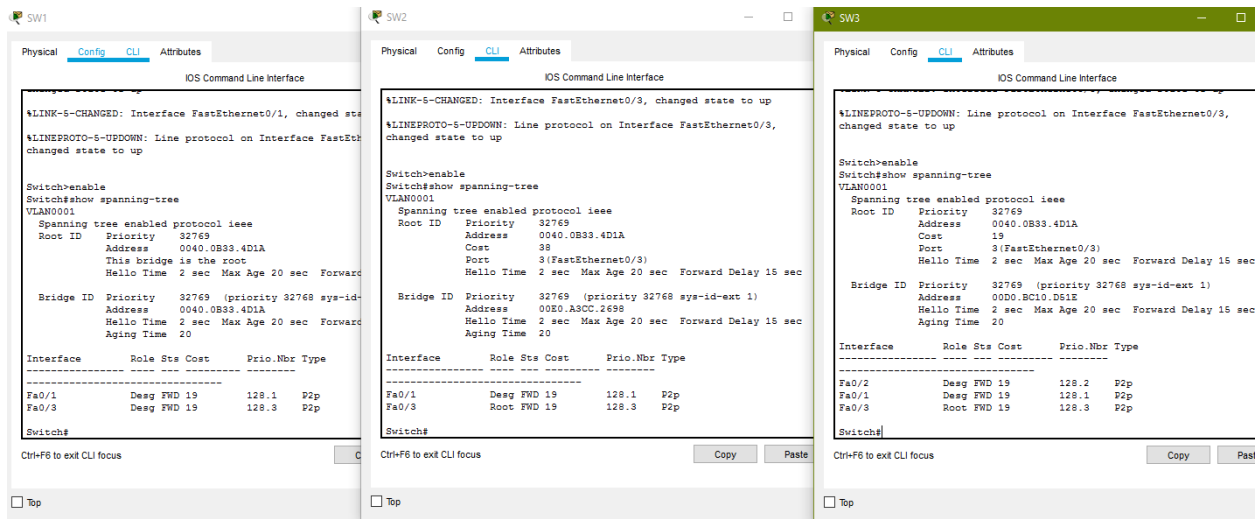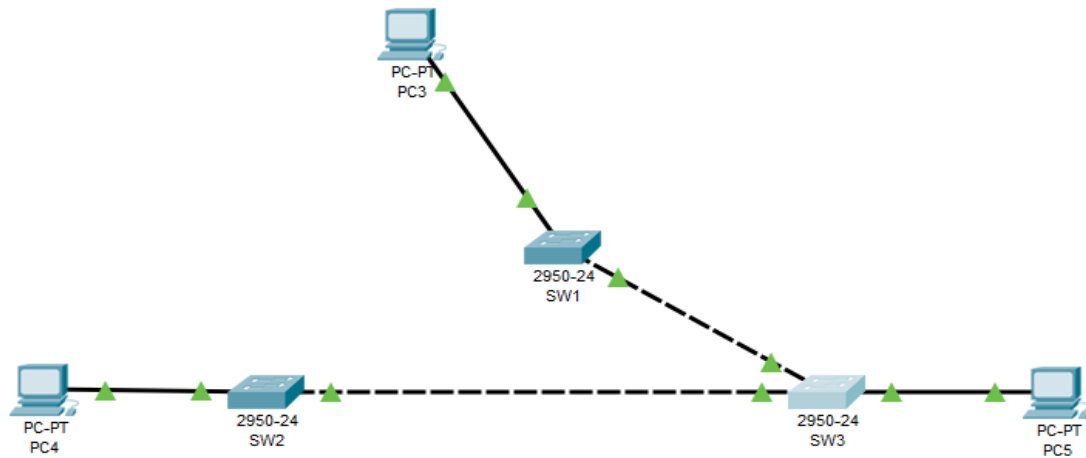- Blocking   : SW2 Fa0/2

5A. melakukan ping
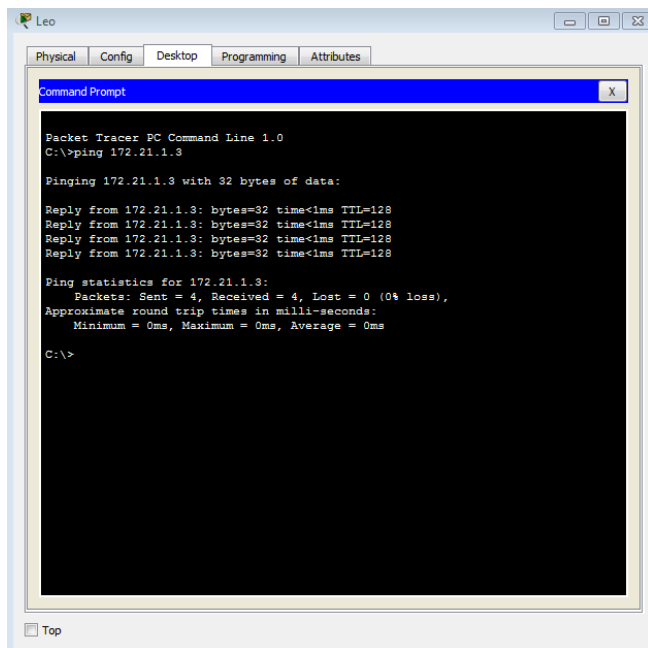
6A. Menyimpan topologi
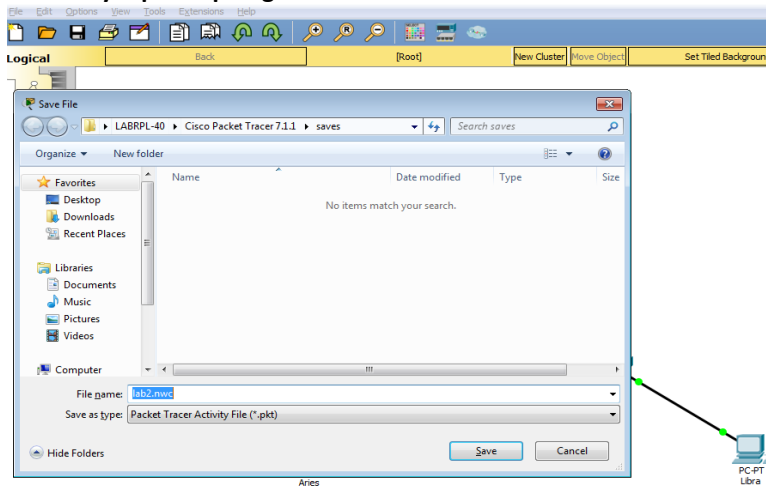
TUGAS 6 Topologi 2

4B

SW1

No	Variabel	Nilai
1	Root ID	0040.0B33.4D1A
2	Priority	32769
3	MAC Address	0040.0B33.4D1A
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

SW2

No	Variabel	Nilai
1	Root ID	0040.0B33.4D1A
2	Priority	32769
3	MAC Address	00E0.A3CC.2698
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

SW3

No	Variabel	Nilai
1	Root ID	0040.0B33.4D1A
2	Priority	32769
3	MAC Address	00D0.BC10.D51E
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Fordward Delay	15 sec

4C

- Root Bridge   : SW1
- Designated Bridge   : SW2, SW3
- Root Port   : SW2 (Fa0/3), SW3 (Fa0/3)
- Designated Port   : SW1(Fa0/1, Fa0/3), SW2 (Fa0/1), SW3 (Fa0/1, Fa0/2)

4D
- Forwarding   : SW1, SW2, SW3
- Blocking   : -