

Nama : Helmi Lutfian

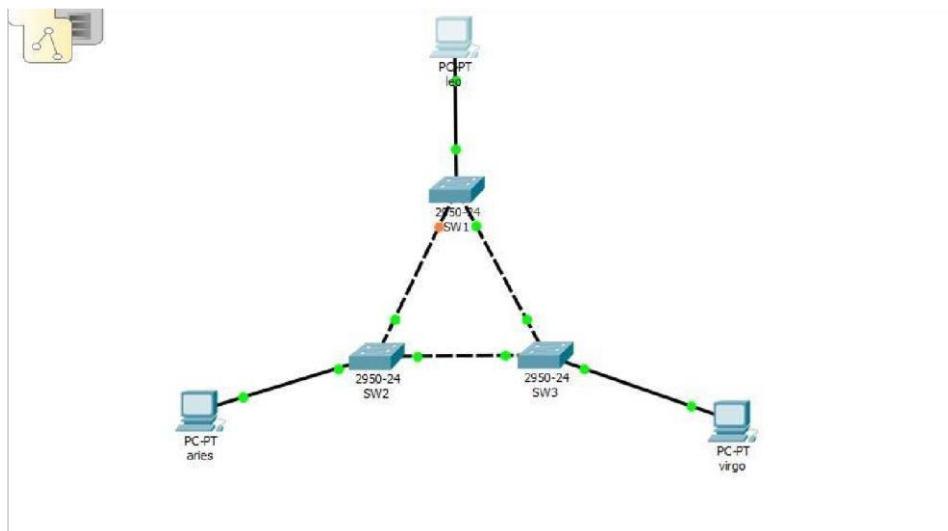
NIM : L200170055

Kelas : B

Modul : 6

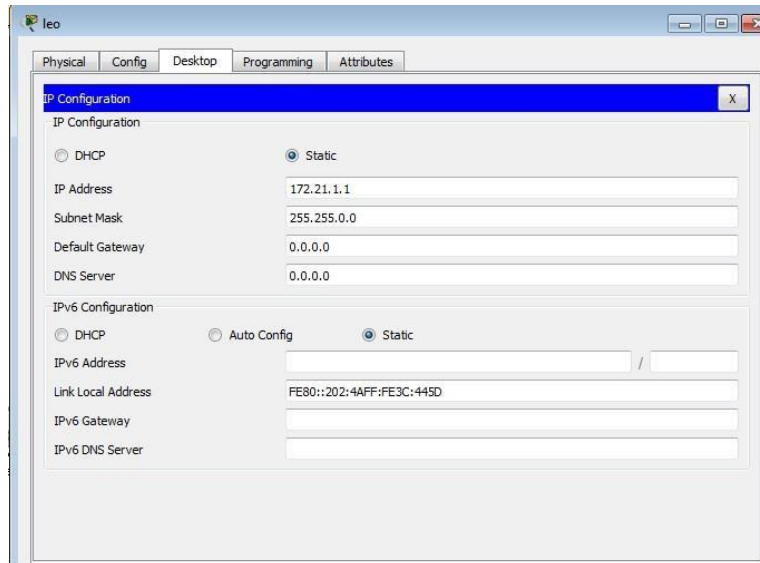
Kegiatan 1

1. Topologi



2. Konfigurasi alamat IP

- Leo



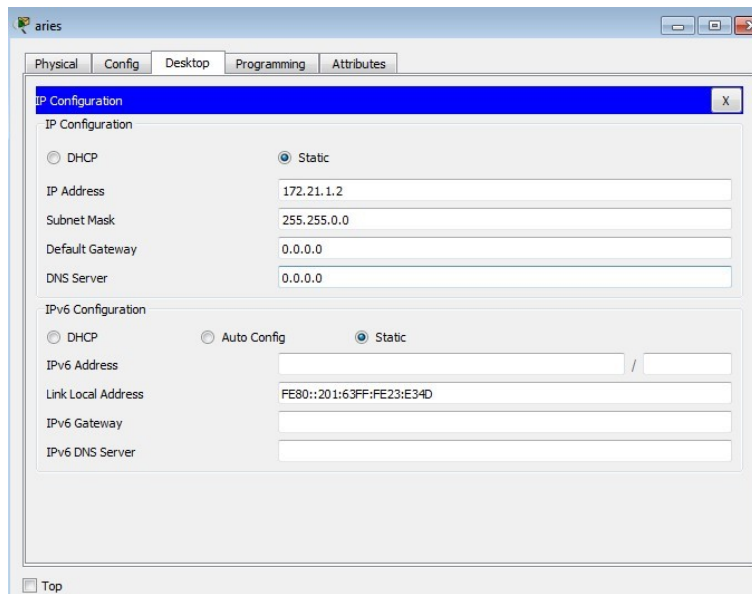
The screenshot shows the 'leo' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Address	172.21.1.1
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, with the following settings:

Field	Value
IPv6 Address	
Link Local Address	FE80::202:4AFF:FE3C:445D
IPv6 Gateway	
IPv6 DNS Server	

- Aries



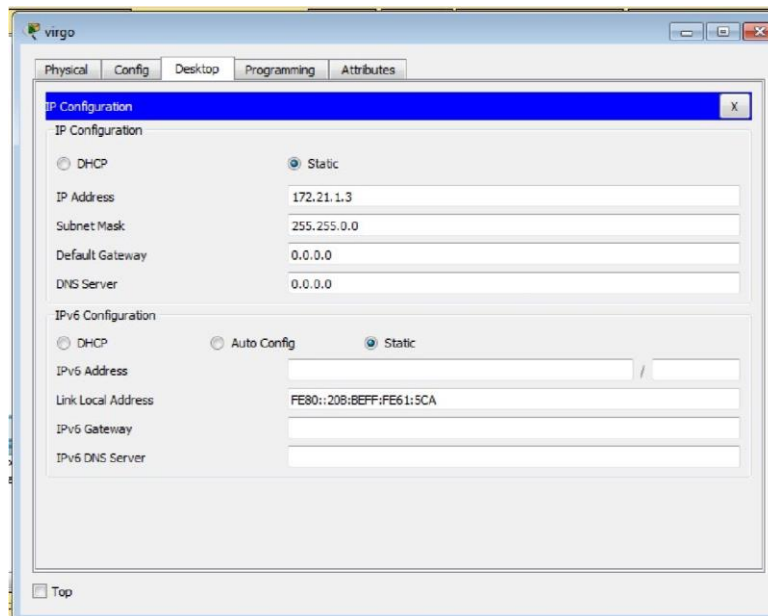
The screenshot shows the 'aries' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Address	172.21.1.2
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, with the following settings:

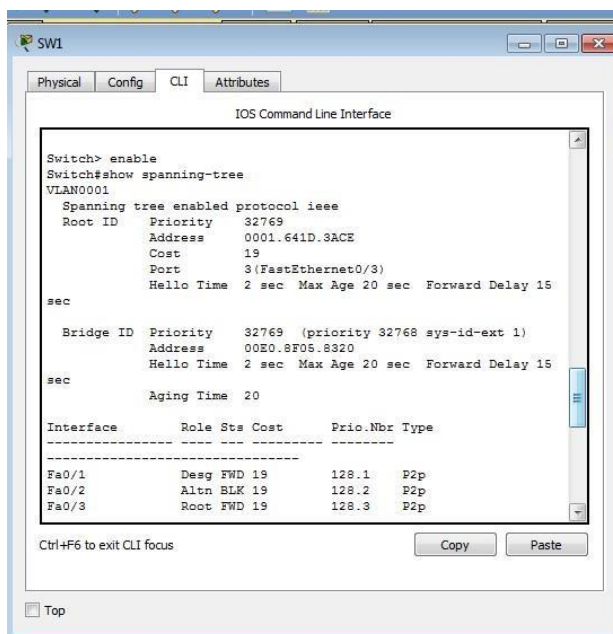
Field	Value
IPv6 Address	
Link Local Address	FE80::201:63FF:FE23:E34D
IPv6 Gateway	
IPv6 DNS Server	

- Virgo

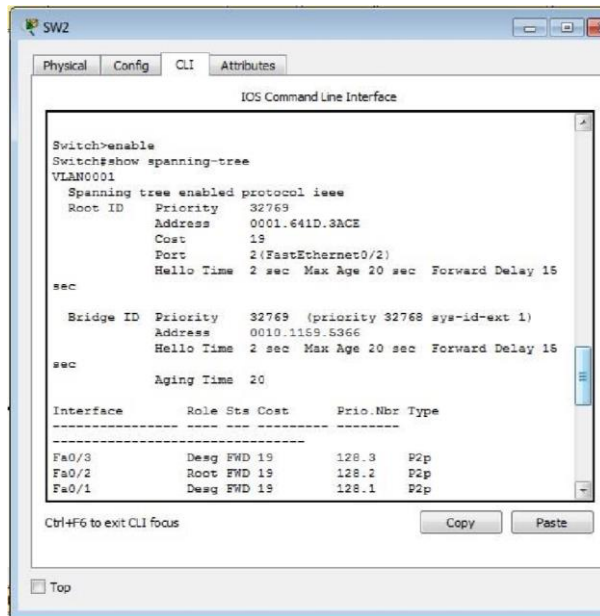


3. Show spanning-tree pada masing-masing switch

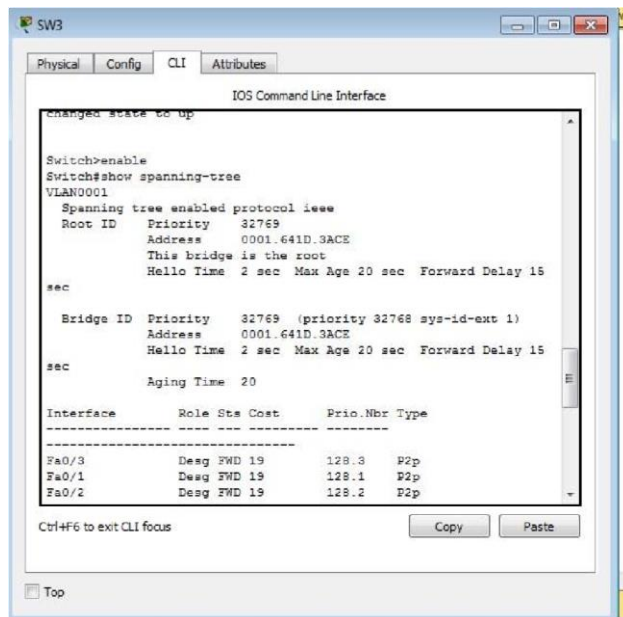
- SW1



- SW2



- SW3



Tabel SW1

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 00E0.8F05.8320
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW2

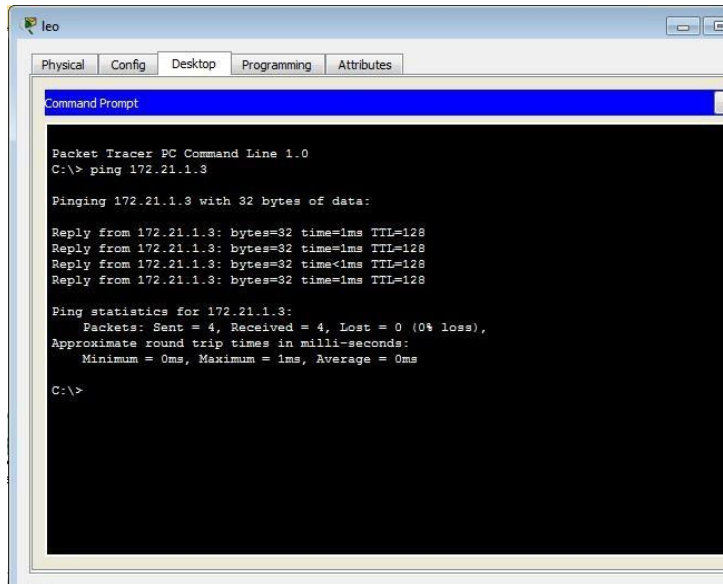
No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 0010.1159.5366
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW3

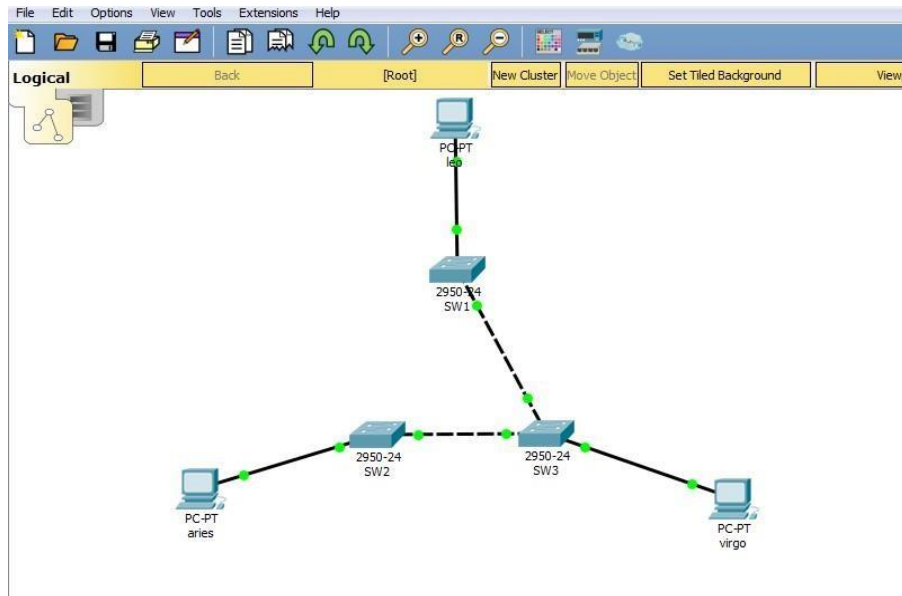
No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 001.641D.3ACE
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

- Root bridge : SW3
- Designated bridge : SW1
- Root port : SW2
- Designated port : - Port kondisi forwarding
- SW1 : Fa 0/1, Fa 0/3
- SW2 : Fa 0/1, Fa 0/2, Fa 0/3
- SW3 : Fa 0/1, Fa 0/2, Fa 0/3
- Port kondisi blocking : SW1 Fa 0/2

4. Ping dari PC Leo ke PC Virgo

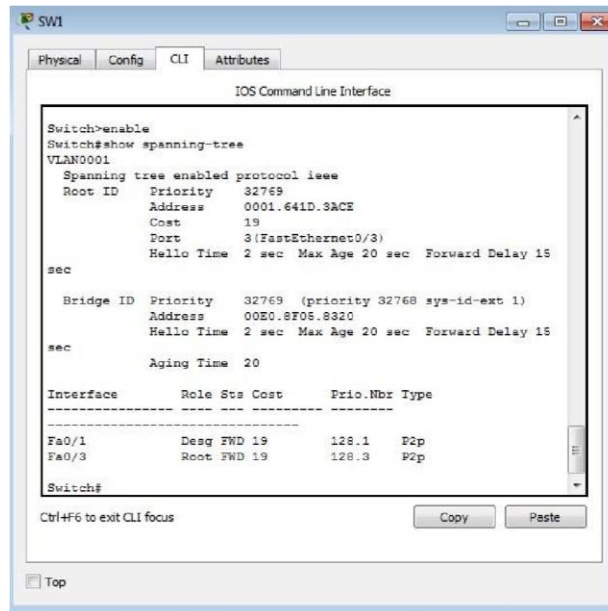


Kegitan 2.



2. Show spanning tree pada masing-masing switch

- SW1



The screenshot shows the CLI of switch SW1. The user has entered the command 'show spanning-tree' in VLAN0001. The output displays the spanning tree enabled protocol ieee, root ID 32769, and bridge ID 32769. The root ID address is 0001.641D.3ACE, and the bridge ID address is 00E0.8F05.8320. The root ID cost is 19, and the bridge ID cost is 19. The root ID hello time is 2 sec, max age is 20 sec, and forward delay is 15 sec. The bridge ID hello time is 2 sec, max age is 20 sec, and forward delay is 15 sec. The aging time is 20. The output also shows a table of interfaces with their roles, statuses, costs, priorities, and types.

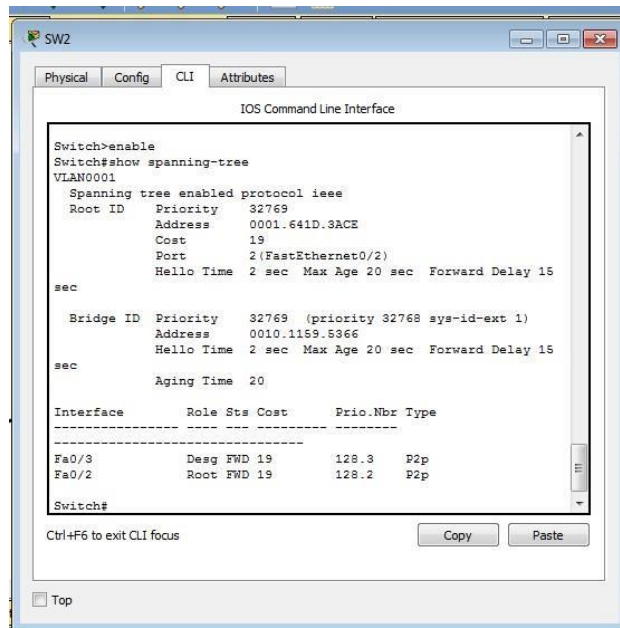
```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0001.641D.3ACE
              Cost        19
              Port        3(FastEthernet0/3)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
    Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
              Address     00E0.8F05.8320
              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
Switch#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

- SW2



The screenshot shows the CLI of switch SW2. The user has entered the command 'show spanning-tree' in VLAN0001. The output displays the spanning tree enabled protocol ieee, root ID 32769, and bridge ID 32769. The root ID address is 0001.641D.3ACE, and the bridge ID address is 0010.1159.5366. The root ID cost is 19, and the bridge ID cost is 19. The root ID hello time is 2 sec, max age is 20 sec, and forward delay is 15 sec. The bridge ID hello time is 2 sec, max age is 20 sec, and forward delay is 15 sec. The aging time is 20. The output also shows a table of interfaces with their roles, statuses, costs, priorities, and types.

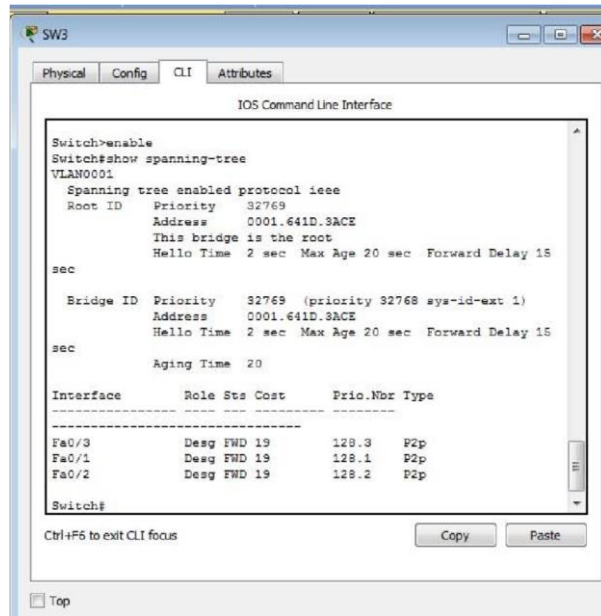
```
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address     0001.641D.3ACE
              Cost        19
              Port        2(FastEthernet0/2)
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
    Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
              Address     0010.1159.5366
              Hello Time  2 sec  Max Age 20 sec  Forward Delay 15
sec
              Aging Time  20
Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/3          Desg FWD 19        128.3   P2p
Fa0/2          Root FWD 19        128.2   P2p
Switch#
```

Ctrl+F6 to exit CLI focus

Copy Paste

Top

- SW3



Tabel SW1

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 00E0.8F05.8320
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW2

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 0010.1159.5366
5.	Cost (0/1; 0/2; 0/3)	0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

Tabel SW3

No	Variabel	Nilai
1.	Root ID	32769, 001.641D.3ACE
2.	Priority	32769
3.	MAC Address	001.641D.3ACE
4.	Bridge ID	32769, 001.641D.3ACE
5.	Cost (0/1; 0/2; 0/3)	0/1 : 19; 0/2 : 19; 0/3 : 19
6.	Hello Time	2 sec
7.	Max Age	20 sec
8.	Forward Delay	15 sec

- Root bridge : SW3
- Designated bridge : - Root port : SW1, SW2
- Designated port : -
- Port kondisi forwarding

- SW1 : Fa 0/1, Fa 0/3
 - SW2 : Fa 0/2, Fa 0/3
 - SW3 : Fa 0/1, Fa 0/2, Fa 0/3
- Port kondisi blocking : -