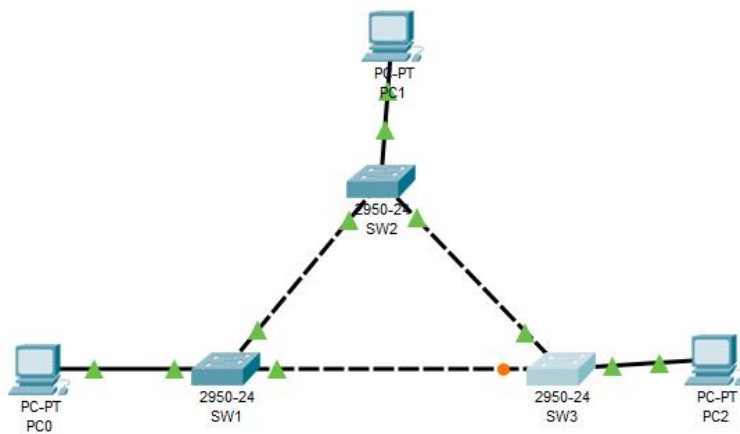NAMA   : MU'TAZ AL FARISI

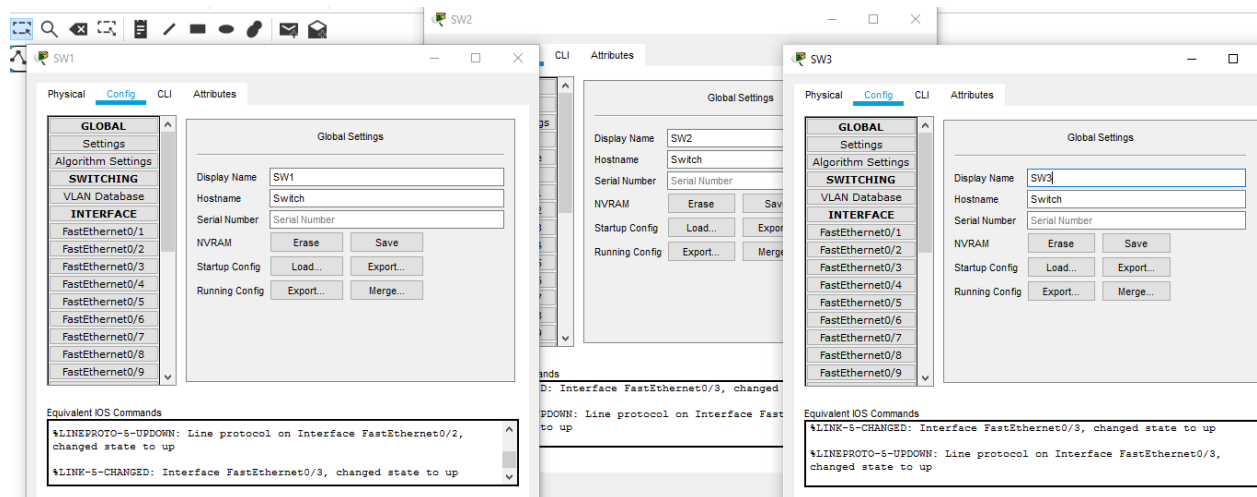NIM   : L200180152
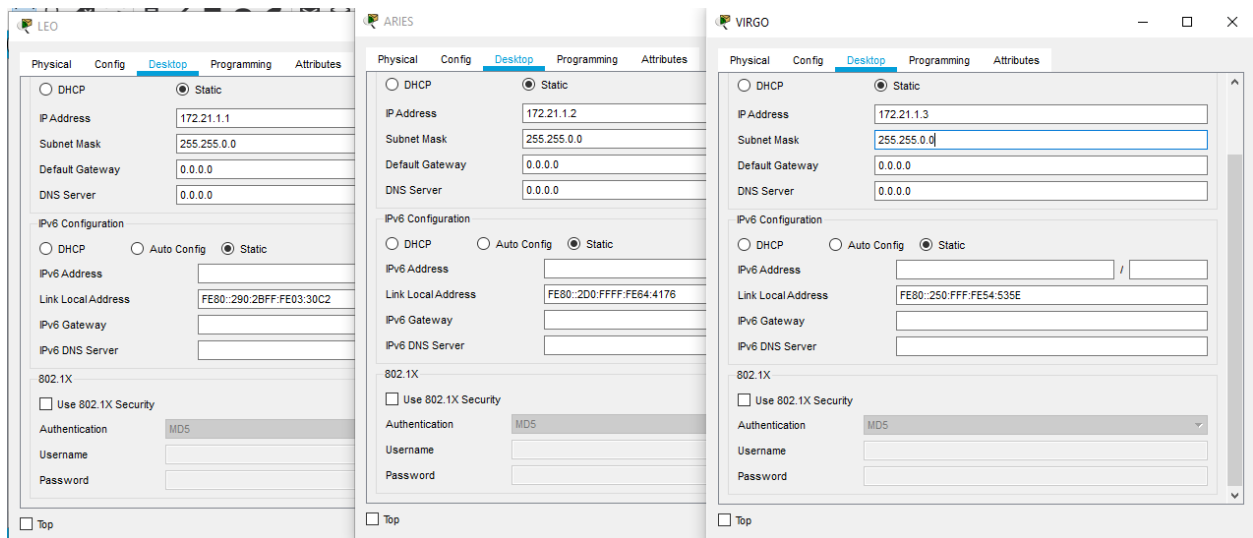
KELAS   : D

MODUL 6

1. Pembuatan topologi
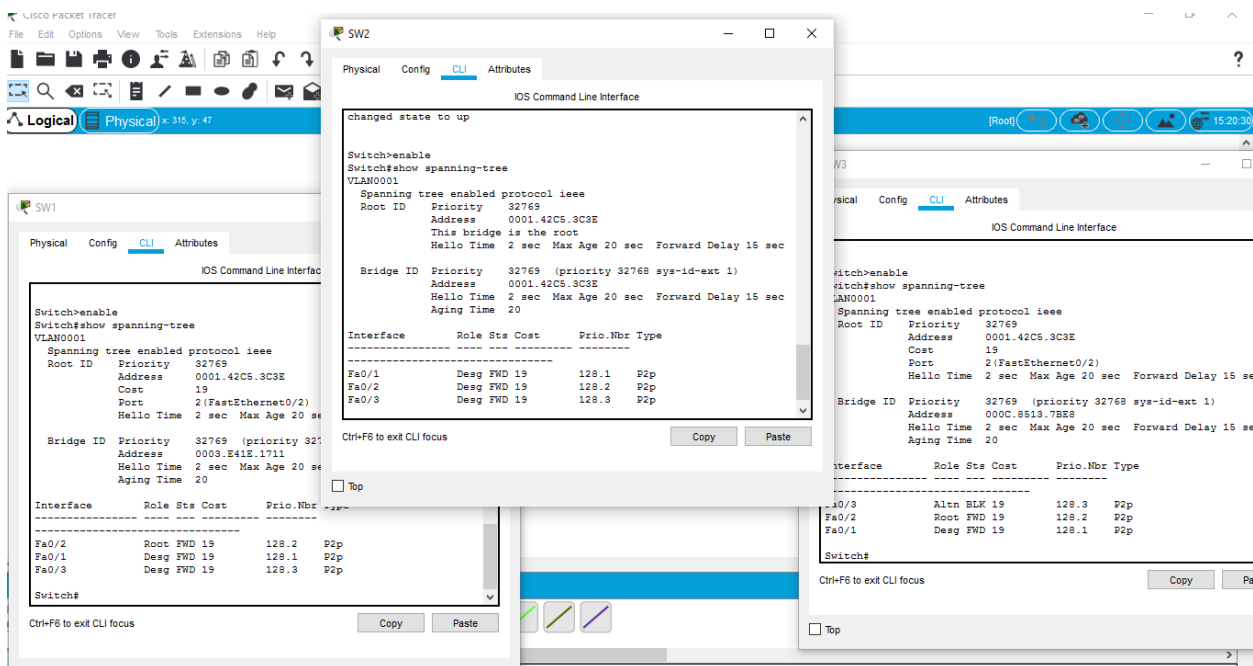

Beri nama switch

Pemberian nama switch mulai dari mode user.

Melihat status STP masing masing switch

Isi table

SW 1

NO	Variabel	Nilai	
1	Root ID		
2	Priority	32769	
3	MAC Adrress	0001.42C5.3C3E	
4	Bridge ID		
5	Cost (0/1;0/2;0/3)	19;19;19	
6	Hello Time	2 sec	
7	MaxAge	20 sec	
8	Forward Delay	15 sec	

SW 2

NO	Variabel	Nilai	
1	Root ID		
2	Priority	32769	
3	MAC Adrress	0001.42C5.3C3E	
4	Bridge ID		
5	Cost (0/1;0/2;0/3)	19;19;19	
6	Hello Time	2 sec	
7	MaxAge	20 sec	
8	Forward Delay	15 sec	

SW 3

NO	Variabel	Nilai	
1	Root ID		
2	Priority	32769	
3	MAC Adrress	0001.42C5.3C3E	
4	Bridge ID		
5	Cost (0/1;0/2;0/3)	19;19;19	
6	Hello Time	2 sec	
7	MaxAge	20 sec	
8	Forward Delay	15 sec	

root bridge = Switch SW 2

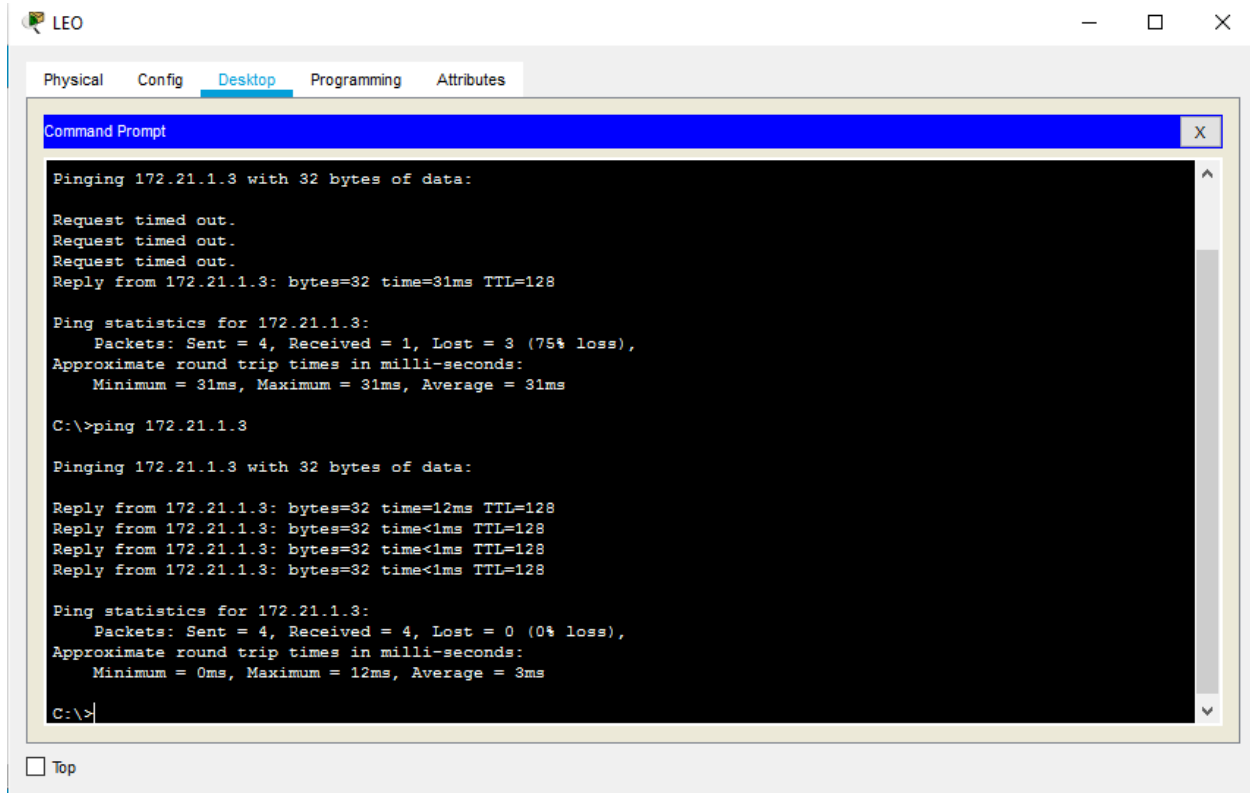designated bridge = Switch SW1 dan Switch SW3

root port = 2(FastEthernet0/2)

designated port = 1(FastEthernet0/1) dan 3(FastEthernet0/3)

forwading = 1(FastEthernet0/1) dan 2(FastEthernet0/2)

Blocking = 3(FastEthernet0/3)

LEO — □ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
Pinging 172.21.1.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Reply from 172.21.1.3: bytes=32 time=31ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),
Approximate round trip times in milli-seconds:
    Minimum = 31ms, Maximum = 31ms, Average = 31ms

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=12ms 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 = 12ms, Average = 3ms

C:\>
```
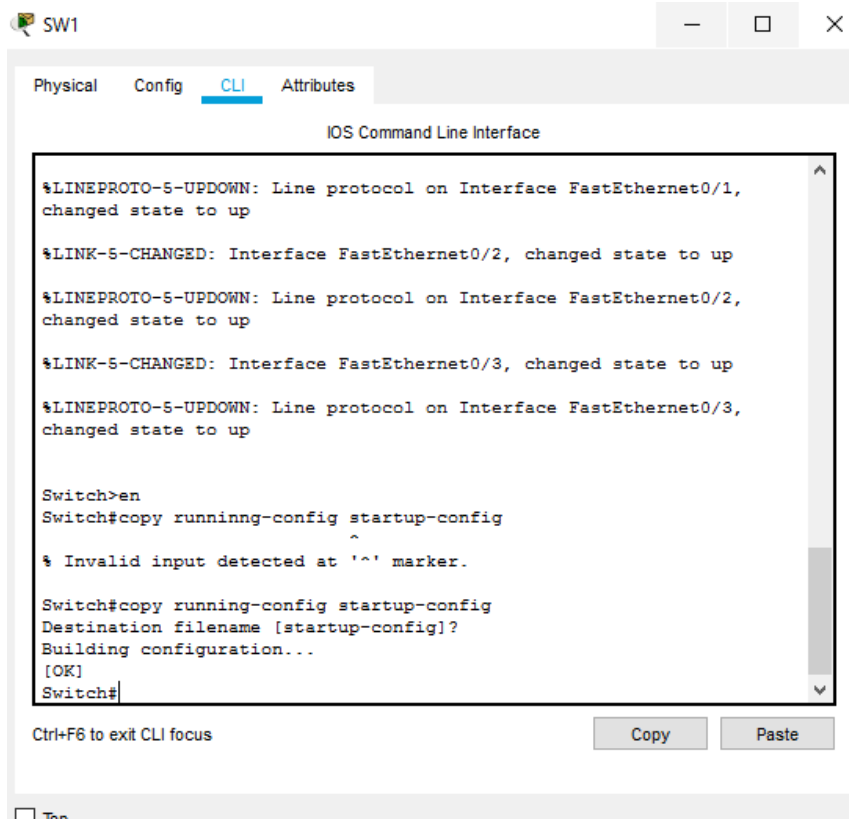
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SW1 — □ ✕

Physical   Config   CLI   Attributes

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2,
changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3,
changed state to up


Switch>en
Switch#copy runninng-config startup-config
                   ^
% Invalid input detected at '^' marker.

Switch#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Switch#
```
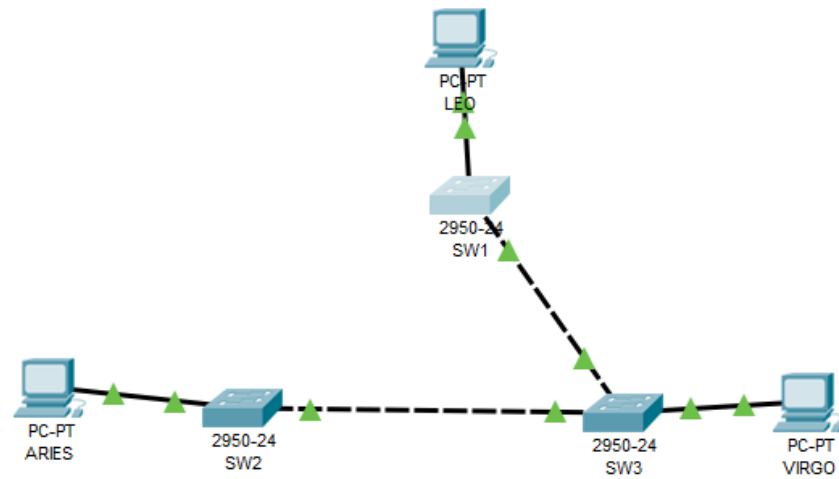
Ctrl+F6 to exit CLI focus   Copy   Paste

☐ Top

2. Kegiatan 2. Topologi 2

SW2

Physical Config CLI Attributes

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2,
changed state to up


Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.42C5.3C3E
             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     0001.42C5.3C3E
             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

Switch#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.42C5.3C3E
             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     000C.8513.7BE8
             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            Root FWD 19        128.3    P2p

Switch#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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SW 1

NO	Variabel	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adrress	0001.42C5.3C3E
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19;19;-
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 2

NO	Variabel	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adrress	0001.42C5.3C3E
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19;19;-
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW 3

NO	Variabel	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adrress	0001.42C5.3C3E
4	Bridge ID	
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec