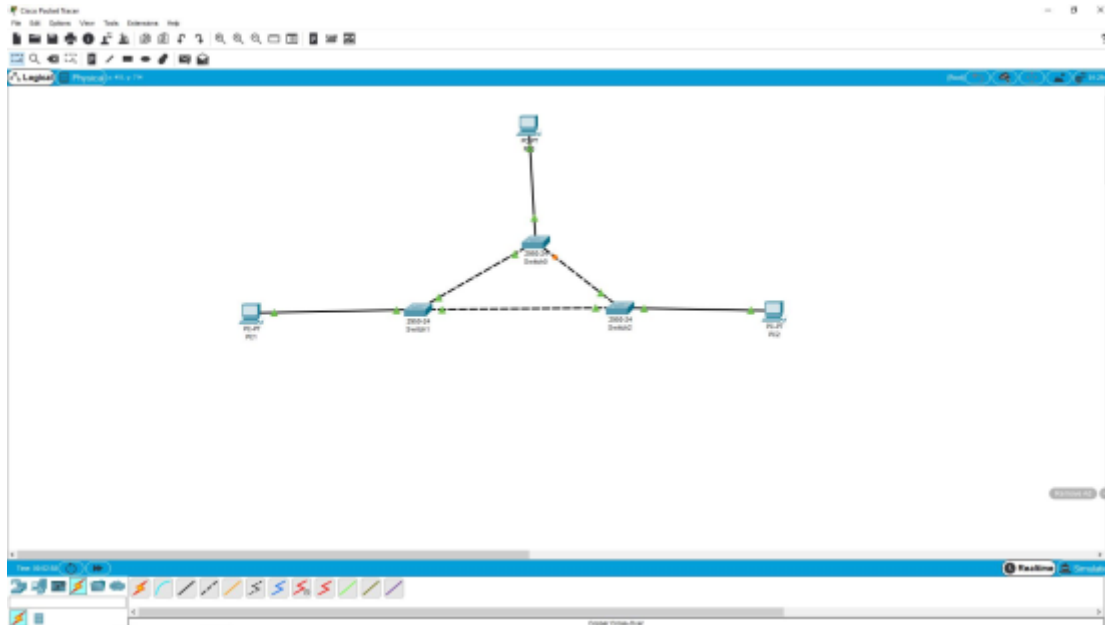Nama   : Hudi Pradjanu

NIM   : L200180128

Kelas : D

Kegiatan 1.Topologi 1

Tugas 1A:

3 Switch diberi nama masing-masing berupa SW1, SW2, SW3

Tugas 2A:

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SW1

SW1(config)#end

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

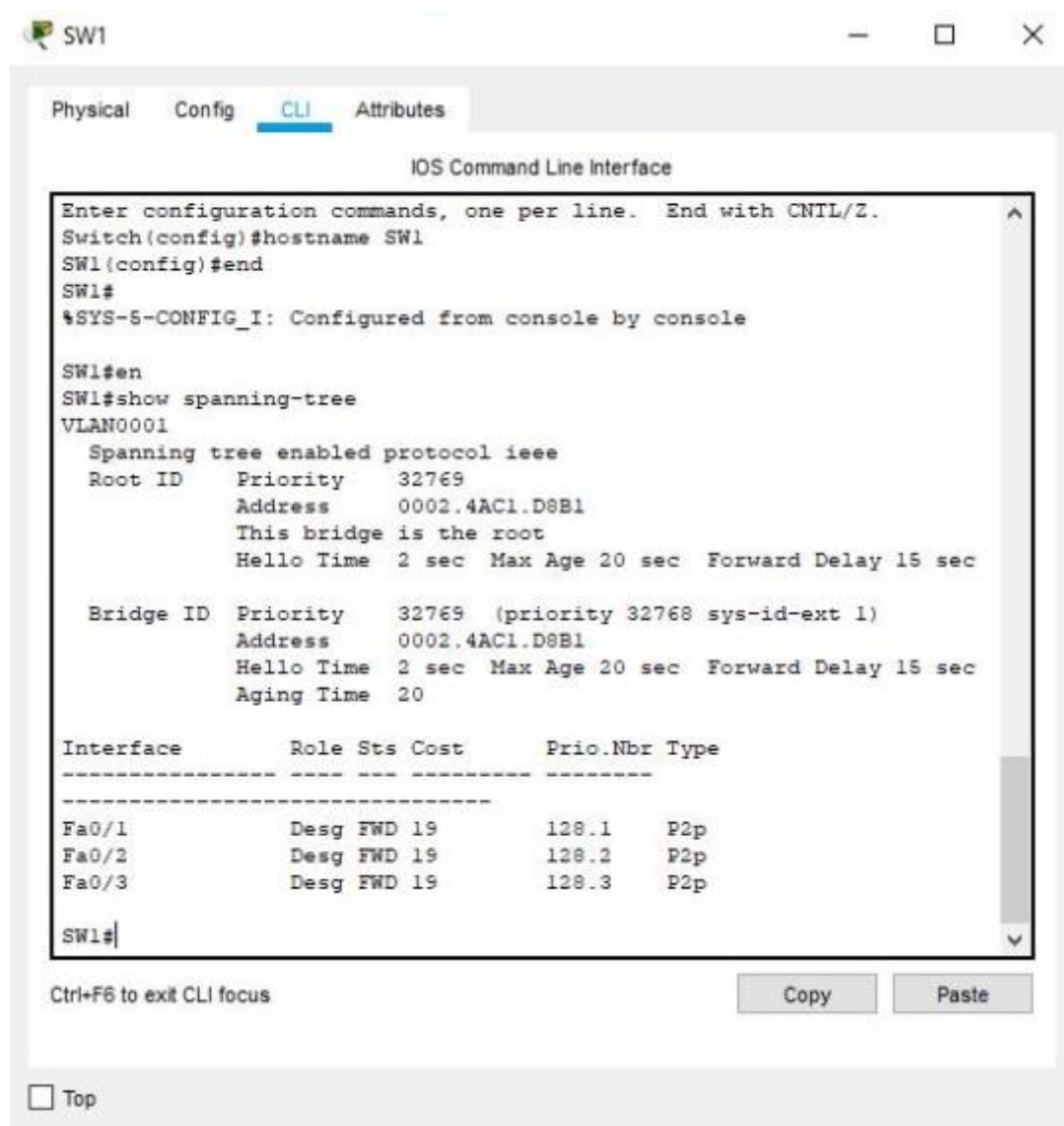Switch(config)#hostname SW2

SW2(config)#end

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SW3

SW3(config)#end

Tugas 4A:

SW1

SW2

SW2 — □ ×

Physical   Config   CLI   Attributes

IOS Command Line Interface

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

SW2#en
SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0002.4AC1.D8B1
             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     000A.419D.D792
             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            Root FWD 19        128.2    P2p
Fa0/3            Desg FWD 19        128.3    P2p

SW2#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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SW3

SW3

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch(config)#hostname SW3
SW3(config)#end
SW3#
%SYS-5-CONFIG_I: Configured from console by console

SW3#en
SW3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0002.4AC1.D8B1
             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     00D0.D36E.C222
             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
Fa0/3            Altn BLK 19        128.3    P2p

SW3#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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Tugas 4B:

SW1

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
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

SW2

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
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

SW3

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
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

Tugas 4C:

Root bridge : SW1

Designated bridge : SW2

Root port : SW2 (Fa0/1), SW3(Fa0/1)

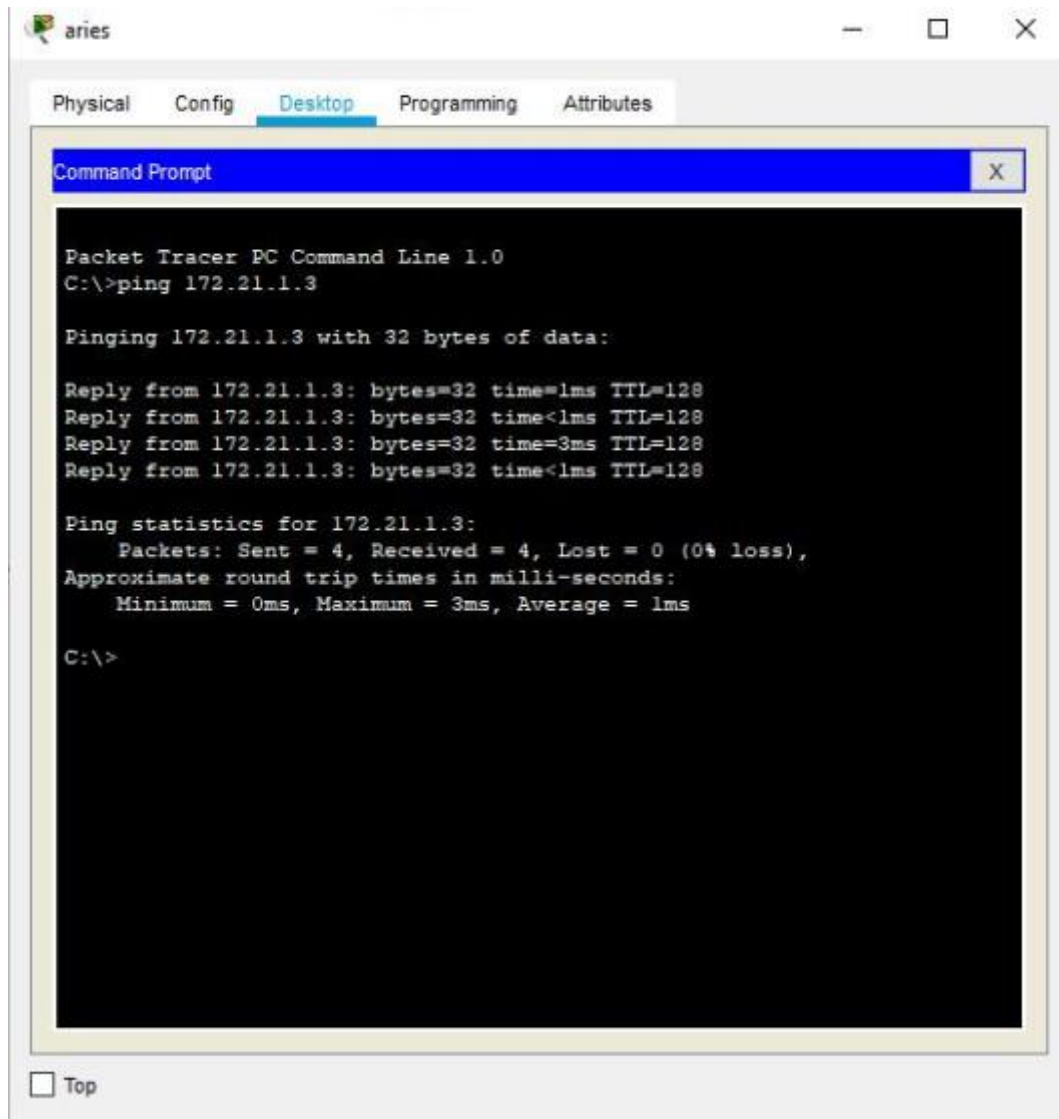Designated port : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/2;Fa0/3), SW3(Fa0/3)

Tugas 4D:

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

Tugas 5A:

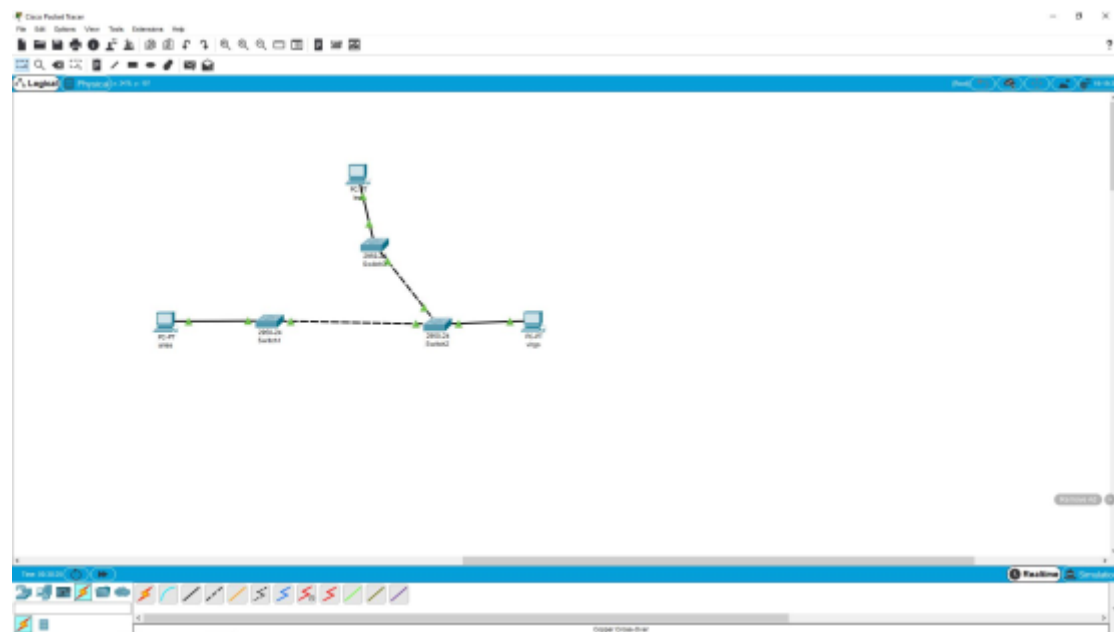Double klik pc, lalu ke desktop, kemudian ke command prompt

Tugas 6A:

SW2>en

SW2#write

Building configuration...

[OK]

Kegiatan 2.Topologi 2

Switch 1

Switch1   —   □   ×

Physical   Config   CLI   Attributes

IOS Command Line Interface

Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Switch1
Switch1(config)#end
Switch1#
%SYS-5-CONFIG_I: Configured from console by console

Switch1#en
Switch1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID   Priority   32769
             Address   0001.6477.92DB
             Cost   38
             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   00D0.D350.B09B
             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
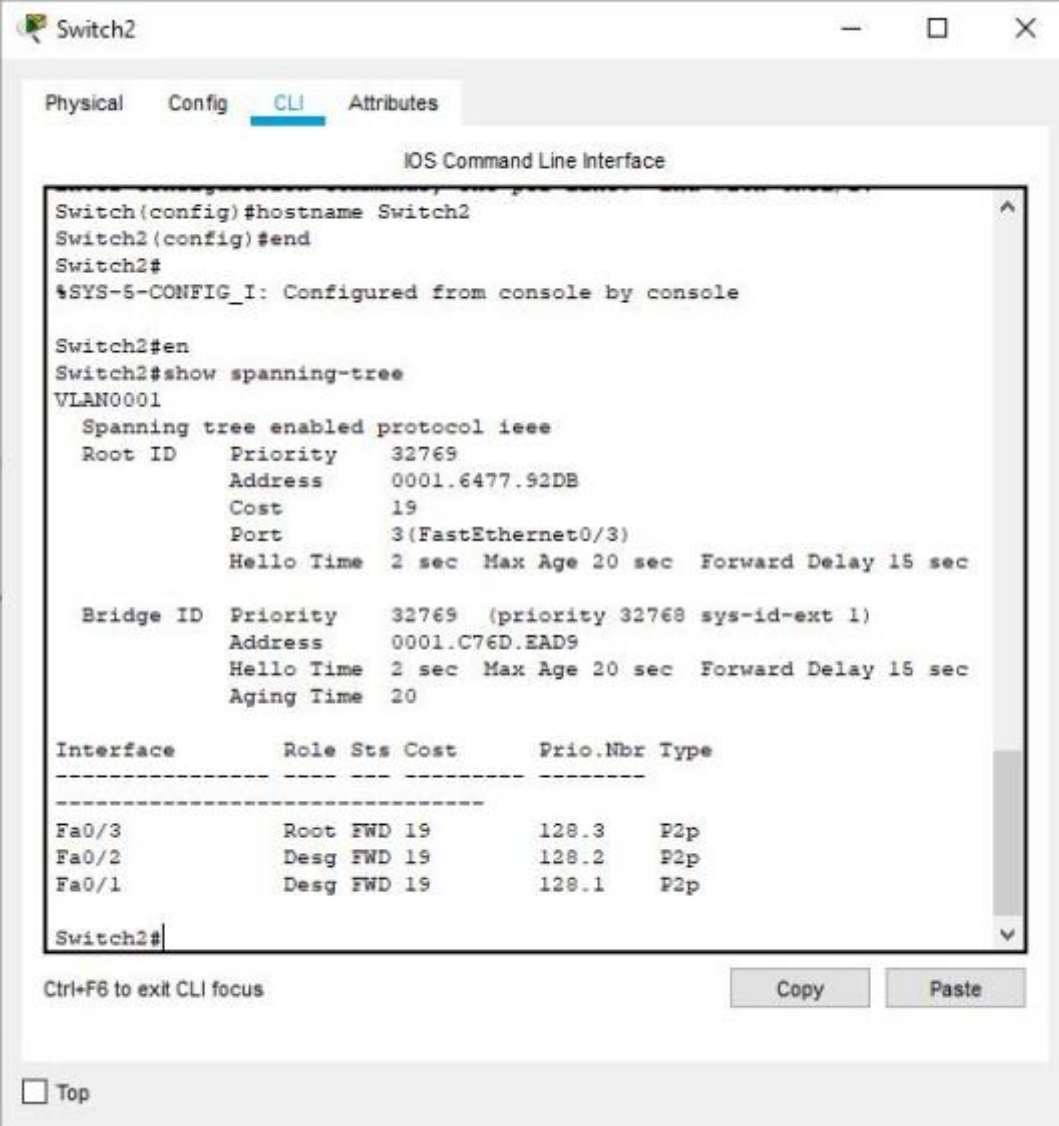
Switch1#

Ctrl+F6 to exit CLI focus   Copy   Paste

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Switch 2

Switch2

Physical   Config   CLI   Attributes

IOS Command Line Interface

```
Switch(config)#hostname Switch2
Switch2(config)#end
Switch2#
%SYS-5-CONFIG_I: Configured from console by console

Switch2#en
Switch2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.6477.92DB
             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     0001.C76D.EAD9
             Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time  20

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

Switch2#
```

Ctrl+F6 to exit CLI focus   Copy   Paste

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Switch 3

Switch1

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
5	Cost (0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Switch2

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
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

Switch3

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
5	Cost (0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Root bridge : SW1

Designated bridge : SW3 Root port : SW2 (Fa0/1), SW3(Fa0/2)

Designated port : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/3), SW3(Fa0/2;Fa0/3)

Forwarding : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/1;Fa0/2;Fa0/3),

SW3(Fa0/1;Fa0/2;Fa0/3)

Blocking : None