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Praktikum Jaringan & Komputer Modul 6 Kegiatan 1

The image displays two screenshots of the Cisco Packet Tracer interface, showing a network configuration for Spanning Tree Protocol (STP) on a switch.

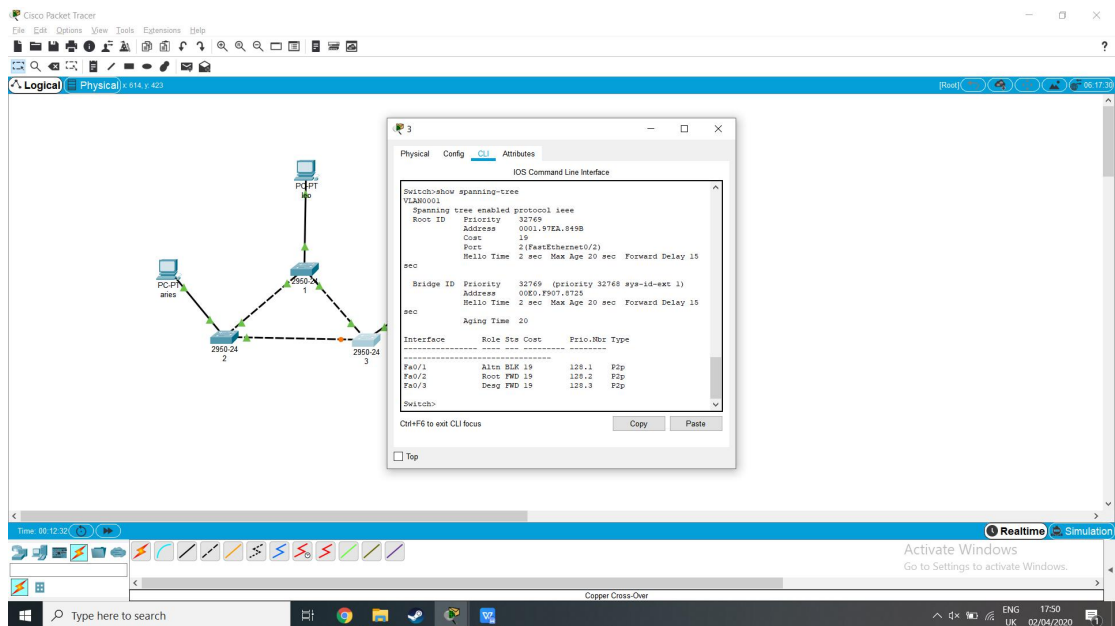
Top Screenshot: The network diagram shows a central switch (S2950-24) connected to two PCs (PC1 and PC2) and two other switches (S2950-24 and S2950-24). The switch configuration window is open, showing the following commands:

```
Switch>show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32769
           Address    0001.97EA.8498
           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    0001.97EA.8498
           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
Fa0/3       Desg FWD 19        128.3   P2p
Fa0/1       Root FWD 19        128.1   P2p
```

Bottom Screenshot: The network diagram is the same, but the switch configuration window shows additional commands for the Fa0/1 interface:

```
Switch>
Switch>interface Fa0/1
Switch>spanning-tree cost 1
Switch>
```

The bottom screenshot also shows the Windows taskbar with the time 17:49 and date 02/04/2020.



SW 1

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.97EA.849B
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 Address	0001.97EA.849B
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 Address	0001.97EA.849B
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 1

Fa0/1 = Designated

Fa0/2 = Designated

Fa0/3 = Designated

SW 2

Fa0/1 = Root

Fa0/2 = Designated

Fa0/3 = Designated

SW 3

Fa0/1 = Alternatif

Fa0/2 = Root

Fa0/3 = Designated

SW 1

Fa0/1 = Forward

Fa0/2 = Forward

Fa0/3 = Forward

SW 2

Fa0/1 = Forward

Fa0/2 = Forward

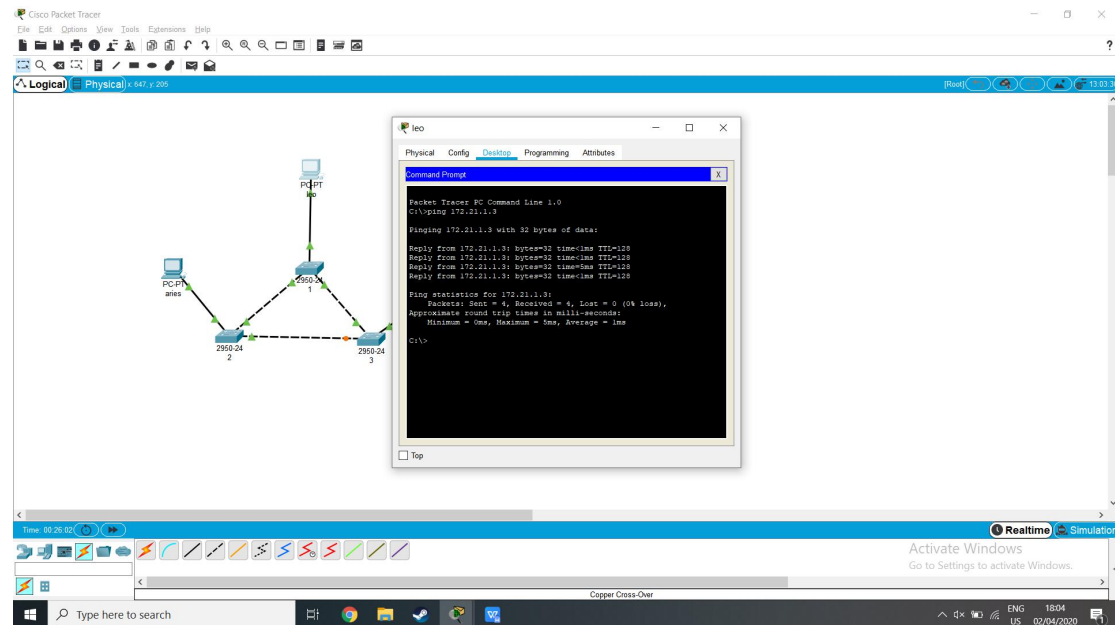
Fa0/3 = Forward

SW 3

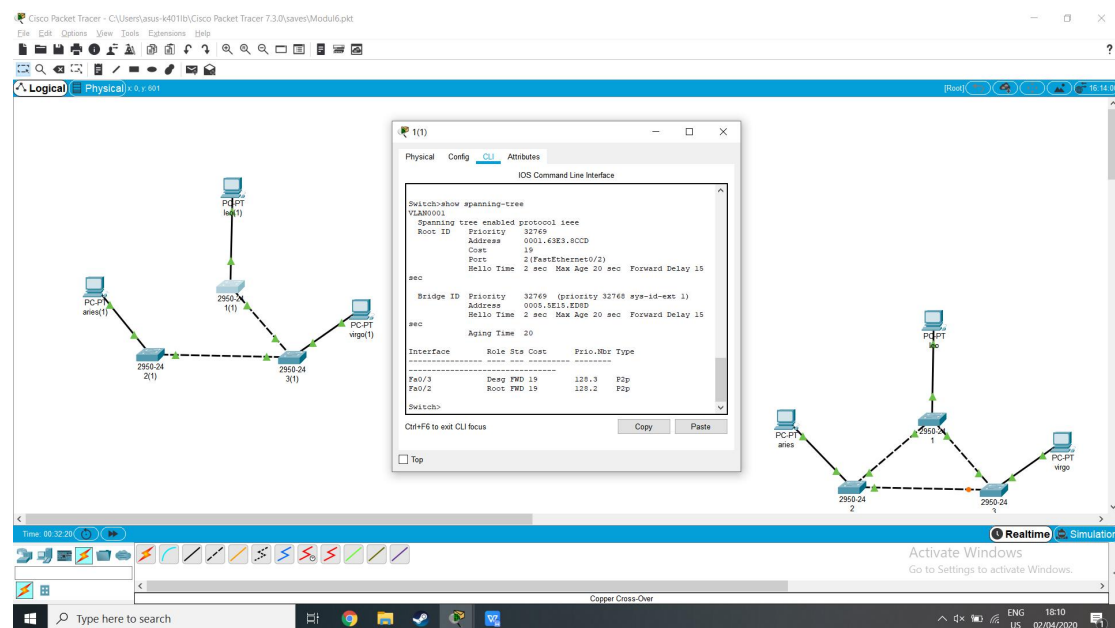
Fa0/1 = Block

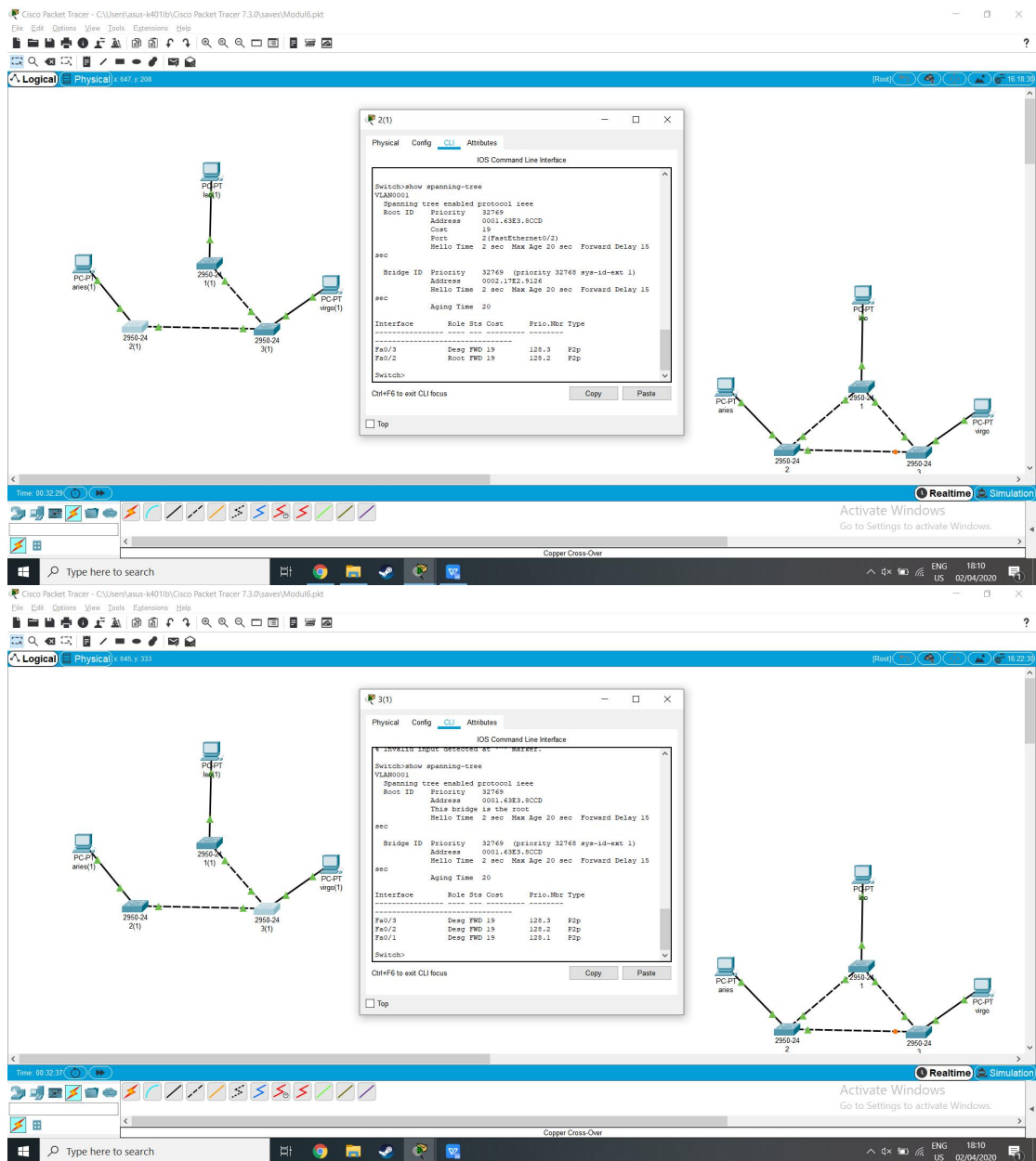
Fa0/2 = Forward

Fa0/3 = Forward



Kegiatan 2





SW 1

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0001.63E3.8CCD
4	Bridge ID	-
5	Cost(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 Address	0001.63E3.8CCD
4	Bridge ID	-
5	Cost(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 Address	0001.63E3.8CCD
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 1

Fa0/2 = Root

Fa0/3 = Designated

SW 2

Fa0/2 = Root

Fa0/3 = Designated

SW 3

Fa0/1 = Designated

Fa0/2 = Designated

Fa0/3 = Designated

SW 1

Fa0/2 = Forward

Fa0/3 = Forward

SW 2

Fa0/2 = Forward

Fa0/3 = Forward

SW 3

Fa0/1 = Forward

Fa0/2 = Forward

Fa0/3 = Forward