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Kelas : E

Praktikum Jaringan & Komputer Modul 6

Kegiatan 1

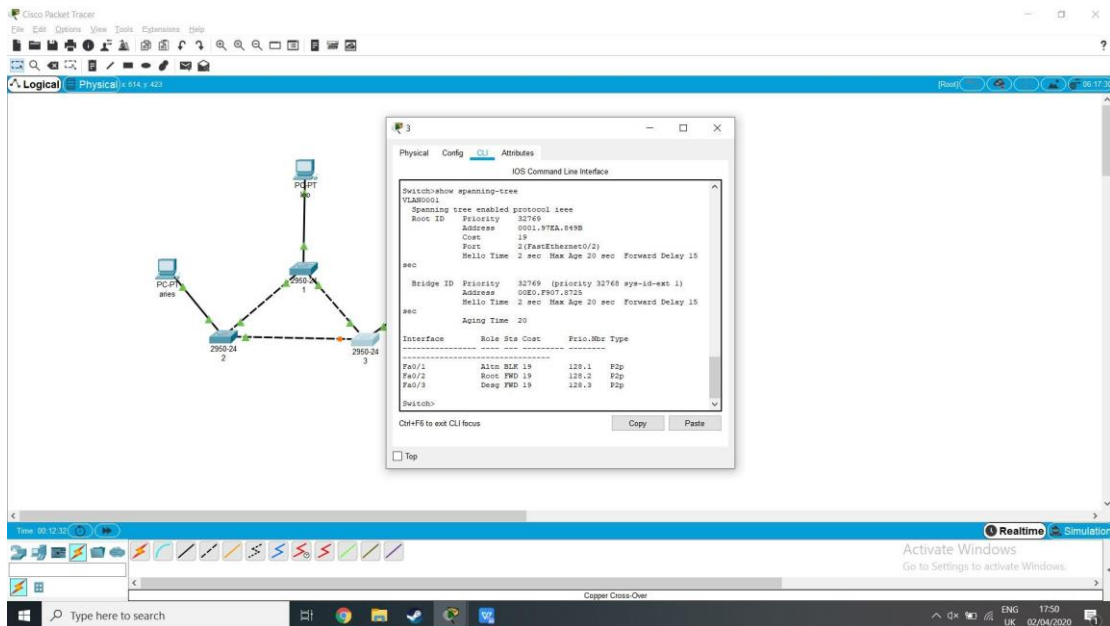
The image displays two screenshots of the Cisco Packet Tracer interface, showing a network configuration for Spanning Tree Protocol (STP) on a switch. The network topology consists of a central switch (2950-24) connected to two PCs (PC1 and PC2) and two other switches (2950-24 and 2950-24). The switch is configured with STP, and the configuration is shown in the CLI window.

CLI Configuration:

```
Switch>show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID    Priority    32768
Address    0001.97EA.6498
This Bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
Bridge ID  Priority    32768 (priority 32768 sys-id-ext 1)
Address    0001.97EA.6498
Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
Aging Time 20
Interface Role Sts Cost Prio.Nbr Type
-----
Fa0/20 Desg FWD 19 128.2 P2p
Fa0/9 Desg FWD 19 128.3 P2p
Fa0/1 Root FWD 19 128.1 P2p
Switch>
```

Network Topology:

- Central switch (2950-24) connected to two PCs (PC1 and PC2) and two other switches (2950-24 and 2950-24).
- The switch is configured with STP, and the configuration is shown in the CLI window.



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

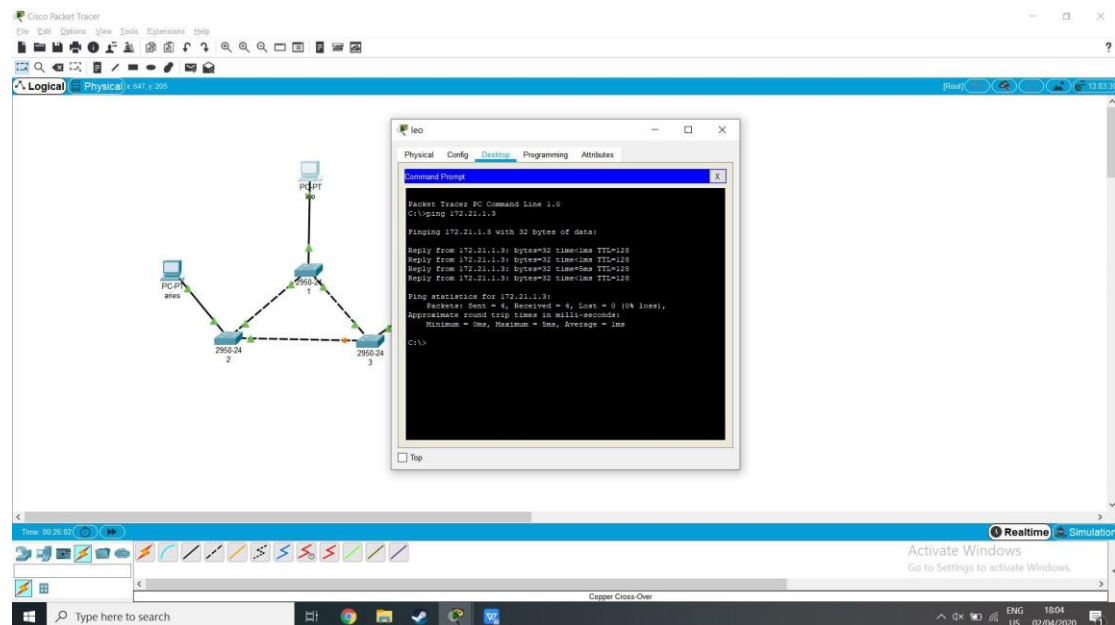
Fa0/3= Forward

SW 3

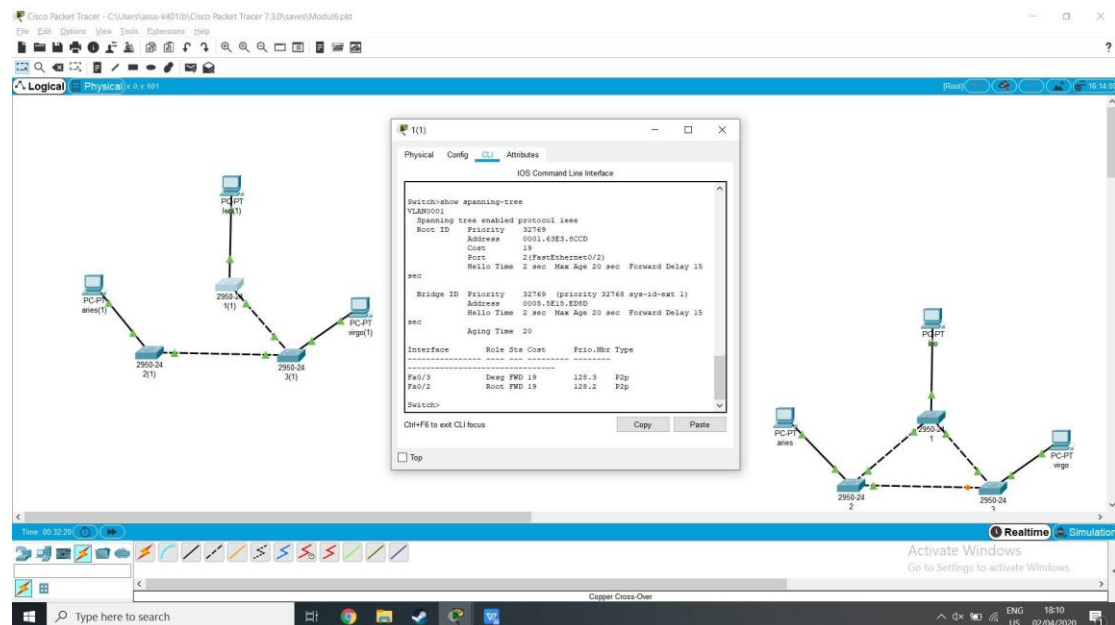
Fa0/1 = Block Fa0/2=

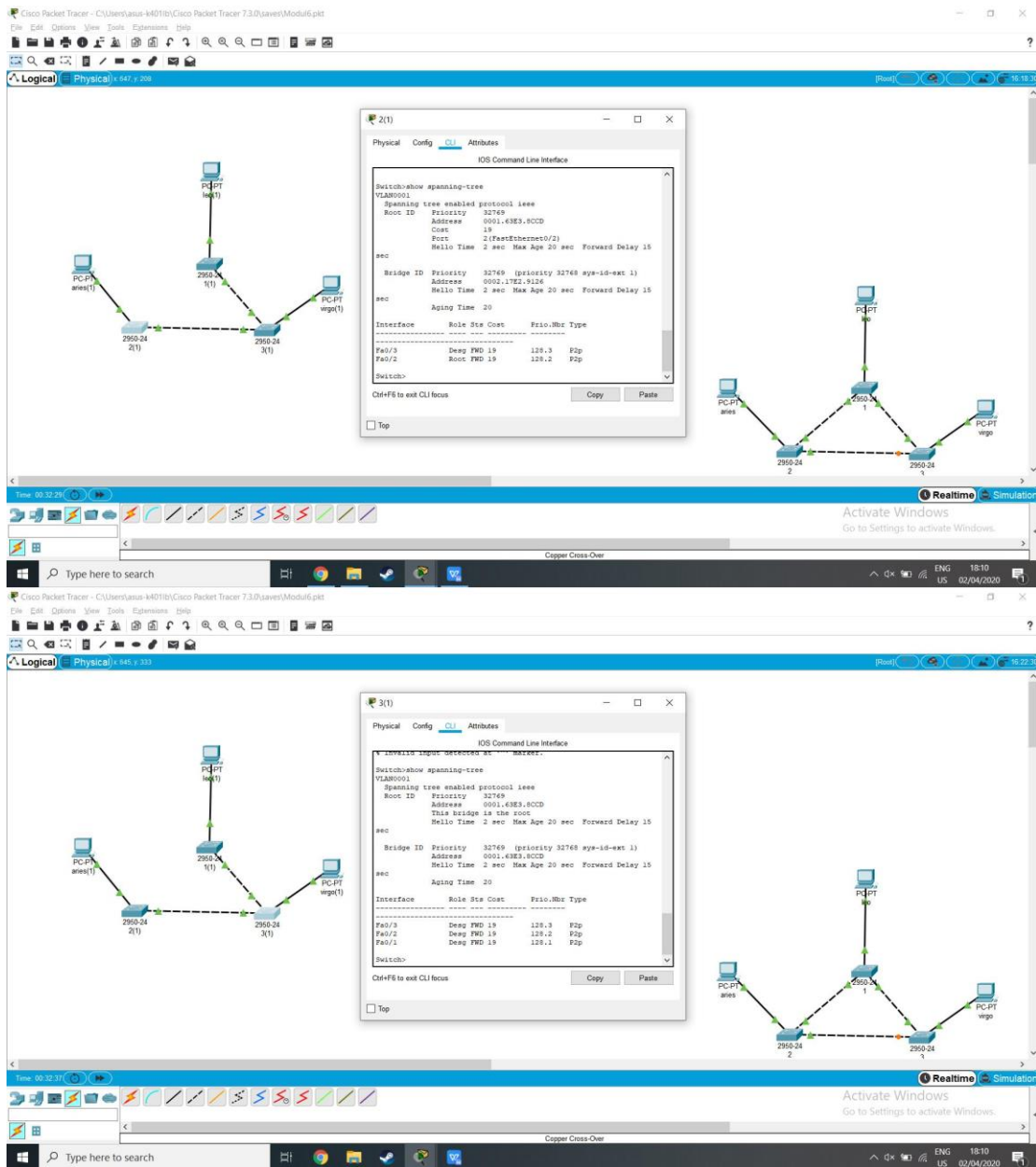
Forward Fa0/3=

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