

Tugas 4a. Capture masing-masing tampilan status STP

The image displays three screenshots of the Packet Tracer interface, showing the status of Spanning Tree Protocol (STP) on three different switches (SW1, SW2, and a third switch). Each screenshot shows the output of the 'show spanning-tree' command for VLAN0001.

SW1 Output:

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address    0040.0B33.4D1A
             This bridge is the root
             Hello Time 2 sec Max Age 20 sec
  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
             Address    0040.0B33.4D1A
             Hello Time 2 sec Max Age 20 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	Desg	FWD	19	128.3	P2p

SW2 Output:

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address    0040.0B33.4D1A
             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    00E0.A3CC.2698
             Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
             Aging Time 20
```

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

Third Switch Output:

```
Switch>en
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address    0040.0B33.4D1A
             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    00D0.BC10.D61E
             Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
             Aging Time 20
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Root	FWD	19	128.3	P2p	
Desg	FWD	19	128.1	P2p	
Desg	FWD	19	128.2	P2p	

Tugas4B Isikan Tabel yg merujuk pada tiap-tiap switch

Switch1

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	0040.0B33.4D1A
4	Bridge ID	-
5	Cost	-
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Switch2

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00E0.A3CC.2698
4	Bridge ID	-
5	Cost	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Switch3

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.BC10.D51E
4	Bridge ID	32769
5	Cost	19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Tugas4C menentukan switch dan port :

- Menjadi root bridge = SW1
- Menjadi designated bridge = SW3
- Menjadi root port = 0/2 & 0/3
- Menjadi designated port= 0/1 & 0/2

Tugas4D Port mana saja :

- Berada pada keadaan forwarding =SW3 Fa0/1 , 0/2 , 0/3 | SW2 Fa0/2 , 0/1 | SW1 Fa0/3 , 0/2 , 0/1
- Berada pada keadaan blocking = SW4 Fa0/3

Tugas5A Tulis langkah melakukan perintah ping

ketik ping lalu dstaddress pada commandline atau terminal

Tugas6A Tulis langkah menyimpan konfigurasi jaringan

ketik write pada commandline

Tugas9A Kerjakan tugas seperti pada tugas langkah lab.4

