Nama : REZA MIFTAHUL RIZKI

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Kelas : C

KEGIATAN 1

Tugas 1A:

1. Pilih pada bagian Network Devices → Switches → pilih tipe 2950-24 → letakkan 3 switch

2. Pilih pada bagian End Devices → Generic Computer → letakkan 3 computer

3. Hubungkan dengan kabel. Pilih connections pilih gambar petir lalu sambungan *Tugas 2A:*

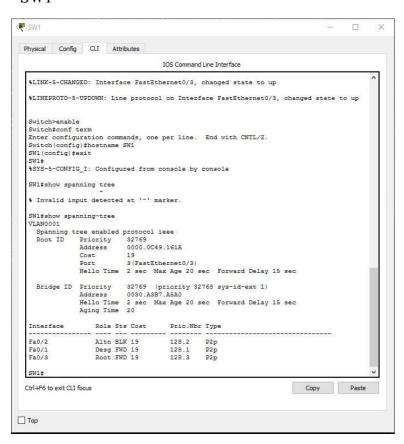
 \rightarrow Switch 1

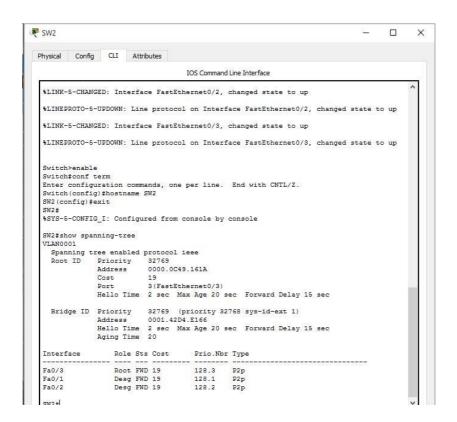
Switch>enable Switch#conf term Switch(config)#hostname SW1 SW1(config)#

Begitupun dengan switch yang lain

Tugas 4A:

- SW1





-SW3

```
SW3
                                                                                                         Physical Config CLI Attributes
                                             IOS Command Line Interface
    LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetO/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-S-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
    Switch#conf term
   Enter configuration commands, one per line. End with CNTL/Z.
   Switch(config) #hostname SW3
SW3(config) #exit
SW3;
%SYS-5-CONFIG_I: Configured from console by console
   SW3#show spanning-tree
VLAN0001
     Spanning tree enabled protocol ieee
                  Priority 32769
Address 0000.0C49.161A
This bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
      Root ID
     Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)
Address 0000.0C49.161A
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 20
                                                Prio.Nbr Type
                        Desg FWD 19
   Fa0/1
                                                128.1
    Fa0/2
Fa0/3
    SW3#
```

Tugas 4B:

-SW1

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0030.A3B7.A5A0
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

-SW2

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0001.42D4.E166
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

- SW3

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0000.0C49.161A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

Tugas 4C:

- root bridge: SW3

- designed bridge: SW2

- root port: SW1(fa 0/3) dan SW2(fa 0/3)

- designed port: SW1(fa 0/1), SW2(fa 0/1; fa 0/2), dan SW3(fa 0/1; fa 0/2; fa 0/3)

Tugas 4D:

- fordwarding:
 - SW1(fa 0/1; fa 0/3)
 - SW2(fa 0/1; fa 0/2; fa 0/3)
 - SW3(fa 0/1; fa 0/2; fa 0/3)
- blocking
 - SW1(fa 0/2)

Tugas 5A:

- 1. Klik pada pc leo
- 2. Pilih tab desktop
- 3. Pilih command prompt
- 4. Tuliskan ping 172.21.1.3

```
Leo
                                                                                               Physical
           Config
                    Desktop
                              Programming
                                            Attributes
  Command Prompt
                                                                                                   X
   Packet Tracer PC Command Line 1.0
   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=37ms TTL=128
   Reply from 172.21.1.3: bytes=32 time=3ms 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 = 37ms, Average = 10ms
   C:\>
```

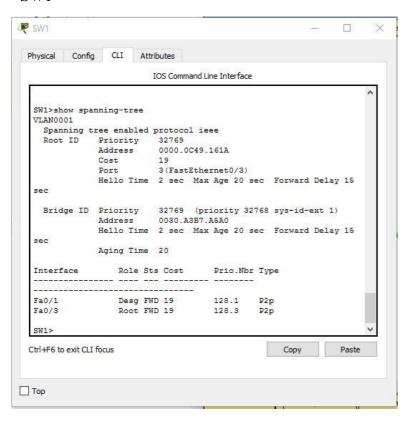
Tugas 6A:

- 1. Pilih file
- 2. Pilih save
- 3. Beri nama lab2 yang akan berkestensi sesuai aplikasi yang digunakan

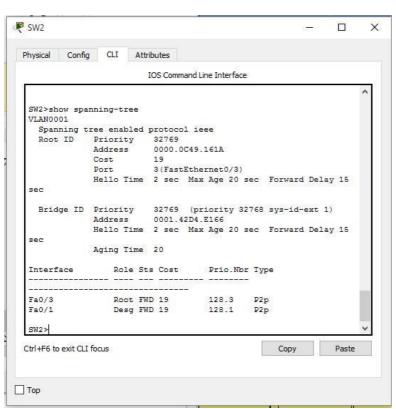
Kegiatan 2:

Tugas 9A:

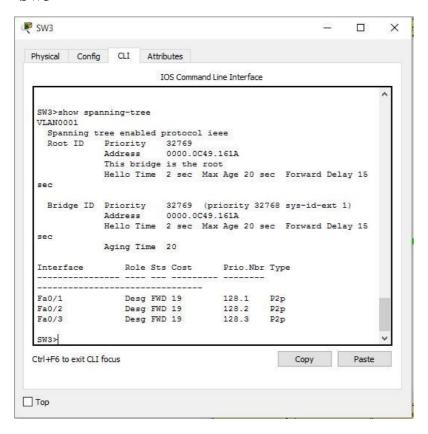
- SW1



-SW2



-SW3



-SW1

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0030.A3B7.A5A0
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

-SW2

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0001.42D4.E166
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

- SW3

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32768
3	MAC Address	0000.0C49.161A
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Fordward Delay	15 sec

- root bridge: SW3

- designed bridge: SW1, SW2

- root port: SW1(fa~0/3)~dan~SW2(fa~0/3)

- designed port: SW1(fa 0/1), SW2(fa 0/1), dan SW3(fa 0/1; fa 0/2; fa 0/3)

- fordwarding:

• SW1(fa 0/1; fa 0/3)

• SW2(fa 0/1; fa 0/3)

• SW3(fa 0/1; fa 0/2; fa 0/3)

- blocking: tidak ada yang terblock