

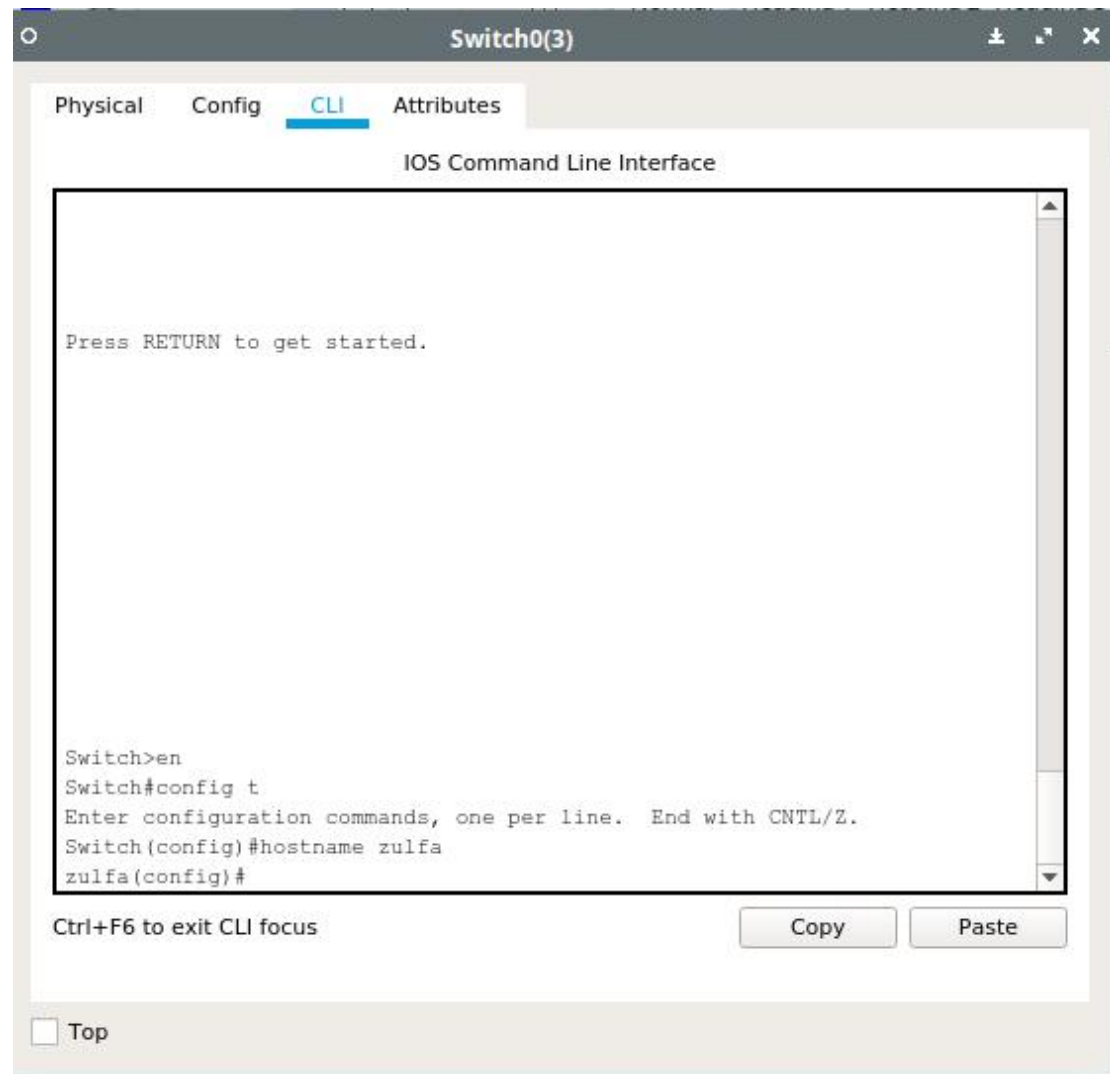
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## LAPORAN PRAKTIKUM JARINGAN KOMPUTER TUGAS MODUL KE 5

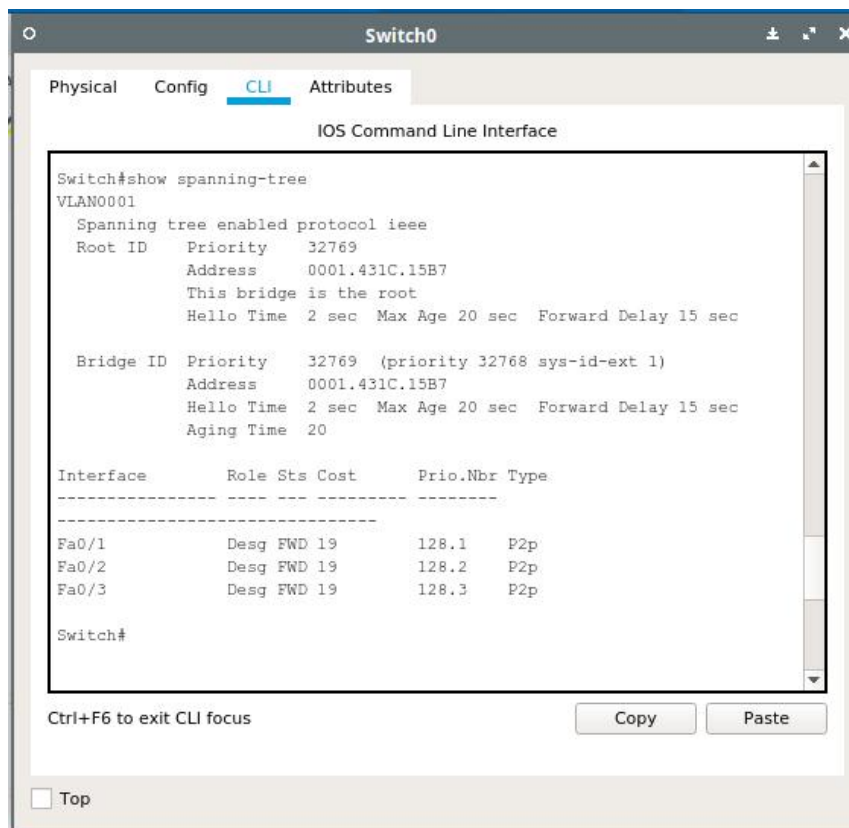
### 1A. Pembuatan topologi

Jawab : Pembuatan topologi di packet tracer dimulai dengan menentukan device apa yang akan digunakan di topologi tersebut, kemudian susun perangkat tersebut sesuai dengan konsep topologi awal dan yang terakhir sambungkan perangkat-perangkat tersebut dengan menggunakan kabel yang telah disediakan oleh packet tracer.

### 2A. Langkah pemberian nama Switch



#### 4A. Capture status STP pada masing masing switch



Switch0

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.431C.15B7
            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     0001.431C.15B7
            Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time 20

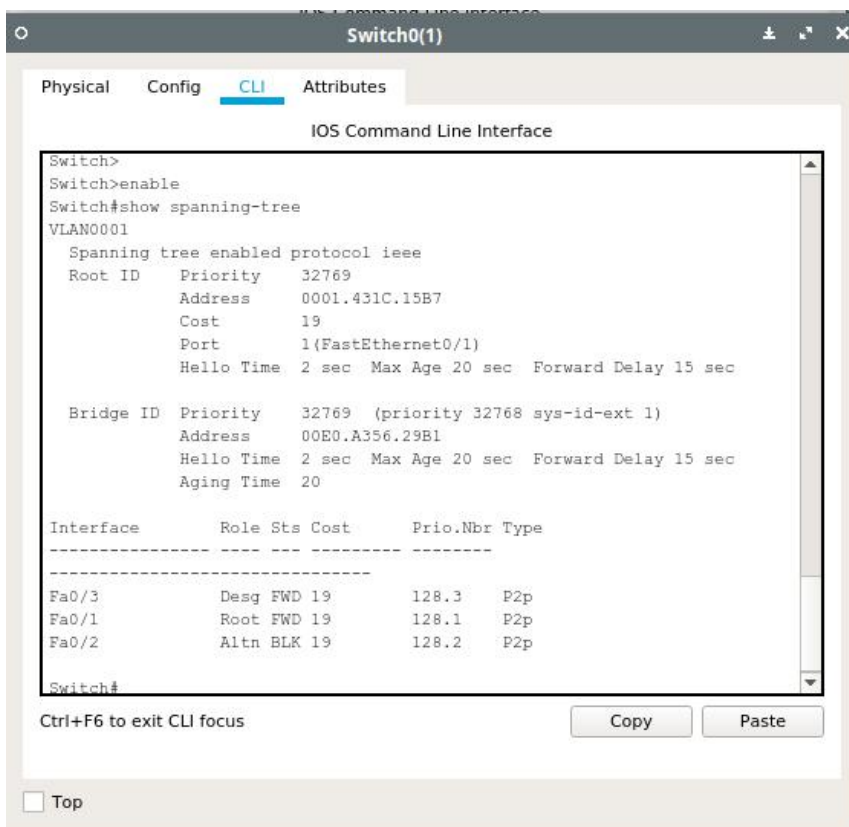
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/1        Desg FWD 19       128.1    P2p
Fa0/2        Desg FWD 19       128.2    P2p
Fa0/3        Desg FWD 19       128.3    P2p

Switch#
```

Ctrl+F6 to exit CLI focus

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Switch0(1)

Physical Config **CLI** Attributes

IOS Command Line Interface

```
Switch>
Switch>enable
Switch#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.431C.15B7
            Cost         19
            Port         1(FastEthernet0/1)
            Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address     00E0.A356.29B1
            Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time 20

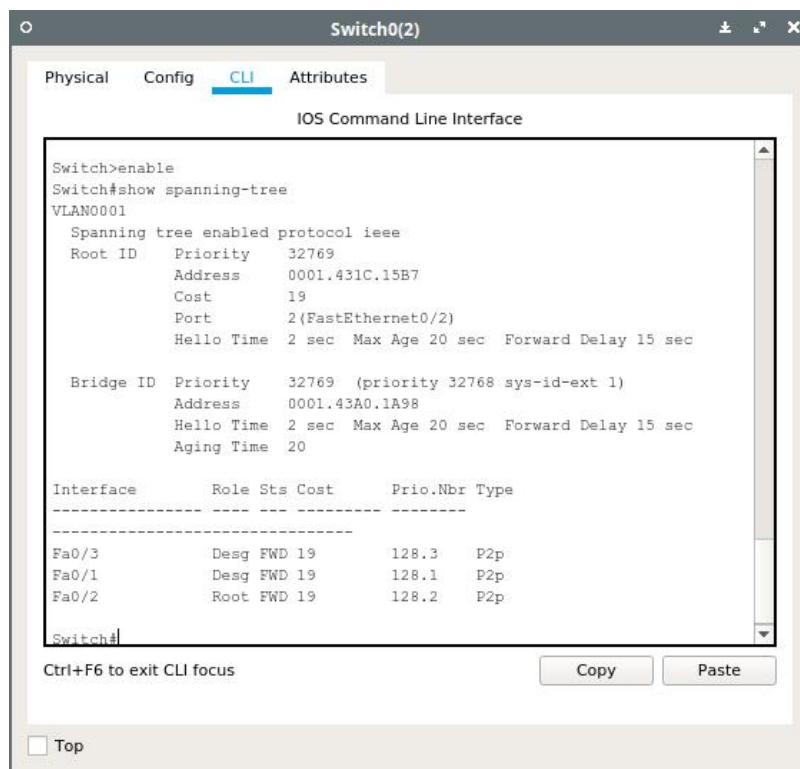
Interface    Role Sts Cost      Prio.Nbr Type
-----
Fa0/3        Desg FWD 19       128.3    P2p
Fa0/1        Root FWD 19       128.1    P2p
Fa0/2        Altn BLK 19       128.2    P2p

Switch#
```

Ctrl+F6 to exit CLI focus

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#### 4B. Keterangan pada tiap-tiap switch

##### SW 1

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.431C.15B7
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

##### SW2

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.431C.15B7
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

##### SW3

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.431C.15B7
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

**4C. Root Bridge :** Switch1 Port fa0/2 , fa0/3

**Designated bridge:** Switch2 port fa0/2 dan Switch3 port: fa0/1, fa0/2

**Root Port :** Switch 2 port 0/2 dan Switch 3 port fa0/2

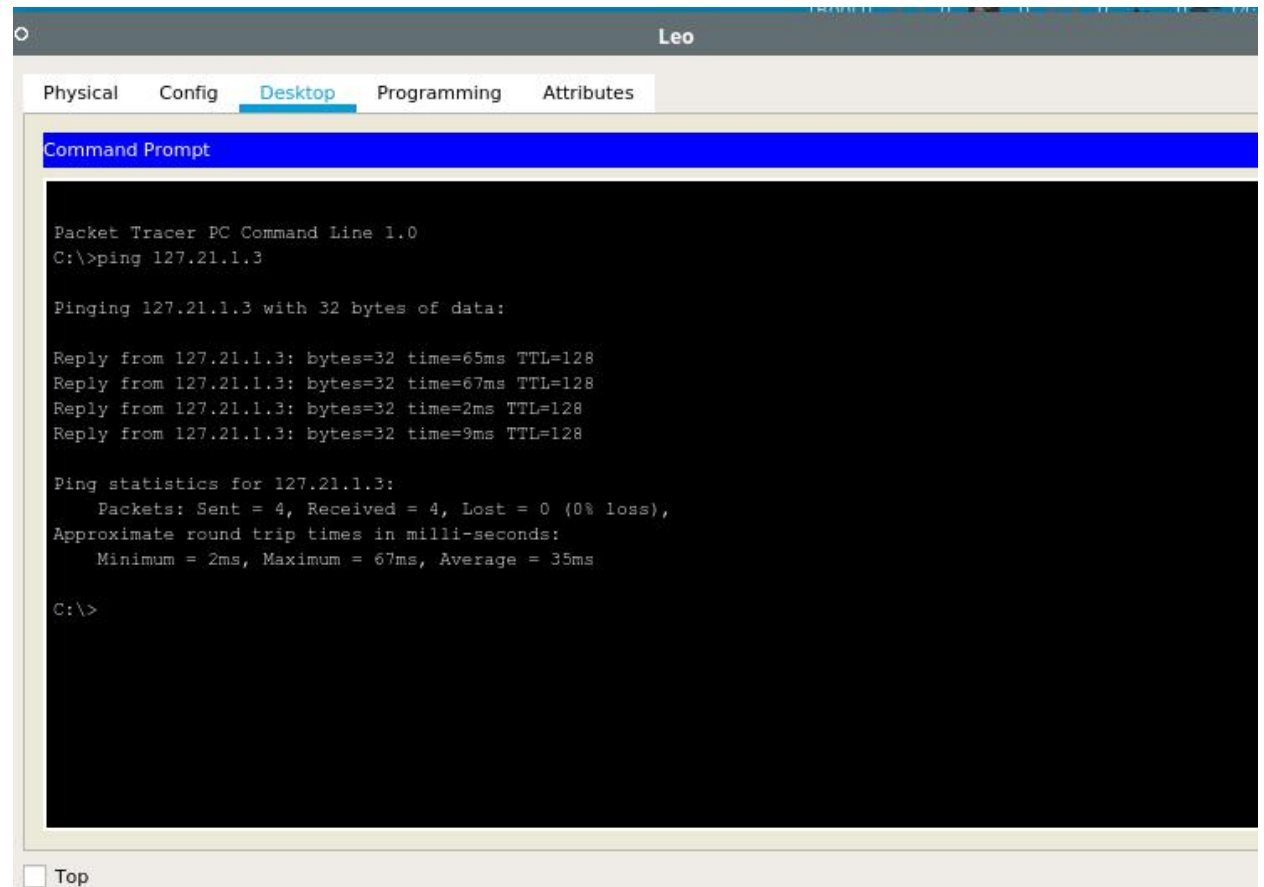
**Designated port:** Switch3 port fa0/1 dan Switch 2 port fa0/2

**4D. Forwarding :** fa0/1, fa0/2, fa0/3, fa0/2, fa0/1

**Bloking :** fa0/2

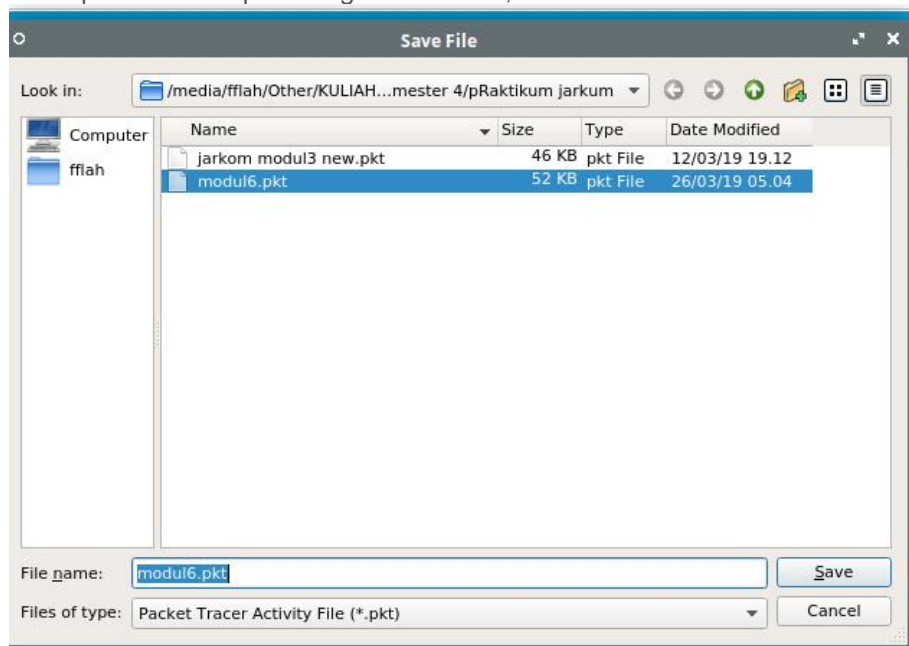
**5A. Langkah melakukan ping**

Jawab : Untuk melakukan ping, di perlukan sebuah command line, kemudian pada command line tersebut ketikan ping dengan alamat ip yang di tuju.



**6A. Langkah untuk meyimpan konfigurasi jaringan**

Jawab : Pada packet tracer pilih navigasi menu file, kemudian ilih save as



## 9A Identifikasi seperti langkah ke 4

### SW 1

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.43ED.0E05
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

### SW2

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.43ED.0E05
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

### SW3

No	Variable	Nilai
1	Root ID	
2	Priority	32769
3	MAC Adress	0001.43ED.0E05
4	Bridge ID	32769
5	Cost (0/1;0/2/0/3)	19/19/19
6	Hello time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

**Root Bridge** : Switch2 Port fa0/1 , fa0/2

**Designated Bridge**: Switch1 port fa0/2 dan Switch3 port: fa0/1

**Root Port** : Switch 1 port fa0/1, fa0/2 dan Switch 3 port fa0/1, fa0/3 ,Switch 2 port fa0/3

**Designated Port**: Switch2 port fa0/1, fa0/2, fa0/3 dan Switch3 port fa0/1, fa0/2, fa0/3

**Forwarding** : fa0/1, fa0/2, fa0/3, fa0/2, fa0/1, fa0/2

**Bloking** : -