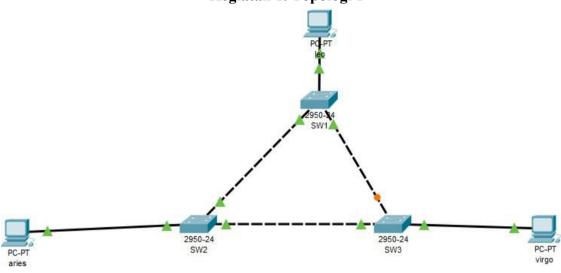
Modul 6 Prak Jarkom

Kegiatan 1. Topologi 1



## Tugas 1A:

Pertama kita beri 3 Switch 2950-24 lalu kita beri masing-masing PC per Switch dan sambungkan antar peripheral dengan media transmisi kabel

## Tugas 2A:

### SW1

Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
SW1(config)#end

#### SW2

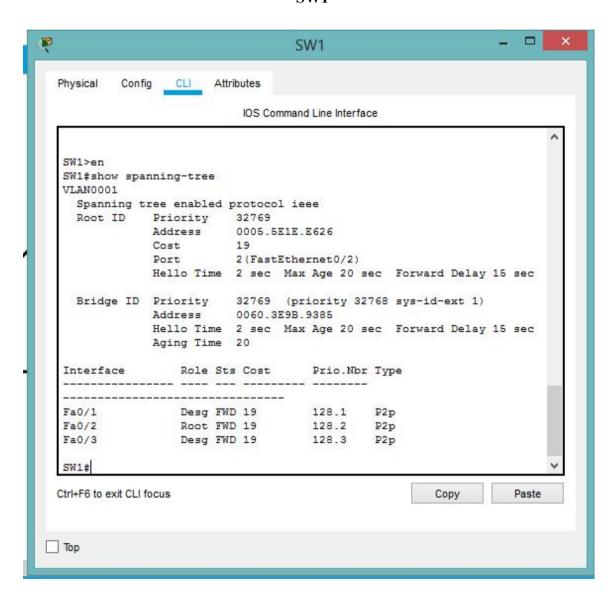
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW2
SW2(config)#end

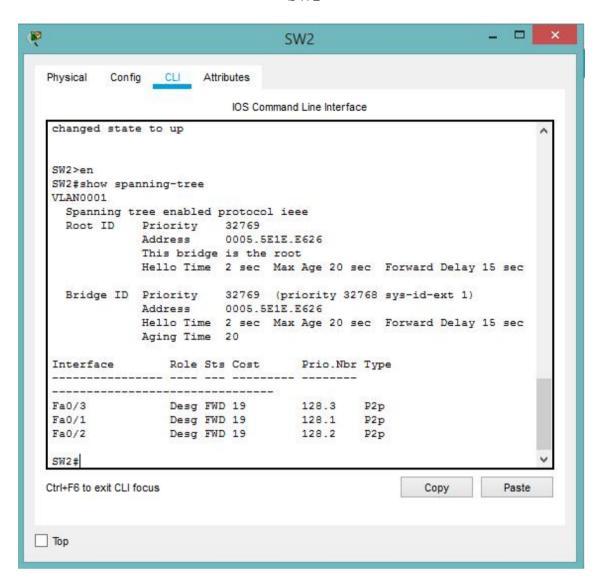
### SW3

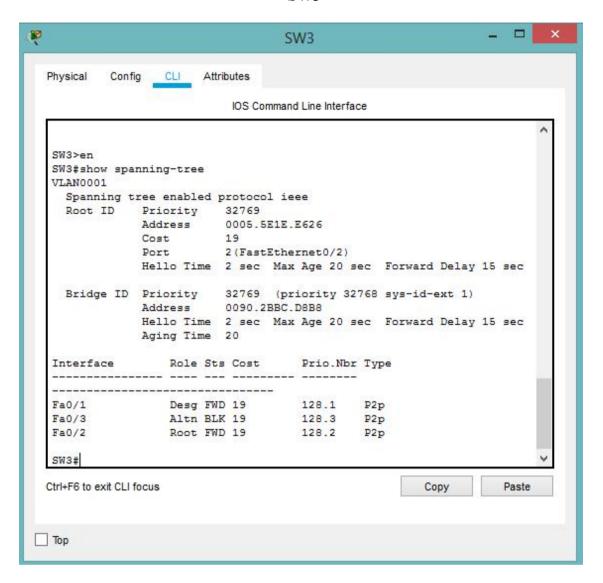
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW3
SW3(config)#end

## Tugas 4A:

### SW<sub>1</sub>







# Tugas 4B:

# SW1

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0060.3E9B.9385
4	Bridge ID	0060.3E9B.9385
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

# SW2

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0005.5E1E.E626
4	Bridge ID	0005.5E1E.E626
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

# SW3

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0090.2BBC.D8B 8
4	Bridge ID	0090.2BBC.D8B 8
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

## **Tugas 4C:**

Root bridge: SW2

**Designated bridge:** SW1

**Root port :** SW1 (Fa0/2), SW3(Fa0/2)

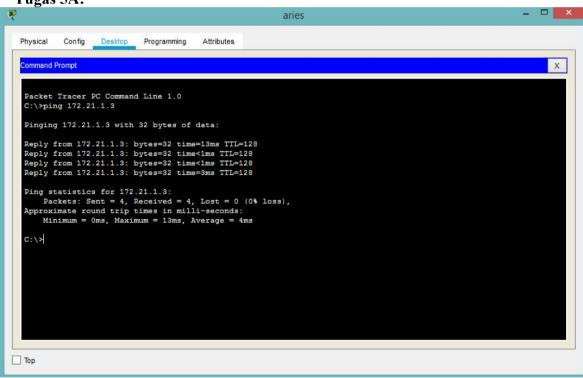
**Designated port**: SW1(Fa0/1;Fa0/3), SW2(Fa0/1,Fa0/2,Fa0/3), SW3(Fa0/1)

## Tugas 4D:

*Forwarding*: SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/1;Fa0/2;Fa0/3), SW3(Fa0/1;Fa0/2)

**Blocking:** SW3(Fa0/3)

Tugas 5A:



Masuk ke PC >> Desktop >> Command Prompt

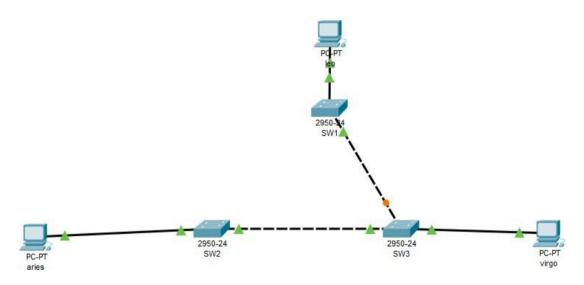
Lalu ketik "ping 172.21.1.3"

# Tugas 6A:

Lakukan perintah dibawah untuk setiap switch :

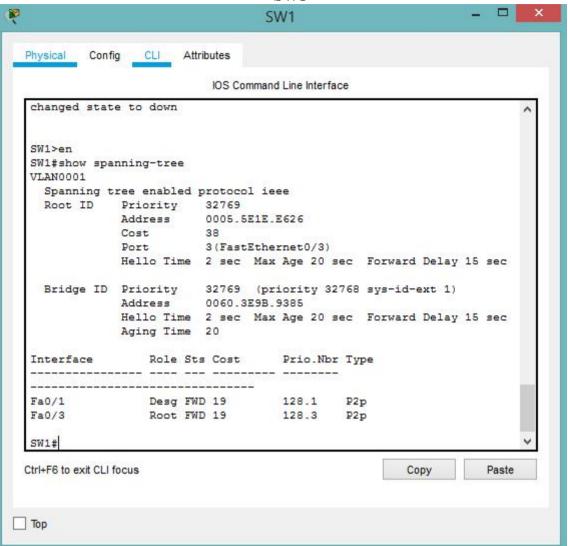
SW1>en SW1#write Building configuration... [OK]

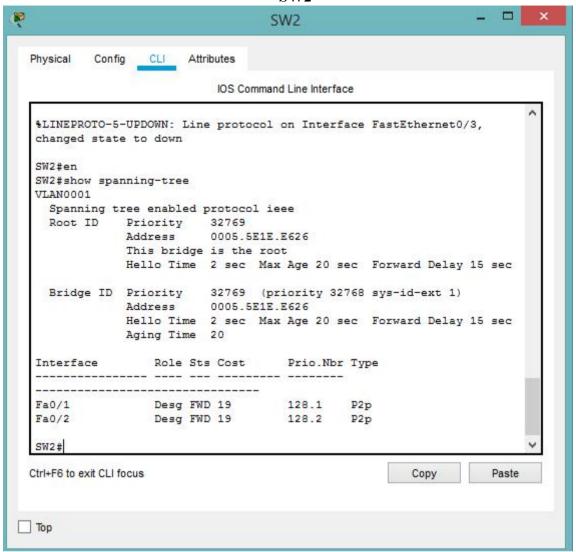
Kegiatan 2. Topologi 2



## Tugas 9A:

#### SW1







# SW1

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0060.3E9B.9385
4	Bridge ID	0060.3E9B.9385
5	Cost(0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

# SW2

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0005.5E1E.E626
4	Bridge ID	0005.5E1E.E626
5	Cost(0/2;0/3)	19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

# SW3

No	Variabel	Nilai
1	Root ID	0005.5E1E.E626
2	Priority	32769
3	Mac Address	0090.2BBC.D8B 8
4	Bridge ID	0090.2BBC.D8B 8
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

Root bridge: SW2

Designated bridge: SW3

**Root port :** SW1 (Fa0/3), SW3(Fa0/2)

**Designated port:** SW1(Fa0/1), SW2(Fa0/1;Fa0/2), SW3(Fa0/1;Fa0/3)

Forwarding: SW1(Fa0/1;Fa0/3), SW2(Fa0/1;Fa0/2),

SW3(Fa0/1;Fa0/2;Fa0/3)

**Blocking**: None