Modul 6

SPANNING TREE PROTOCOL

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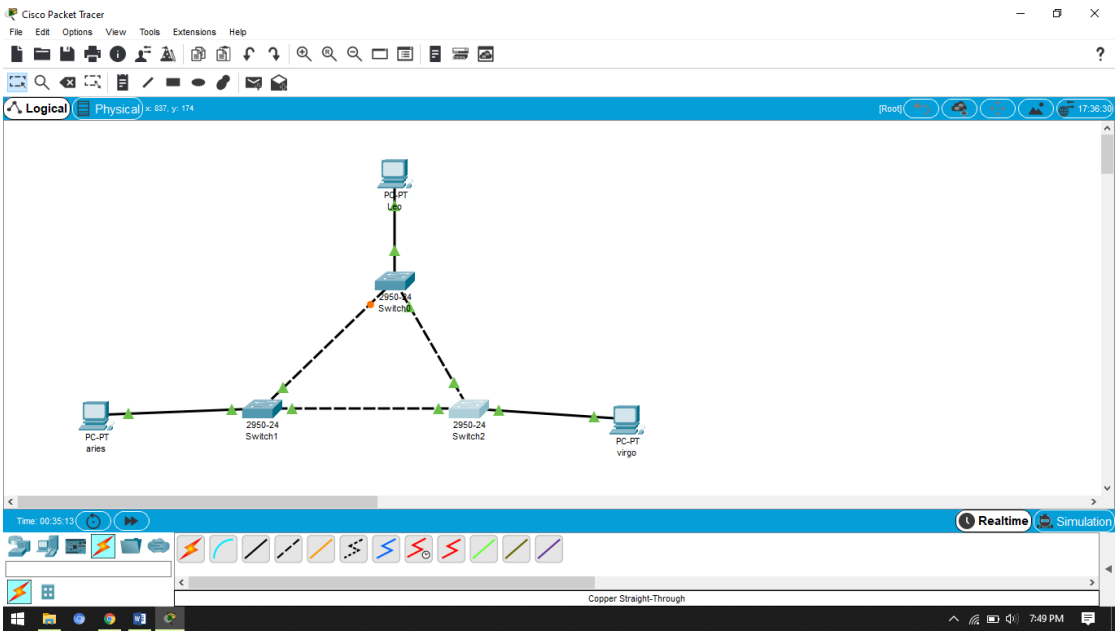
NIM : L200180126

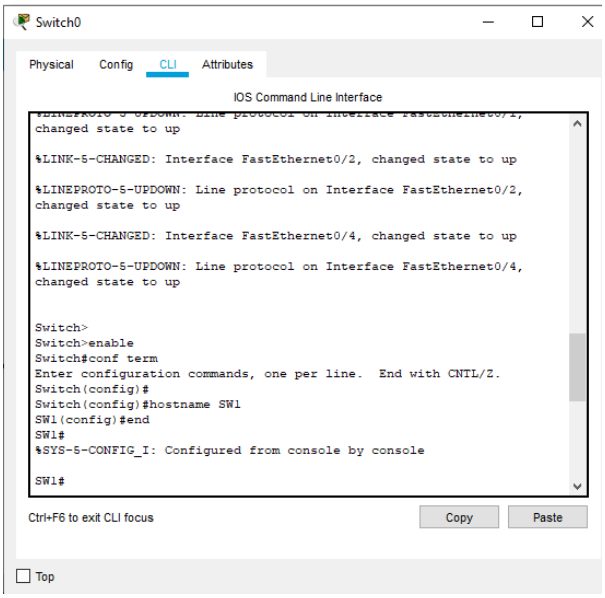
Kelas : C

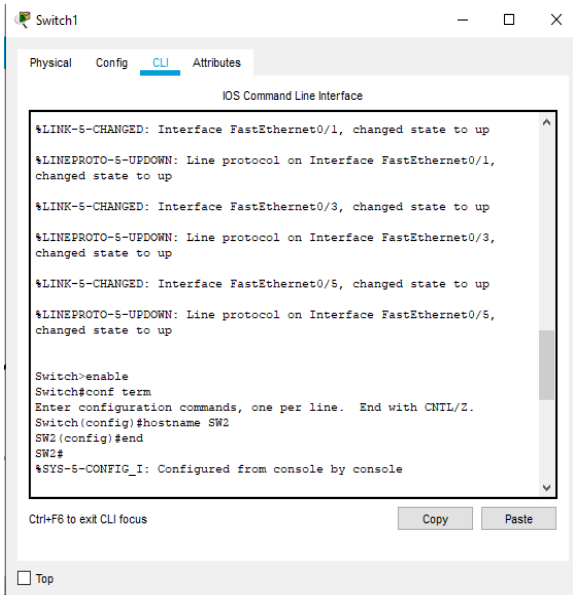
Kegiatan 1. Topologi 1

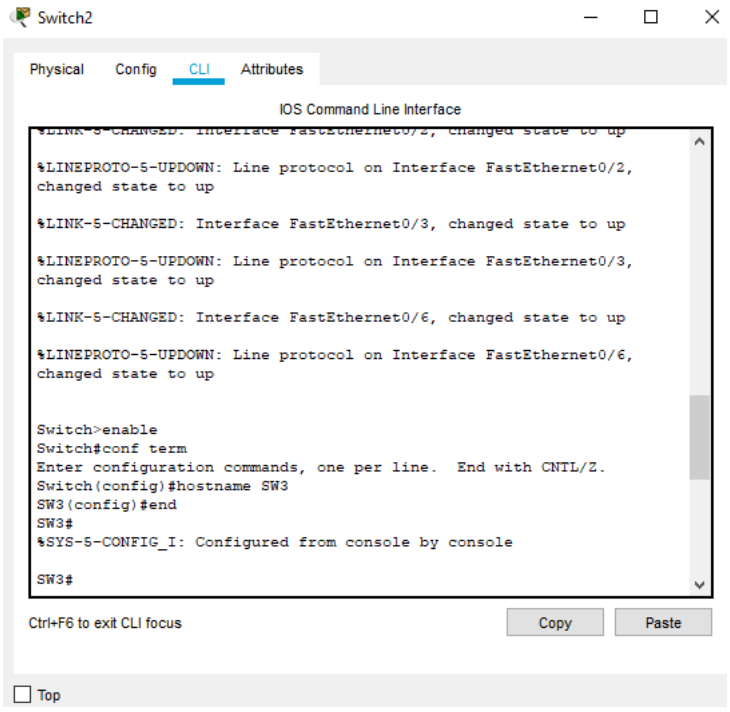
1A.



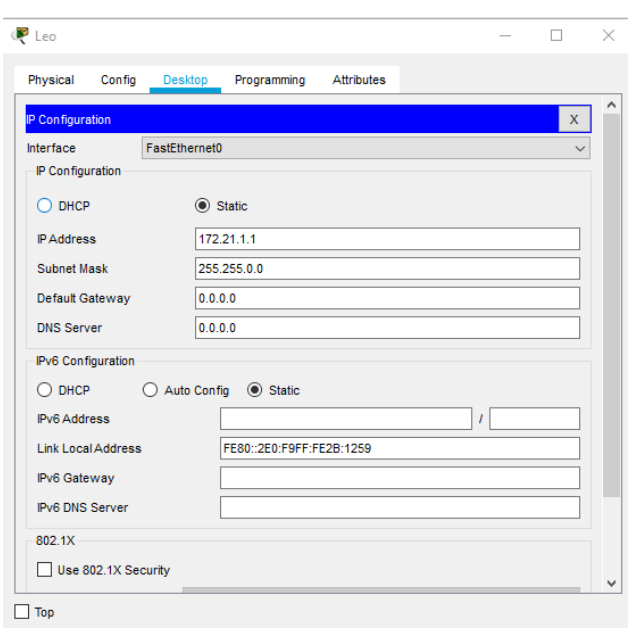
2A. Mengubah nama switch dengan mode *user* atau *mode privileged :*

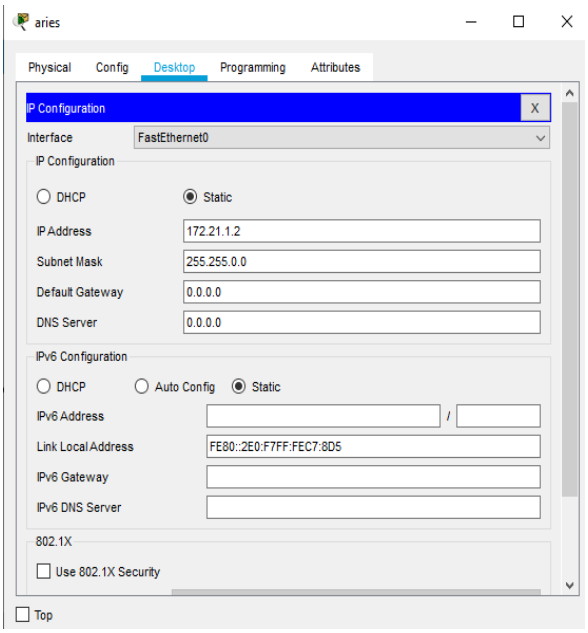


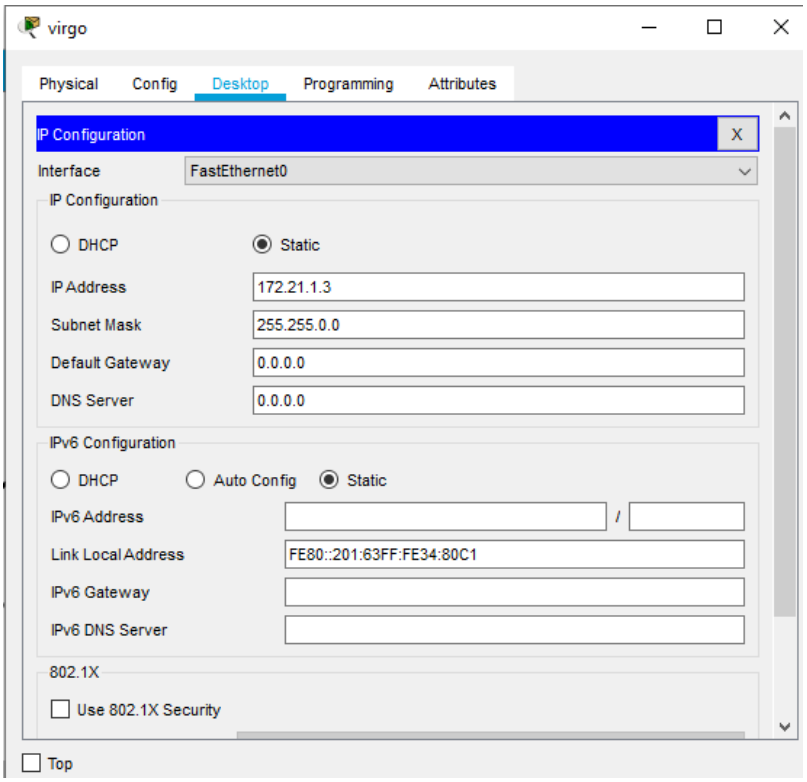




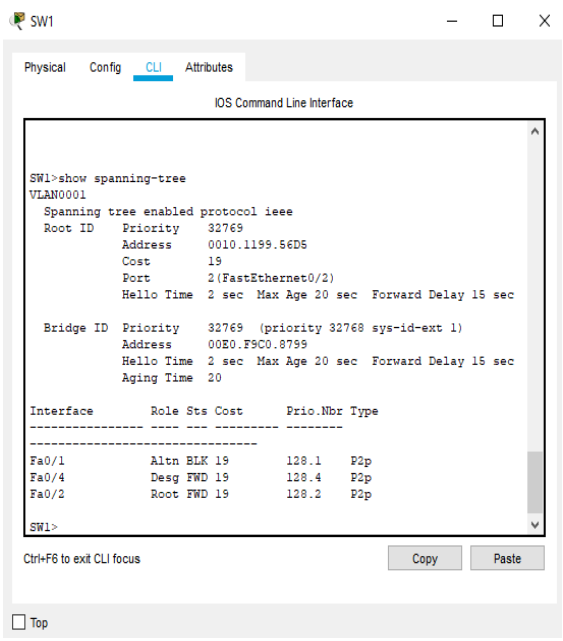
C .Konfigurasi masing-masing PC dengan alamat IP:

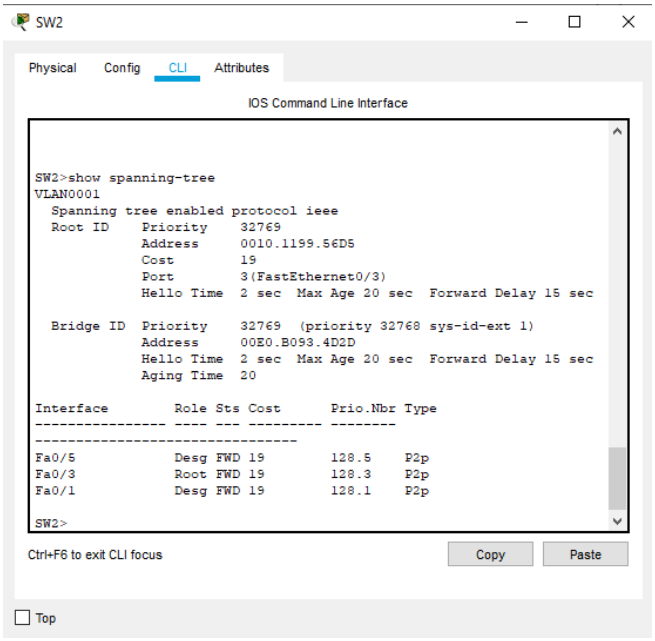


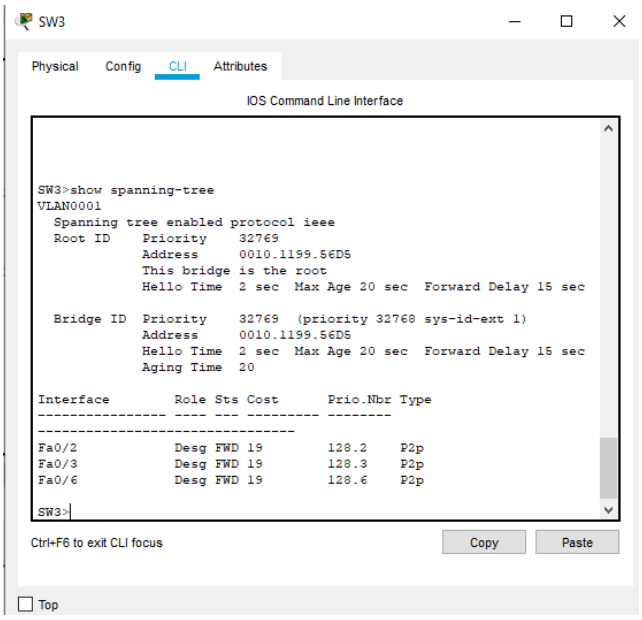




D.







4B.

NO.	Variable (SW1)	Nilai
1	Root ID	32769.0010.1199.56D5
2	Priority	32769
3	MAC Address	0010.1199.56D5
4	Bridge ID	32769.0010.1199.56D5
5	Cost (0/1;0/1;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec

8	Forward Delay	15 sec

NO.	Variable (SW2)	Nilai
1	Root ID	32769.0010.11C3.1658
2	Priority	32769
3	MAC Address	0060.70CC.E281
4	Bridge ID	32769.0060.70CC.EC81
5	Cost (0/1;0/1;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

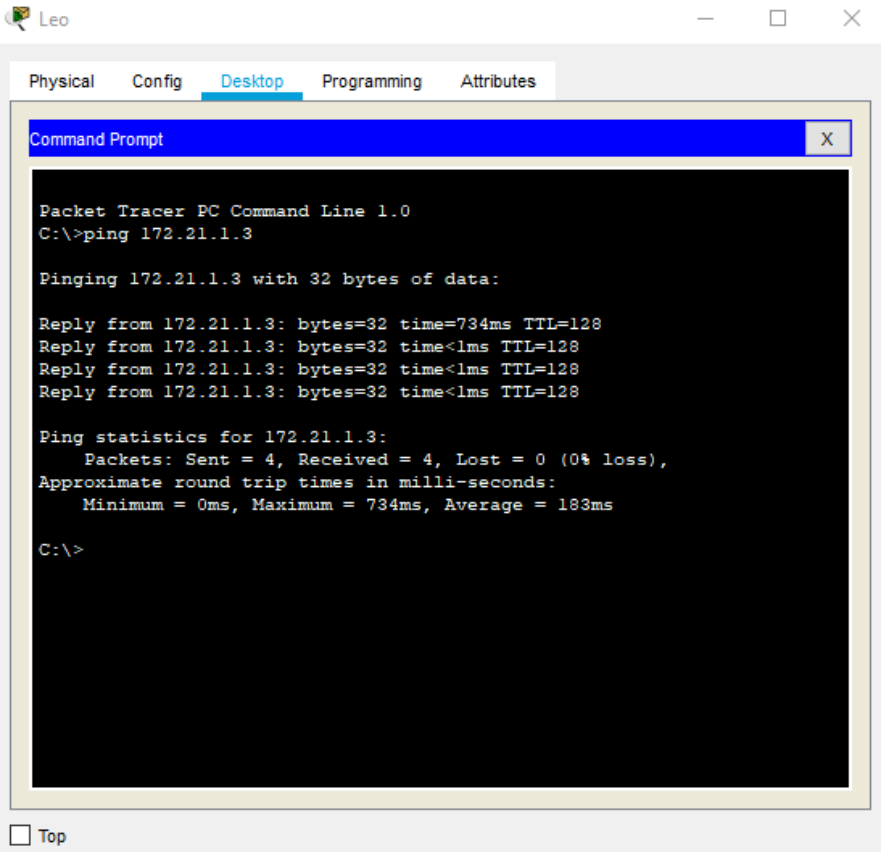
NO.	Variable (SW3)	Nilai
1	Root ID	32769.0010.11C3.1658
2	Priority	32769
3	MAC Address	0060.475B.AB15
4	Bridge ID	32769.0060. 475B.AB15
5	Cost (0/1;0/1;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

- ✓ Menjadi root bridge : SW1
- ✓ Menjadi designated bridge : SW1 dan SW2
- ✓ Menjadi root port : SW2 : (Fa 0/1) dan SW3: (Fa0/1)
- ✓ Menjadi designated port : SW1: (Fa 0/1,Fa 0/2,Fa 0/3); SW2:(Fa 0/3);SW3 : (Fa 0/2,Fa 0/3)

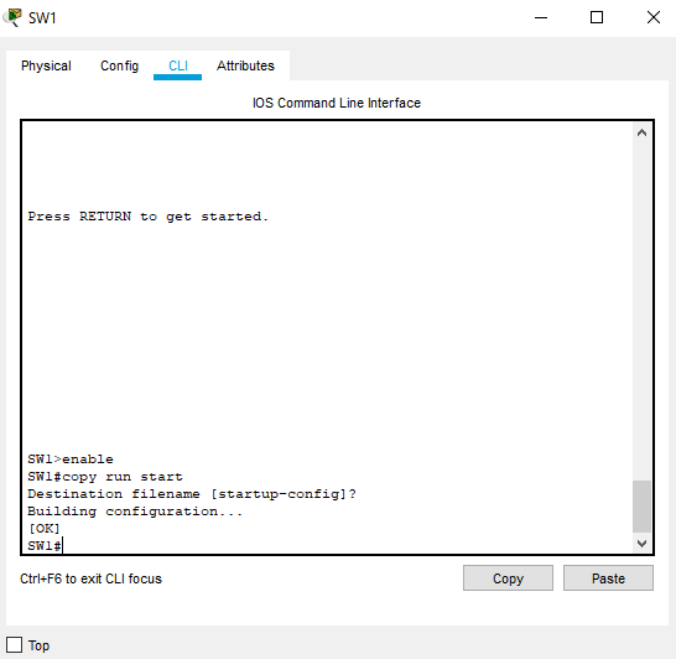
4D.

- ✓ Berada pada keadaan forwarding : SW1: (Fa 0/1,Fa 0/2,Fa 0/3); SW2:(Fa 0/3);SW3 : (Fa 0/2,Fa 0/3)
- ✓ Berada pada keadaan blocking : SW2(Fa 0/2)

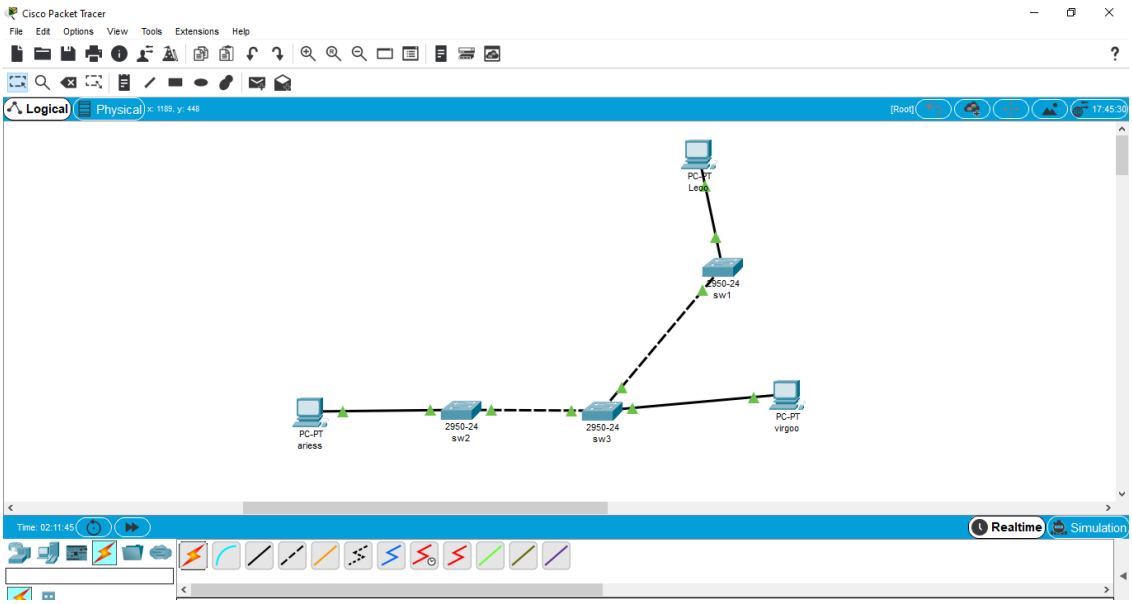
5A. Langkah pinging PC Leo ke PC Virgo



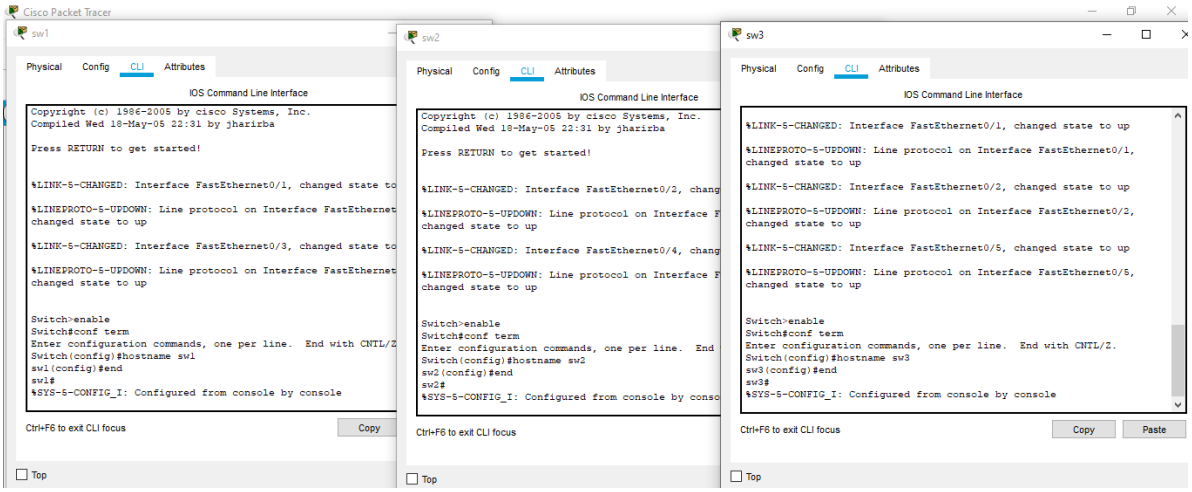
6A.



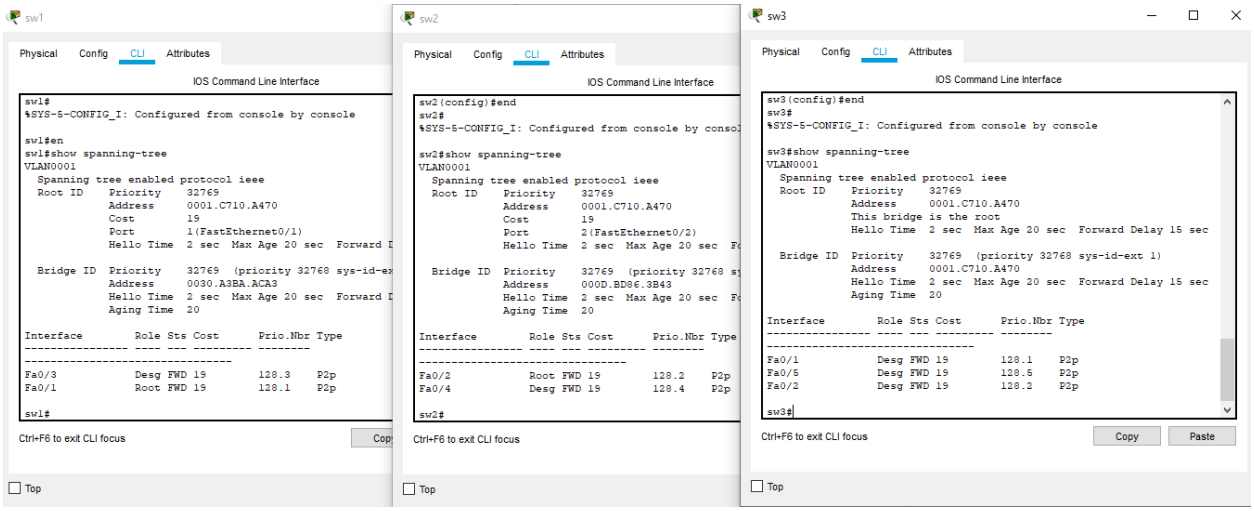
Kegiatan 2. Topologi 2



Menentukan IP Address



Melihat status STP



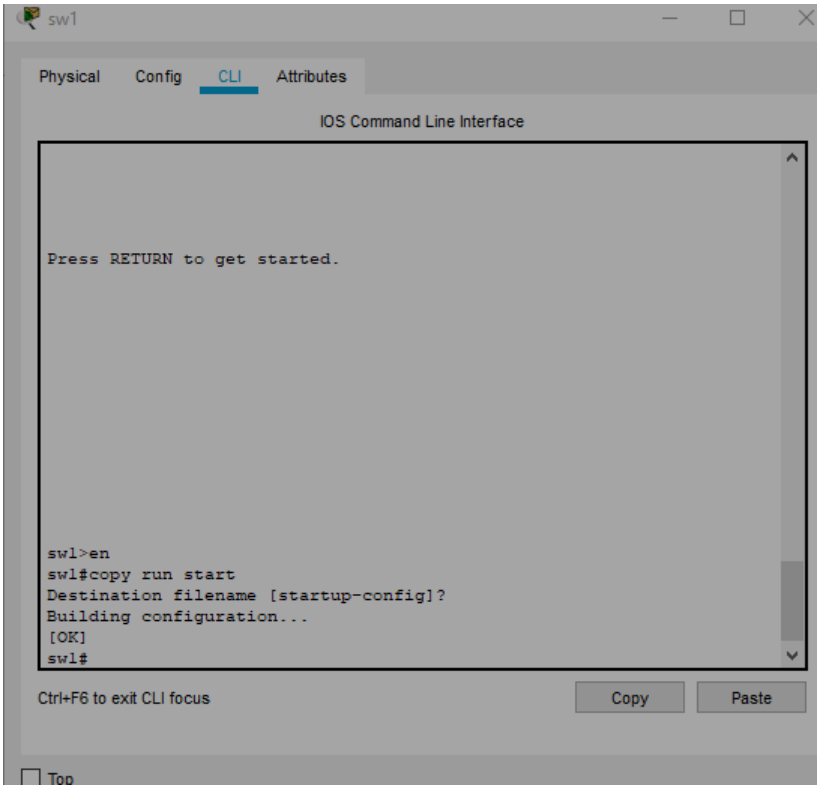
TABLE

NO.	Variable (SW1)	Nilai
1	Root ID	32769.0010.C710.A470
2	Priority	32769
3	MAC Address	0030.A3BA.ACA3
4	Bridge ID	32769.0030.A3BA.ACA3
5	Cost (0/1;0/1;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	16 sec

NO.	Variable (SW2)	Nilai
1	Root ID	32769.0010.C710.A470
2	Priority	32769
3	MAC Address	0000.BD86.3B43
4	Bridge ID	32769.0000. BD86.3B43
5	Cost (0/1;0/1;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

NO.	Variable (SW3)	Nilai
1	Root ID	32769.0010.C710.A470
2	Priority	32769
3	MAC Address	0001.C710.A470
4	Bridge ID	32769.0001. C710.A470
5	Cost (0/1;0/1;0/3)	19;19;19

6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

- ✓ Root bridge : sw3
- ✓ Designated Bridge : sw2
- ✓ Root Port : sw1(Fa 0/1);sw2 (Fa 0/2)
- ✓ Designated port : sw1(Fa 0/2);sw2(Fa 0/1,Fa 0/3);sw3(Fa0/1,Fa 0/2)
- ✓ Forwarding : sw1(Fa 0/1,Fa 0/2); sw2(Fa 0/1,Fa 0/2,Fa 0/3);sw3 (Fa 0/1,Fa 0/2)
- ✓ Blocking : tidak ada

Menyimpan konfig