Nama: Tino Arif Priyanto

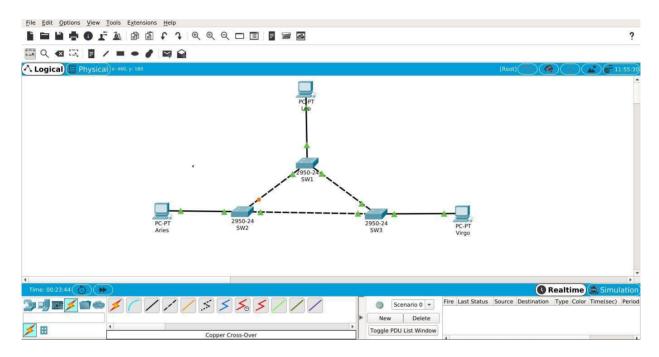
NIM : L200170131

Kelas : C

Modul : 6 Kegiatan&Tugas

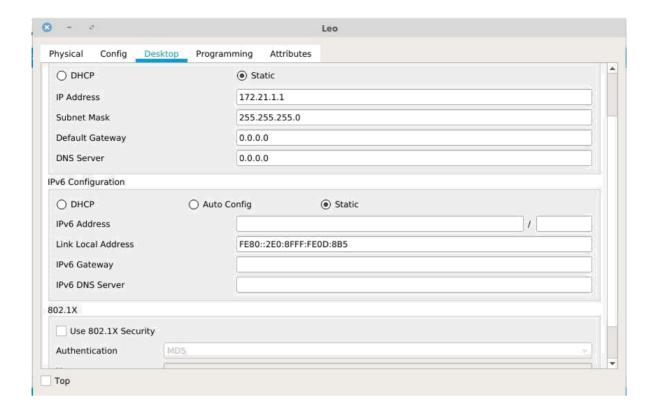
Kegiatan1.Topologi1

1.A.Berikutadalahstrukturtopologi.



- 2.A.daristrukturjaringandiatasterdapat3Switchdan3Workstation,dengan namaSwitchyaituSW1,SW2,danSW3.SedangkanWorkstationialahLeo,Aries, danVirgo.
- 3. SetelahitukonfigurasisetiapWorkstationdenganIPAddress:

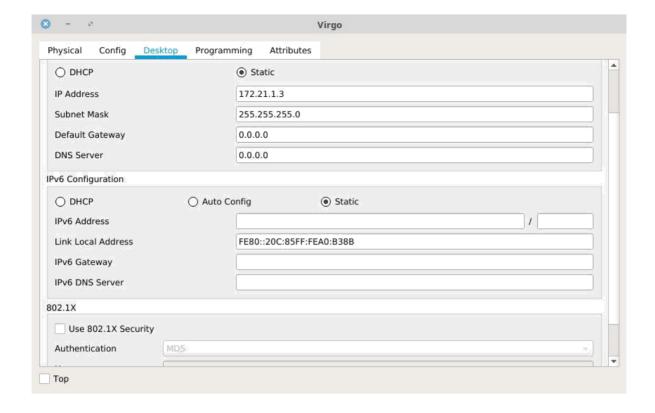
∘L<u>e</u>o =172.21.1.1/24



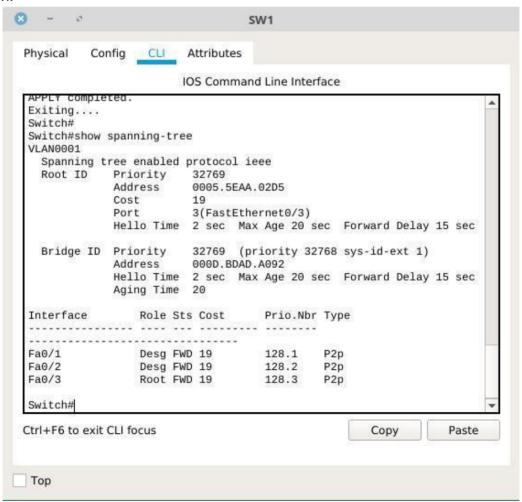
• Aries =172.21.1.2/24

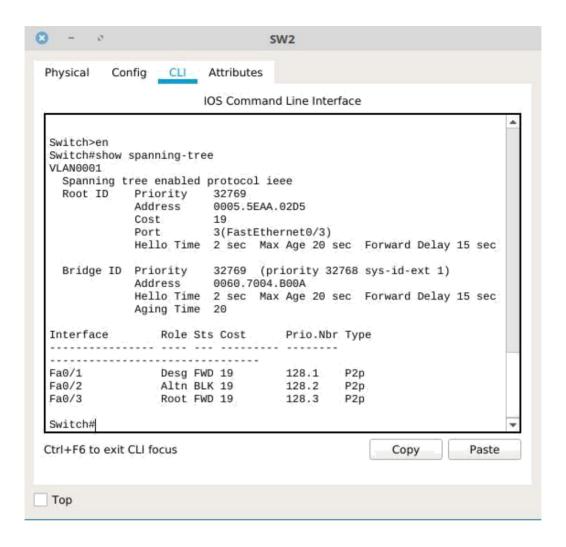
9 - 0	Aries	
Physical Config Desktop	Programming Attributes	
○ DHCP	Static	^
IP Address	172.21.1.2	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
DNS Server	0.0.0.0	
IPv6 Configuration		
○ DHCP	○ Auto Config	
Ophce	C Add Corning Static	
IPv6 Address	/ State	
IPv6 Address		
IPv6 Address Link Local Address		
IPv6 Address Link Local Address IPv6 Gateway		
IPv6 Address Link Local Address IPv6 Gateway IPv6 DNS Server		

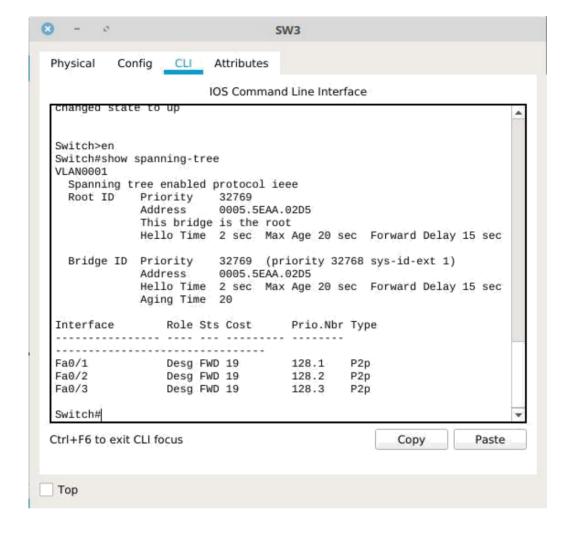
∘Virgo =172.21.1.3/24



4.A. Tampilanmasing-masingstatusSTP(SpanningTreeProtocol)pada Switch.







B.informasipadamasing-masing

switch. SW1

No	Variable	Nilai
	RootID	
1	Priority	32769
2	MACAdrress	0005.5EAA.02D5
	BridgeID	
3	Cost(0/1;0/2;0/3)	19
4	HeloTime	2Sec
5	MaxAge	20Sec
6	ForwardDelay	15Sec

∘SW2

No	Variable	Nilai
	RootID	
1	Priority	32769
2	MACAddress	0005.5EAA.02D5
	BridgeID	

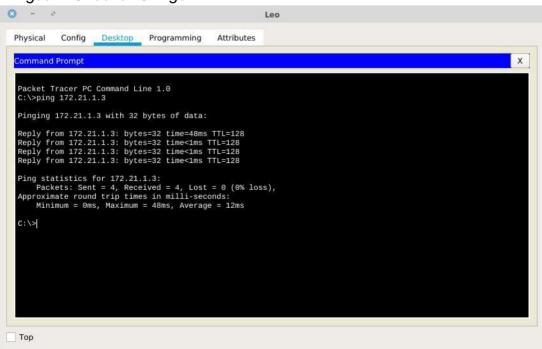
3	Cost(0/1;0/2;0/3)	19
4	He l oTime	2Sec
5	MaxAge	20Sec
6	ForwardDelay	15Sec

∘SW3

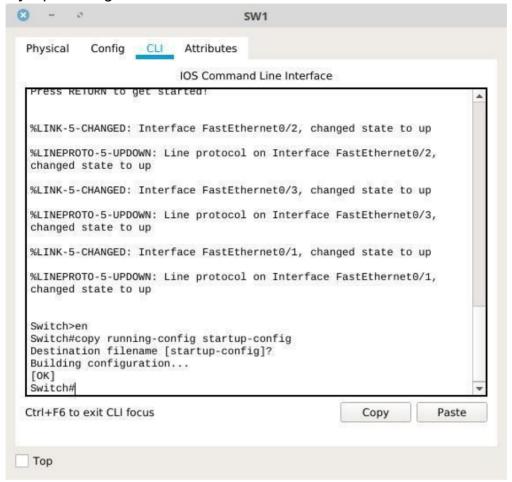
No	Variable	Nilai
	RootID	
1	Priority	32769
2	MACAddress	0005.5EAA.02D5
	BridgeID	
3	Cost(0/1;0/2;0/3)	19
4	HeloTime	2Sec
5	MaxAge	20Sec
6	ForwardDelay	15Sec

- C.PadakondisidefaultSwitchdanPortyangmenjadi:
 - -RootBridgeialahSwitchSW3
 - -DesignatedBridgeialahSwitchSW1
 - -RootPortialahFa0/3padaSW1danFa0/3padaSW2
 - -DesignatedPortialahFa0/1danFa0/2
- D.Padakondisidefaultportyang:
 - -BaradapadakeadaanforwardingpadaSW1(Fa0/1,Fa0/2,danFa0/3),
 - SW2(Fa0/1danFa0/3),danSW3(Fa0/1,Fa0/2,danFa0/3).
 - -BeradapadakeadaanblockingpadaSW2(Fa0/2).

5.A.PingdariPCLeokePCVirgo:

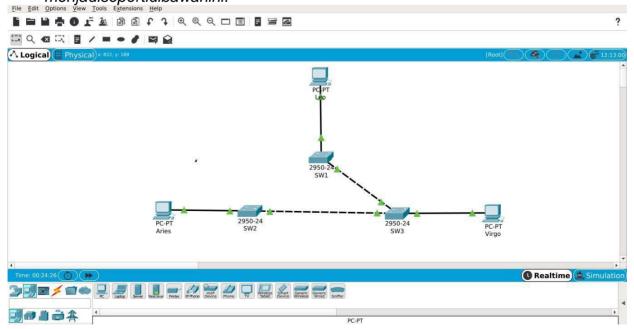


6.A.MenyimpankonfigurasiSwitch.



Kegiatan2.Topologi2

1.menggunakan PackatTracermengubah strukturjaringan sebelumnya menjadisepertidibawahini.



- 9.A.Setelahmengubahstrukturtopologijaringanselanjutnyalakukansepertipada kegiatan1No4menentukankondisidefaultersebut,switchdanportdenganmengetik **showspanning-tree**padamasing-masingSwitch.
 - -Menjadirootbridgeadalah SW3
 - -Menjadidesignatedbridgeadalahtidakadayangmemilikijalurterblok.
 - -Menjadirootportadalah SW1 (Fa0/3) dan SW2 (Fa0/3).
- -Menjadidesignatedportadalahtidakadadesignatedportkarenepadadesignated bridgetidakadajaluryangterblok.

PadasemuaswitchsemuaportpadakeadaanForwarding,tidakadaportyangter Blocking.

