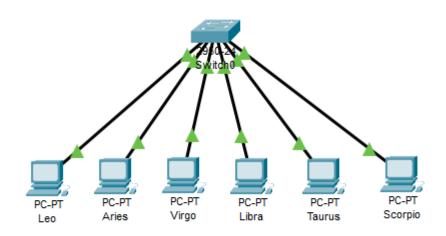
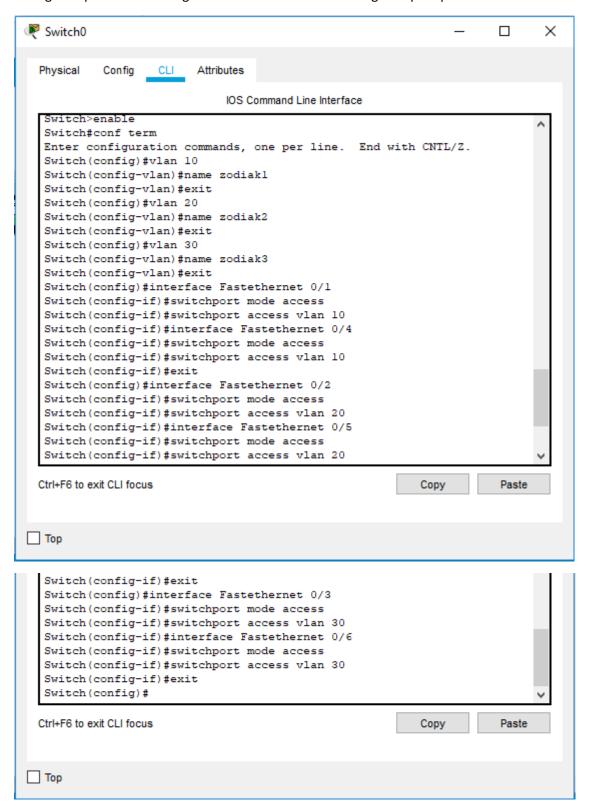
Nama : Sang Aji Indutoro NIM : L200180003

Kegiatan 1. Topologi 1



Konfigurasi pada Switch dengan membuat 3 VLAN dan konfigurasi port-port switch ke dalam VLAN



Melihat konfigurasi VLAN

Menampilkan informasi VLAN 10, VLAN 20, dan VLAN 30

VLAN Name					Status Ports							
								Fa0/1, Fa0/4				
		SAID			_	_		_	_		Trans2	
		100010									0	
Swite	ch#sho	w vlan id	20									
VLAN	Name					atus						
20	zodiak2			active Fa								
		SAID									Trans2	
		100020									0	
Swite	ch#sho	w vlan id	30									
VLAN	Name				St	atus	Poi	rts				
30	zodiak3		ac	active Fa0/3		a0/3, Fa0/6						
VLAN	Type	SAID	MTU	Parent	RingN	o Bridg	reNo	Stp	BrdgMode	Transl	Trans2	

Tugas 6A: Capture masing-masing tampilan informasi vlan dan isi tabel berikut.

No	Variabel	Nilai				
1	Nomor VLAN	10				
2	Nama VLAN	Zodiak1				
3	Port	Fa0/1, Fa0/4				
4	Status	Active				

No	Variabel	Nilai
1	Nomor VLAN	20

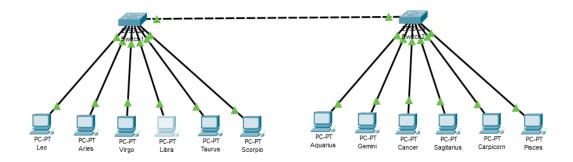
2	Nama VLAN	Zodiak2
3	Port	Fa0/2, Fa0/5
4	Status	Active

No	Variabel	Nilai					
1	Nomor VLAN	30					
2	Nama VLAN	Zodiak3					
3	Port	Fa0/3, Fa0/6					
4	Status	Active					

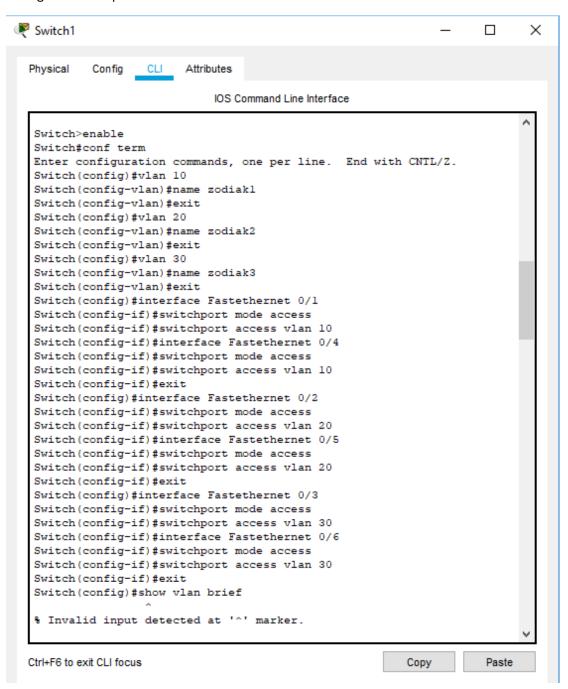
Tugas 6B: Jelaskan secara singkat hasil yang anda peroleh dari tugas 6A.

- VLAN nomor 10 bernama zodiak1 memiliki port Fa0/1, Fa0/4 dan statusnya active
- VLAN nomor 20 bernama zodiak2 memiliki port Fa0/2, Fa0/5 dan statusnya active
- VLAN nomor 30 bernama zodiak3 memiliki port Fa0/3, Fa0/6 dan statusnya active

Kegiatan 2. Topologi 2



Konfigurasi VLAN pada switch 1



VLAN Name	Status	Ports
l default	active	Fa0/7, Fa0/8, Fa0/9,
Fa0/10		Fa0/11, Fa0/12,
Fa0/13, Fa0/14		
Fa0/17, Fa0/18		Fa0/15, Fa0/16,
		Fa0/19, Fa0/20,
Fa0/21, Fa0/22		Fa0/23, Fa0/24
10 zodiakl	active	Fa0/1, Fa0/4
20 zodiak2	active	Fa0/2, Fa0/5
30 zodiak3	active	Fa0/3, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	

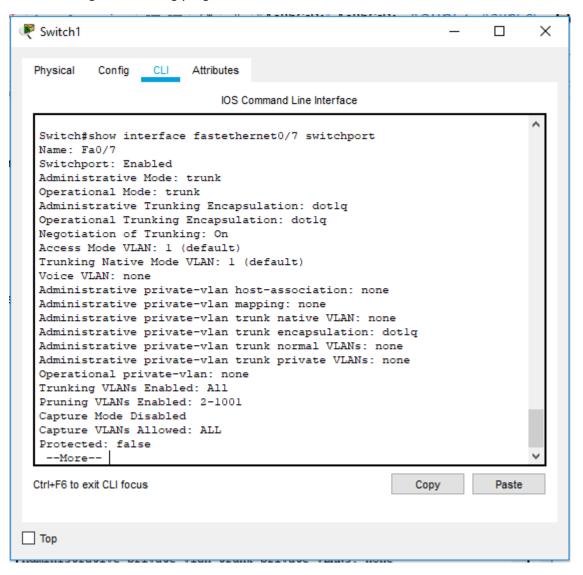
Menampilkan VLAN 10, VLAN 20, dan VLAN 30

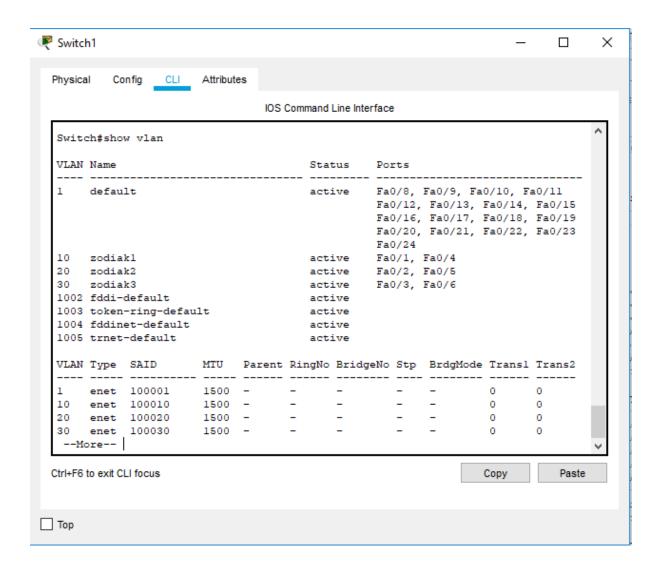
Switch#show vlan id 10											
VLAN	Name					tus					
10	zodiakl				active Fa		a0/1, Fa0/4				
		SAID			_	_			_		
		100010							-		
Switch#show vlan id 20											
	Name										
	zodial	k2	active Fa0/2, Fa								
VLAN	Туре	SAID	MTU	Parent	RingNo	Bridge	eNo	Stp	BrdgMode	Transl	Trans2
20	enet	100020	1500	-	-	-		-	-	0	0
Switch#show vlan id 30											
VLAN	Name										
30	zodiak3				act				Fa0/6		
VLAN	Type	SAID	MTU	Parent	RingNo	Bridge	eNo	Stp	BrdgMode	Transl	Trans2
30	enet	100030	1500	-	-	-		-	-	0	0
Swite	ch#										

Konfigurasi VLAN trunking pada switch 1

```
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface fa0/7
Switch(config-if)#switchport mode trunk
```

Melihat konfigurasi trunking yang telah dibuat

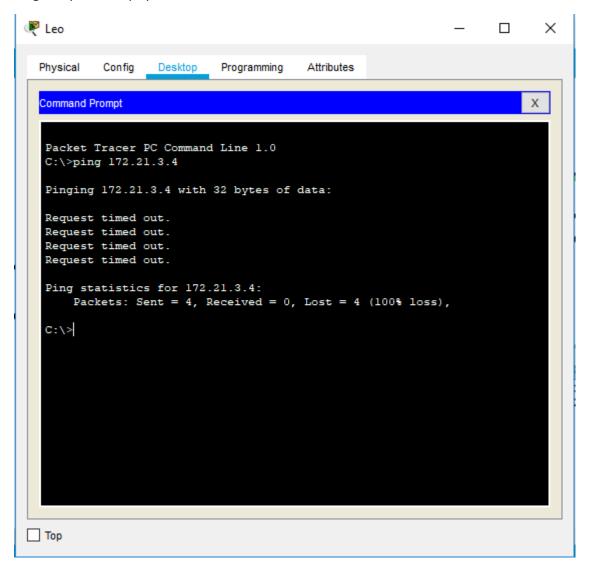




Tugas 7A: Jelaskan secara singkat hasil yang anda peroleh dari langkah 7

Hasil yang diperoleh yaitu berupa informasi tentang VLAN trunking pada switch 1

Ping dari pc Leo ke pc pisces



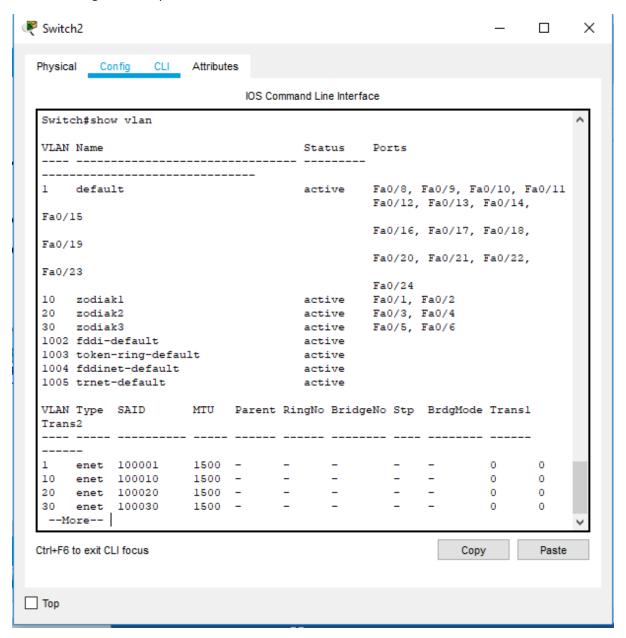
Tugas 8A: Jelaskan secara singkat mengapa hasil yang anda peroleh dari langkah 8 mendapatkan status "reply"?

Status yang didapatkan adalah Request Time Out karena PC leo dan PC Pisces berbeda VLAN

Konfigurasi VLAN trunking pada switch 2

```
Switch(config-if)#interface fa0/7
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
```

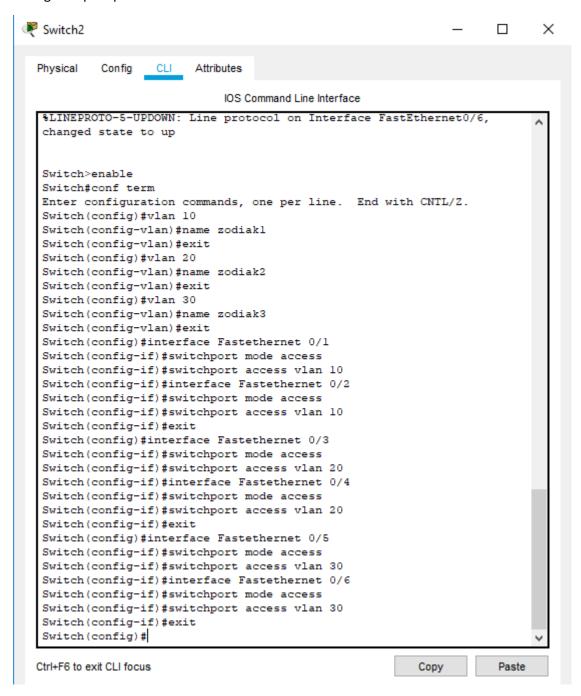
Melihat konfigurasi vlan pada switch 2



Tugas 10A: Jelaskan Secara singkat hasil yang anda peroleh dari langkah 10.

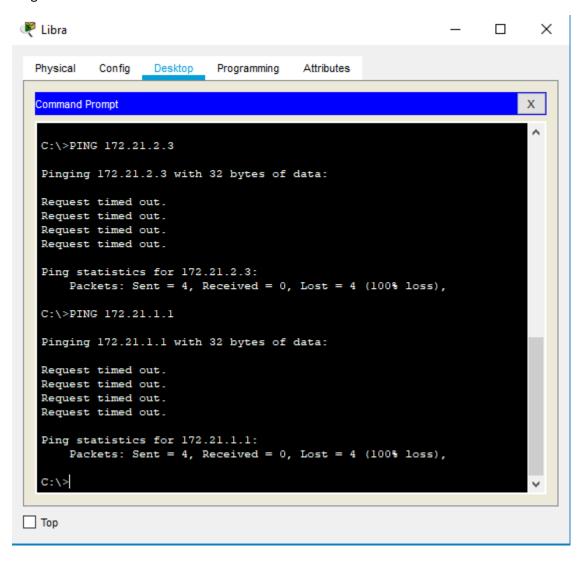
Informasi tentang konfigurasi VLAN pada switch 2

Konfigurasi port-port switch ke VLAN



```
₹ Leo
                                                                           ×
                                                                     Physical
           Config
                   Desktop
                            Programming
                                         Attributes
   Command Prompt
                                                                          Х
   C:\>ping 172.21.1.2
   Pinging 172.21.1.2 with 32 bytes of data:
   Request timed out.
   Request timed out.
   Request timed out.
   Request timed out.
   Ping statistics for 172.21.1.2:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   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<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 = 0ms, Average = 0ms
   C:\>ping 172.21.3.4
   Pinging 172.21.3.4 with 32 bytes of data:
   Request timed out.
   Request timed out.
   Request timed out.
   Request timed out.
   Ping statistics for 172.21.3.4:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   C:\>
Тор
```

Ping libra ke cancer dan libra ke leo



Tugas 12A: Jelaskan secara singkat hasil yang anda peroleh dari langkah 8.

Setelah melakukan tes ping dari PC Leo ke PC Pisces didapatkan status *Request Time Out* dikarenakan berbeda VLAN.