

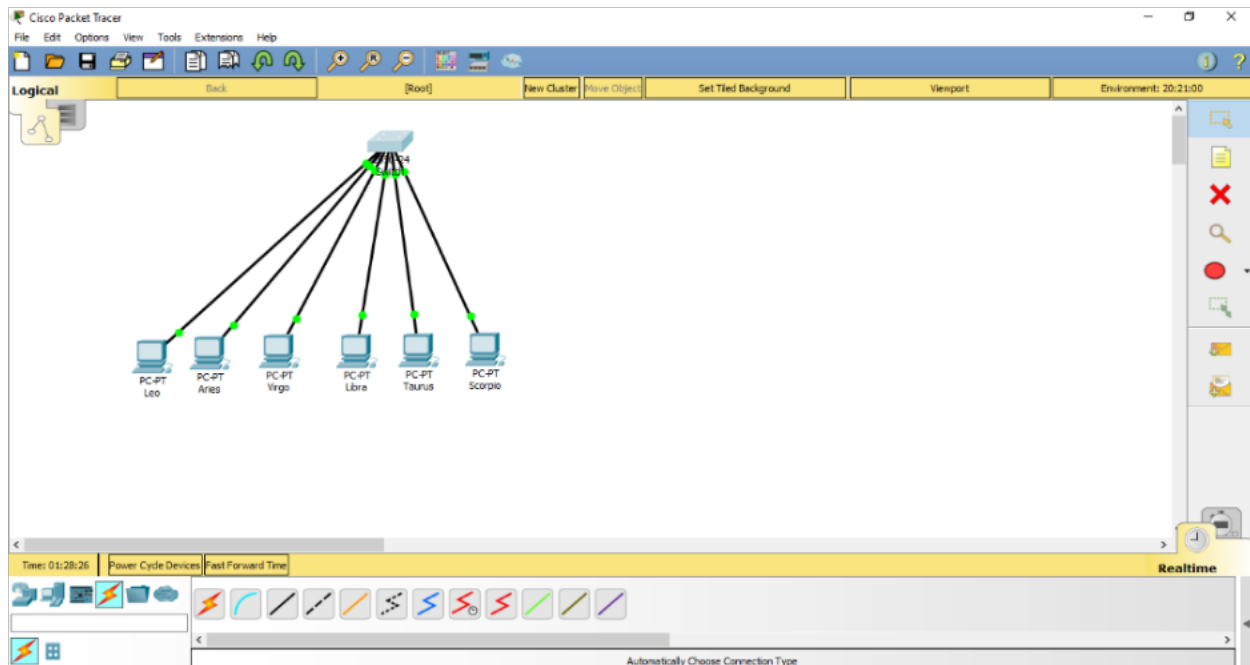
Nama : Hanifah Elvira Sukma Dewi

NIM : L200180124

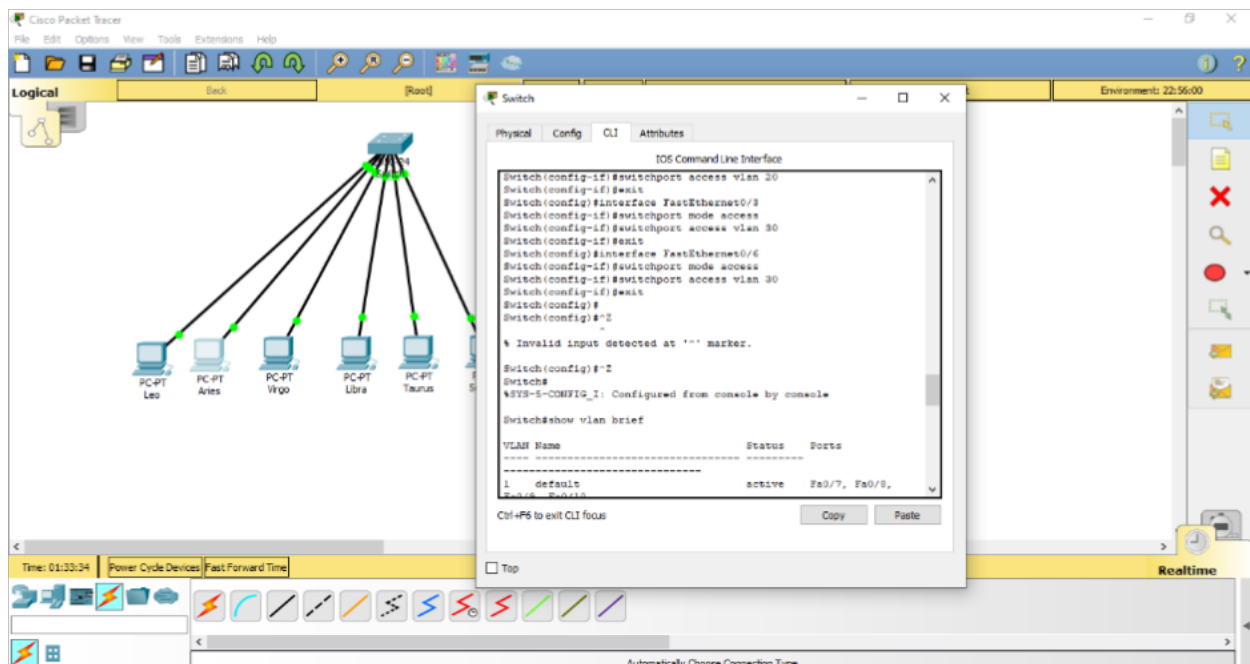
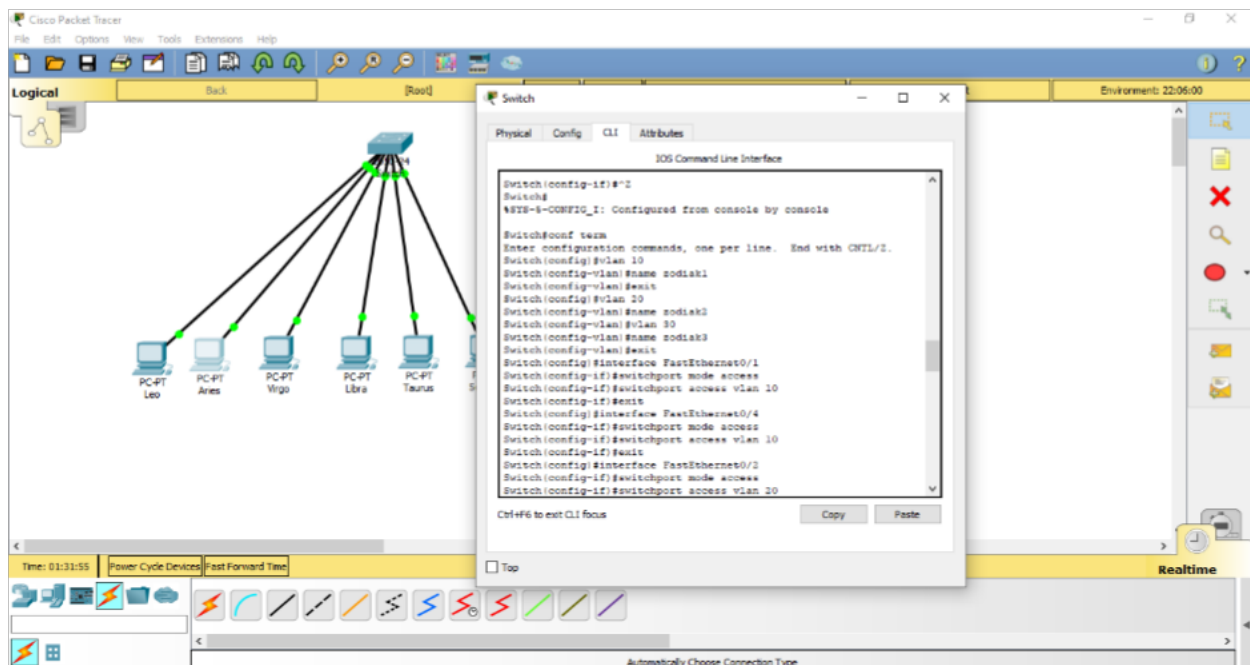
Kelas : C

MODUL 4

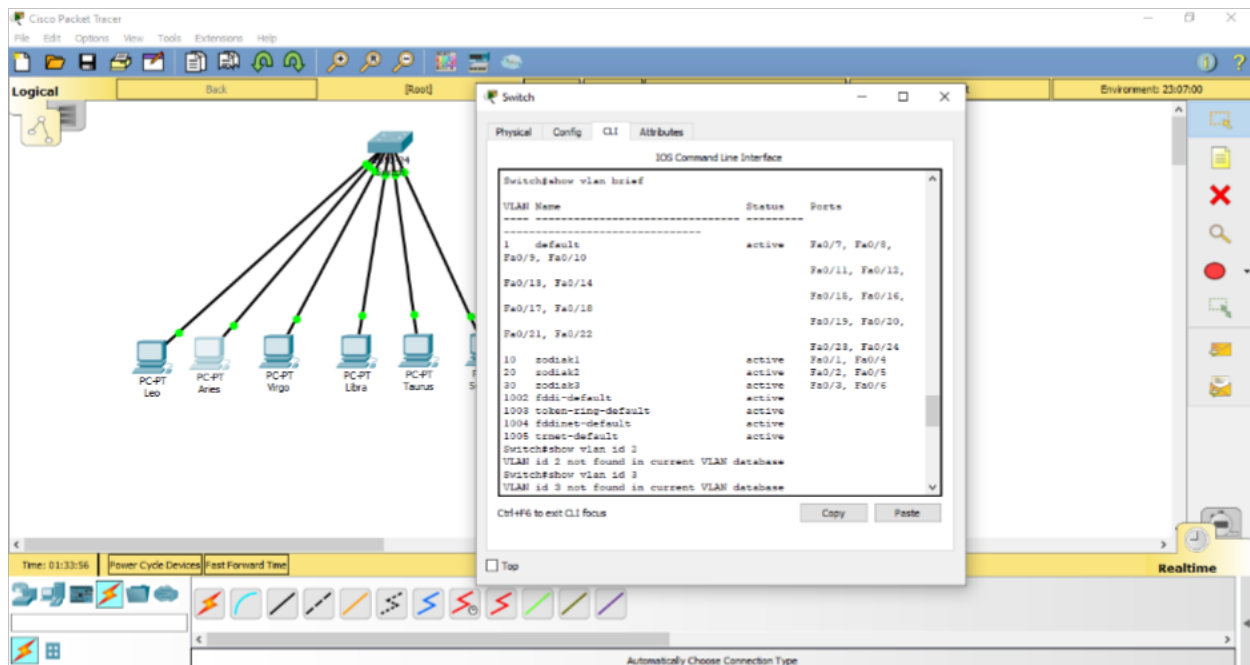
Kegiatan 1



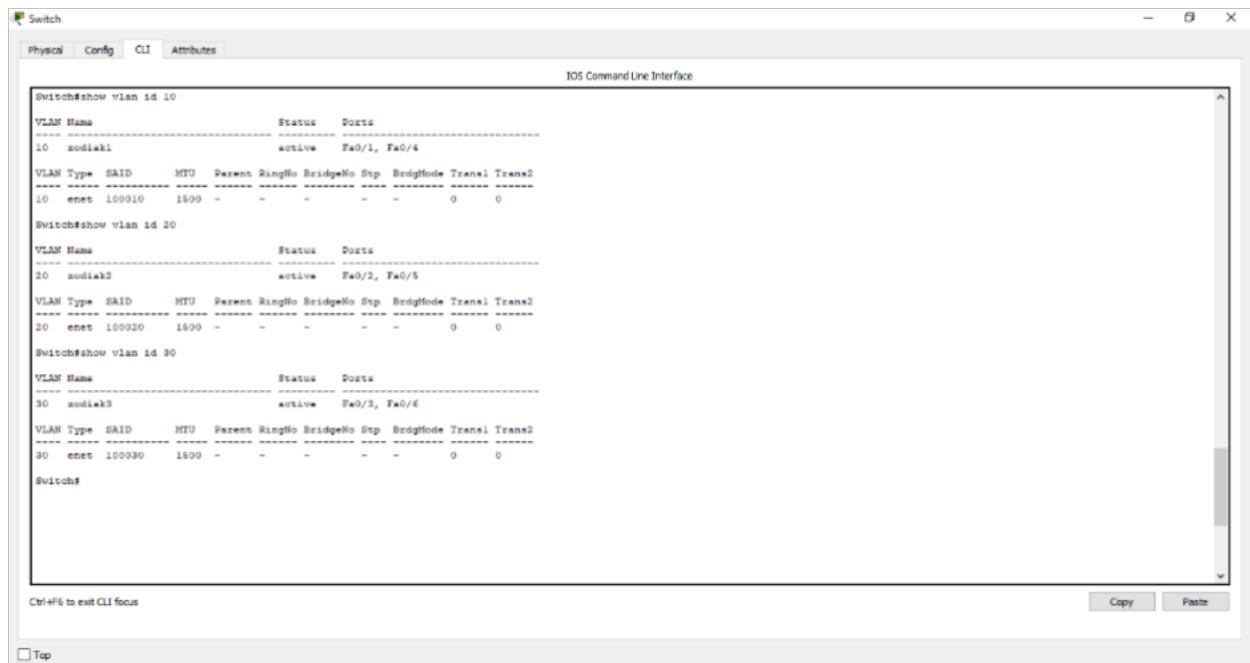
Konfigurasi switch



Informasi vlan secara keseluruhan(show vlan)



Informasi vlan 10, vlan 20, dan vlan 30



Tugas 6A: Tabel informasi

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

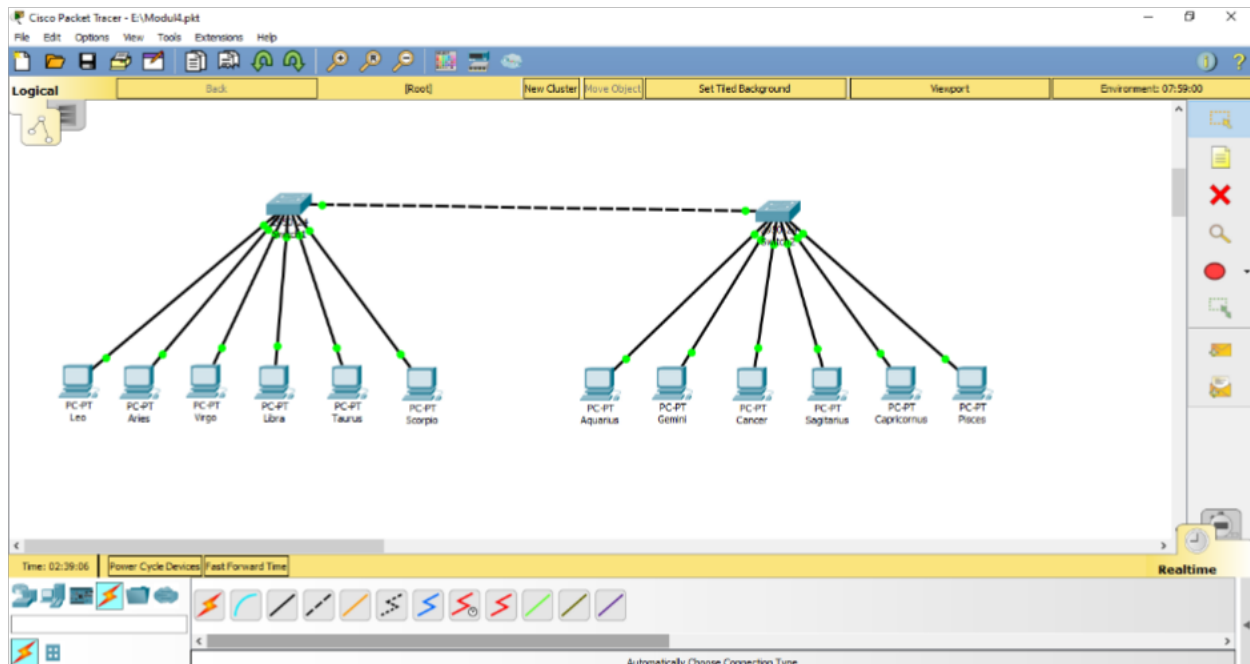
No	Variabel	Nilai
1	Nomor VLAN	30
2	Nama VLAN	zodiak3
3	Port	Fa0/3, Fa0/6
4	Status	active

Tugas 6B : Penjelasan singkat

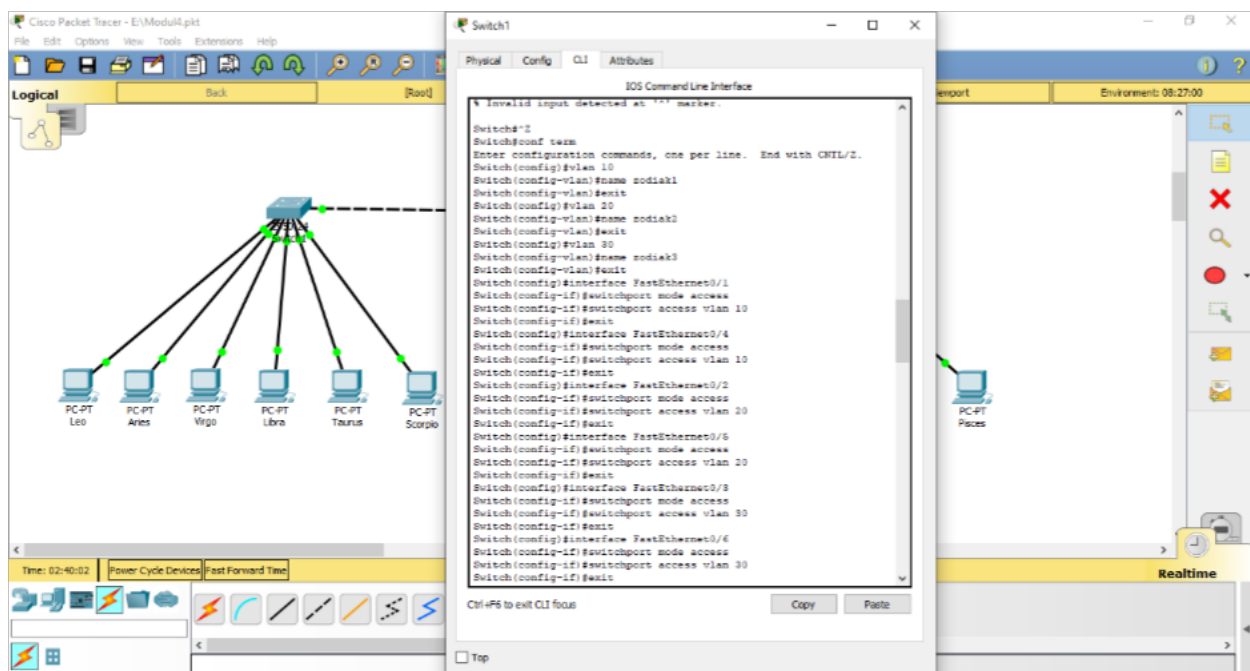
VLAN yang ada pada switch antara lain VLAN nomor 10 dengan nama zodiak1, VLAN nomor

20 dengan nama zodiak2, dan VLAN nomor 30 dengan nama zodiak3. Masing-masing VLAN ber-status active. VLAN 10 berisi port Fa0/1 (FastEthernet0/1) dan Fa0/4, VLAN 20 berisi port Fa0/2 dan Fa0/5, dan VLAN 30 berisi port Fa0/3 dan Fa0/6.

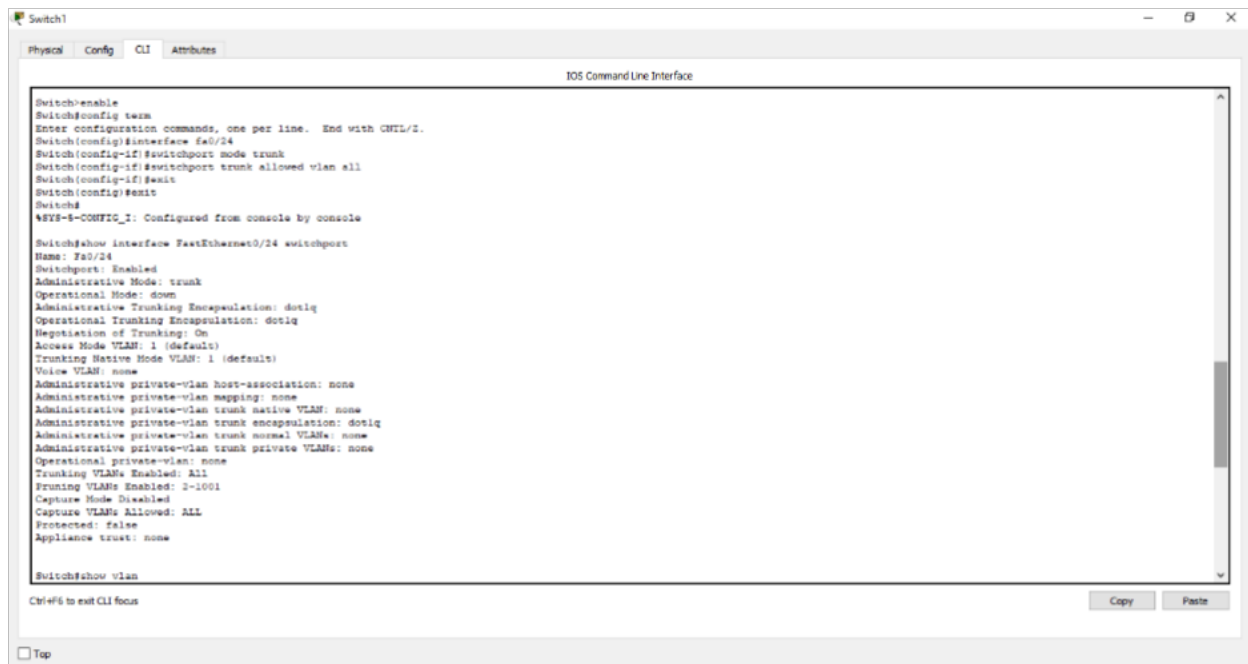
Kegiatan 2



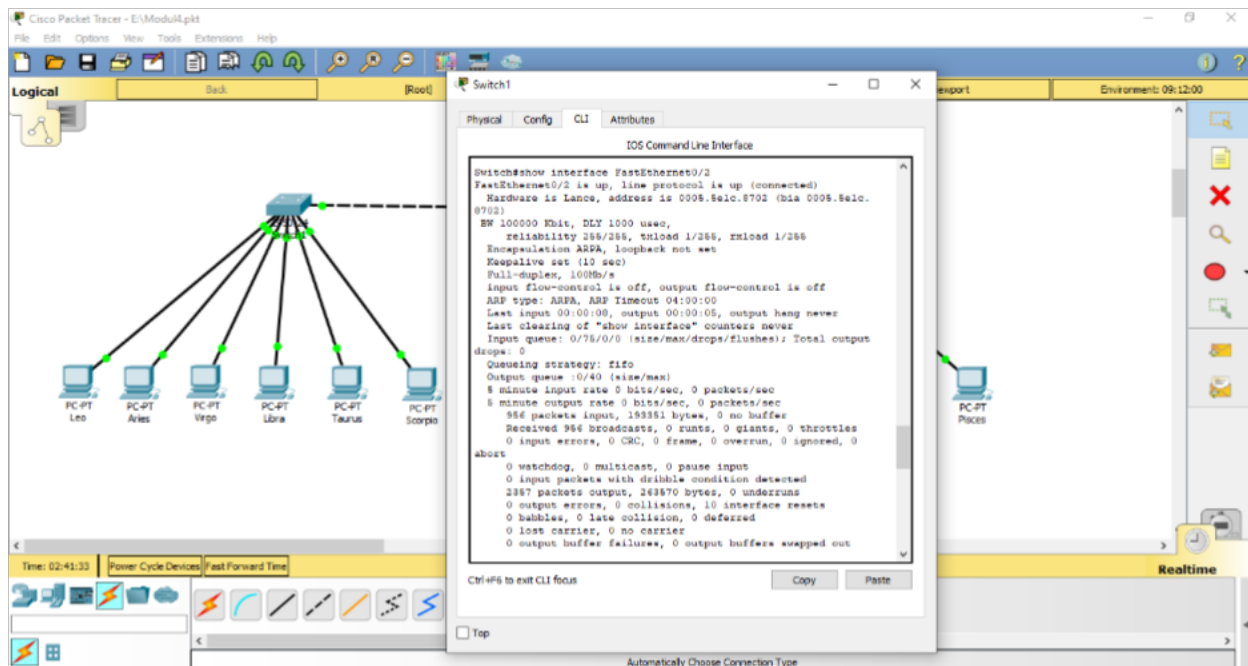
Konfigurasi Switch1

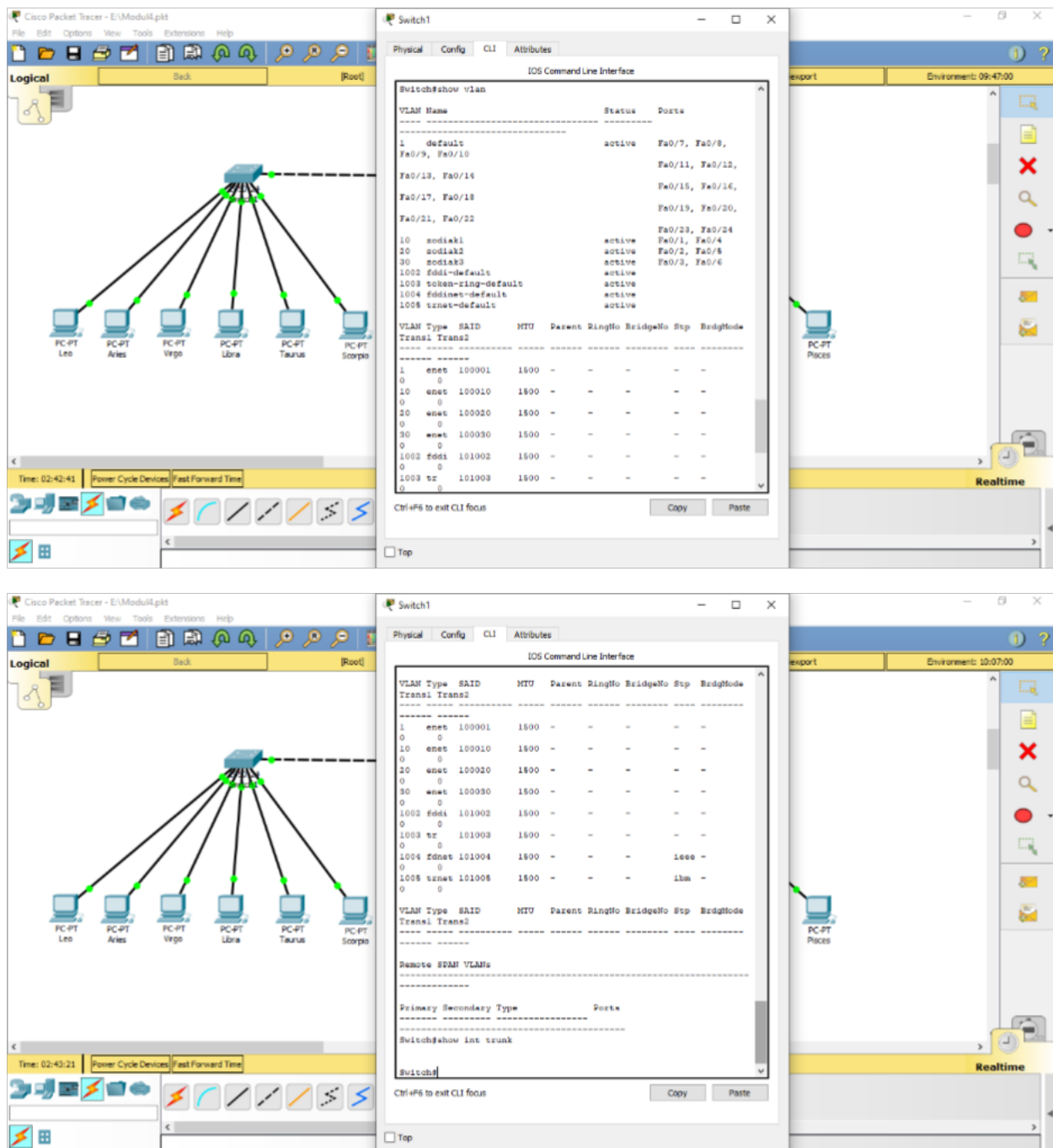


Konfigurasi VLAN trunking



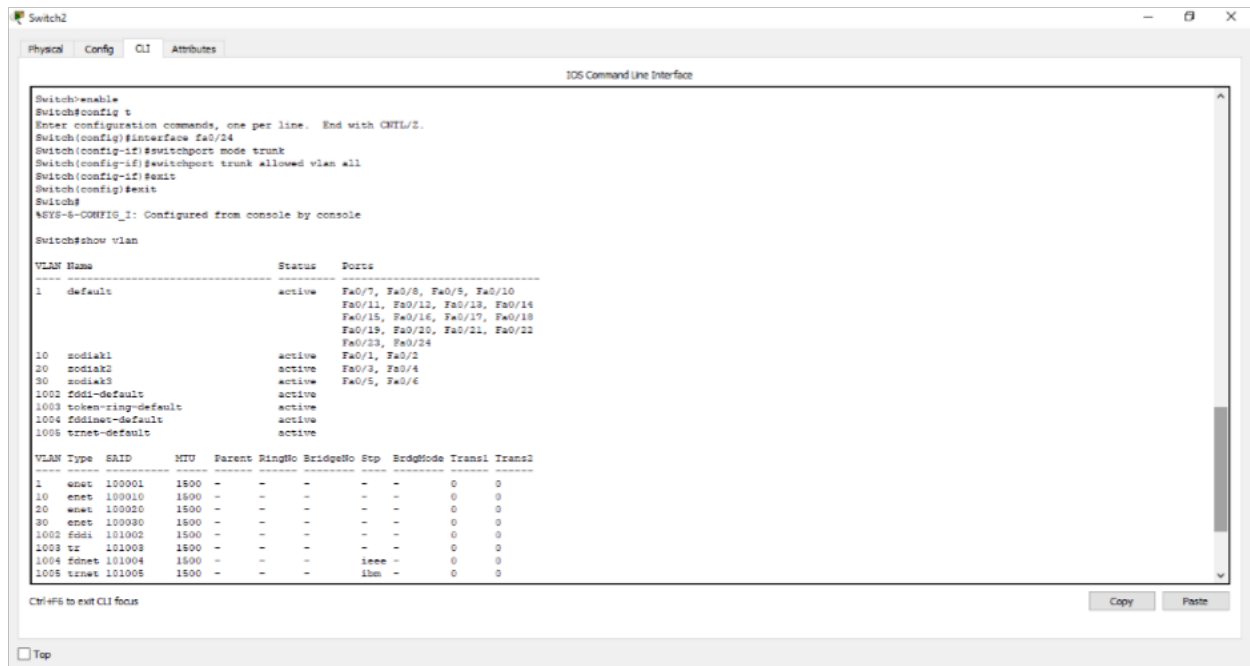
Melihat konfigurasi trunking





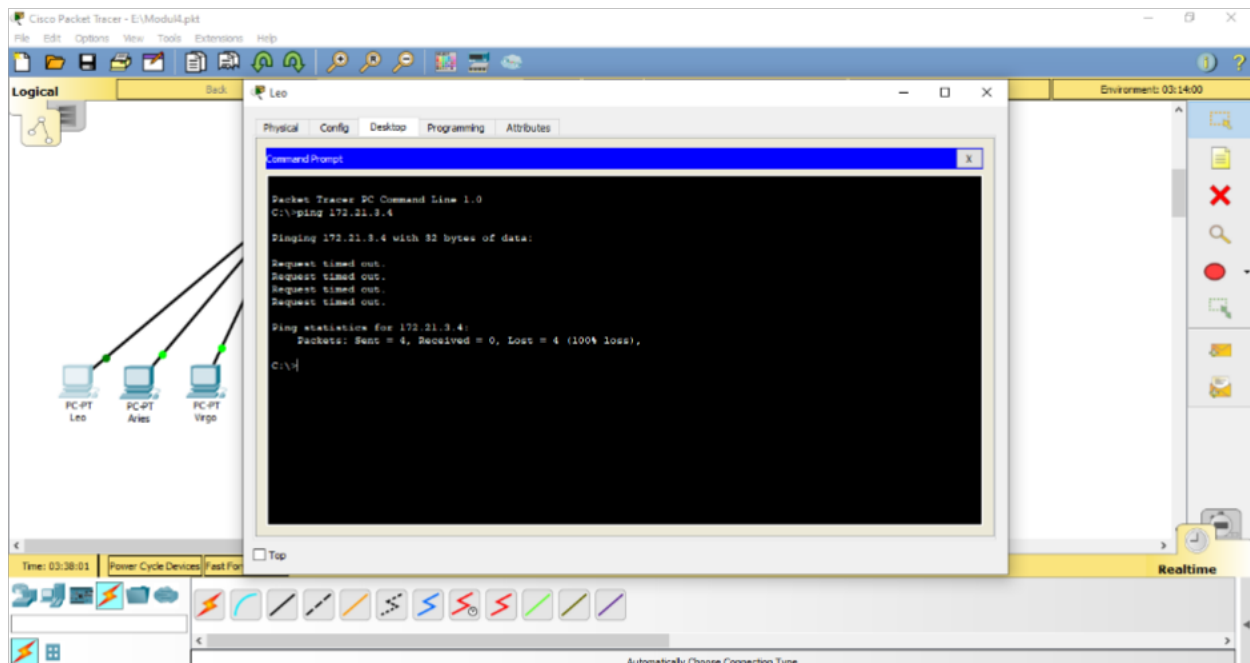
Tugas 7A: Penjelasan hasil Trunking

Trunking sendiri digunakan untuk menyediakan akses jaringan bagi banyak klien dengan berbagi satu set garis dimana disini yang berperan sebagai jalur utama fa0/24.



Tugas 8A:

Pinging PC Leo ke PC Pisces



Hasil pingung menunjukkan 'request timed out' karena vlan pada Leo dan vlan pada Pisces berbeda atau koneksi network nya berbeda maka tidak akan bisa terhubung.

Konfigurasi Switch 2 & show vlan

The screenshot displays the Packet Tracer interface with Switch2 selected. The left pane shows the 'CLI' tab with the following configuration commands:

```
Switch2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch2(config)#vlan 10
Switch2(config-vlan)#name nodiak1
Switch2(config-vlan)#exit
Switch2(config)#vlan 20
Switch2(config-vlan)#name nodiak2
Switch2(config-vlan)#exit
Switch2(config)#vlan 30
Switch2(config-vlan)#name nodiak3
Switch2(config-vlan)#exit
Switch2(config)#exit
Switch2#show vlan
```

The output of the `show vlan` command is shown below:

VLAN Name	Status	Ports
1 default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4, Fa0/7, Fa0/8, Fa0/11, Fa0/12, Fa0/15, Fa0/16, Fa0/19, Fa0/20, Fa0/23, Fa0/24
10 nodiak1	active	
20 nodiak2	active	
30 nodiak3	active	
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	

The right pane shows the network topology with a central switch connected to six PCs: Aquarius, Gemini, Cancer, Sagittarius, Capricornus, and Pisces. The interface is titled 'Switch2' and includes tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, showing the configuration and the output of the `show vlan` command.

Konfigurasi port-port switch ke dalam VLAN

The screenshot displays the Packet Tracer interface with Switch2 selected. The left pane shows the 'CLI' tab with the following configuration commands:

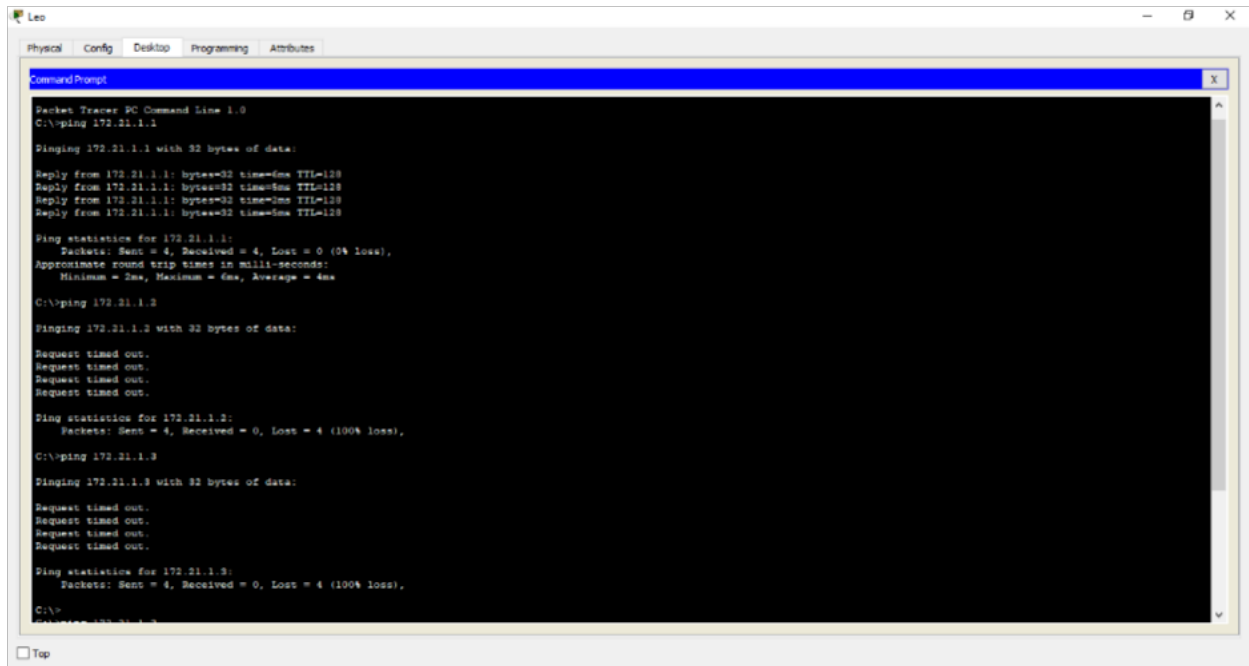
```
Switch2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch2(config)#vlan 10
Switch2(config-vlan)#name nodiak1
Switch2(config-vlan)#exit
Switch2(config)#vlan 20
Switch2(config-vlan)#name nodiak2
Switch2(config-vlan)#exit
Switch2(config)#vlan 30
Switch2(config-vlan)#name nodiak3
Switch2(config-vlan)#exit
Switch2(config)#exit
Switch2#show vlan
```

The output of the `show vlan` command is shown below:

VLAN Name	Status	Ports
1 default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/13, Fa0/14, Fa0/17, Fa0/18, Fa0/21, Fa0/22, Fa0/23, Fa0/24
10 nodiak1	active	Fa0/1, Fa0/2
20 nodiak2	active	Fa0/3, Fa0/4
30 nodiak3	active	Fa0/5, Fa0/6
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	

The right pane shows the network topology with a central switch connected to six PCs: Aquarius, Gemini, Cancer, Sagittarius, Capricornus, and Pisces. The interface is titled 'Switch2' and includes tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, showing the configuration and the output of the `show vlan` command.

Tugas 12A : ping yang dilakukan dengan vlan berbeda dan switch berbeda tidak dapat terhubung walaupun dibantu dengan trunking (Leo ke Aries, Leo ke Pisces, Libra ke Cancer dan Libra ke Leo)



```
Leo
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1
Pinging 172.21.1.1 with 32 bytes of data:
Reply from 172.21.1.1: bytes=32 time=5ms TTL=128
Reply from 172.21.1.1: bytes=32 time=5ms TTL=128
Reply from 172.21.1.1: bytes=32 time=5ms TTL=128
Reply from 172.21.1.1: bytes=32 time=5ms TTL=128
Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 5ms, Average = 5ms
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:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

☐ Tip