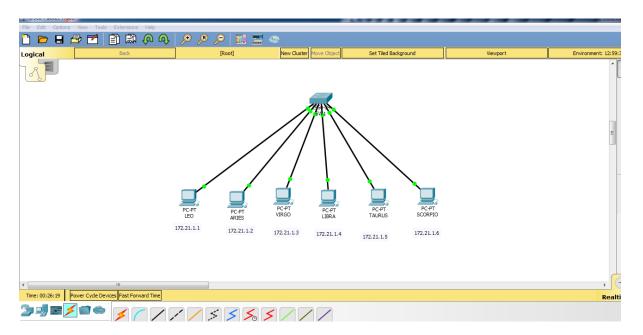
Nama : Muhammad Azmi Hidayat

Nim: L200170142

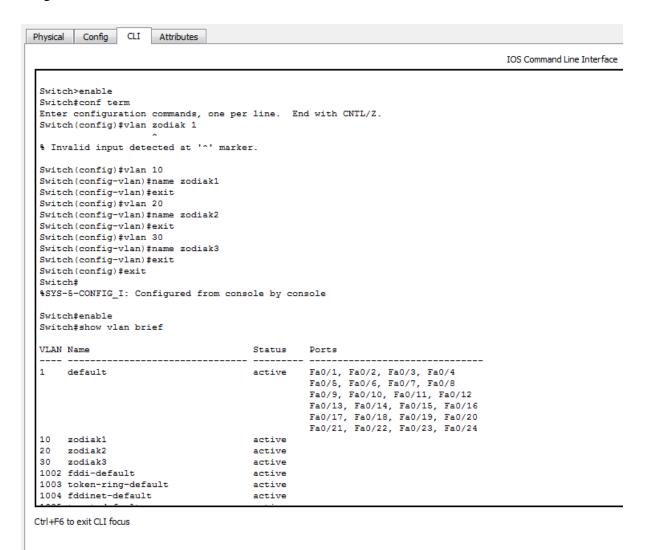
Kelas : C

Kegiatan 1

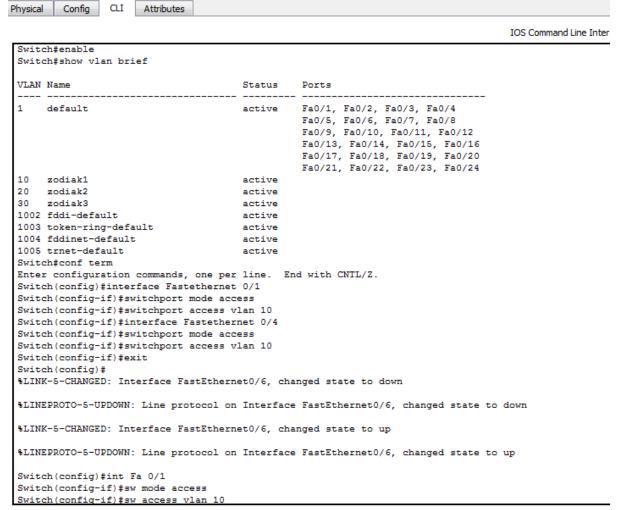
Untuk langkah no 1,2,3



Langkah No 4.



Langkah No 5.



Ctrl+E6 to exit CLI focus

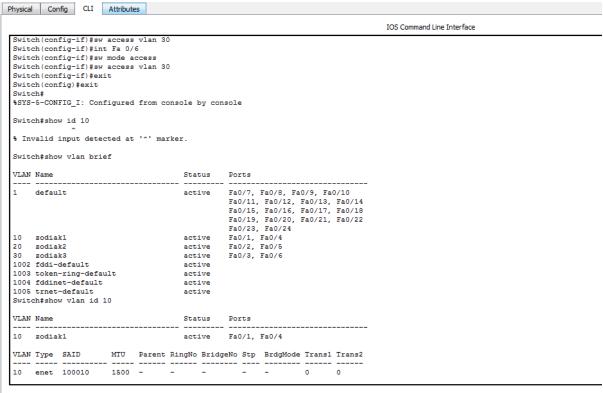
Physical Config CLI Attributes

IOS Command Line Interface

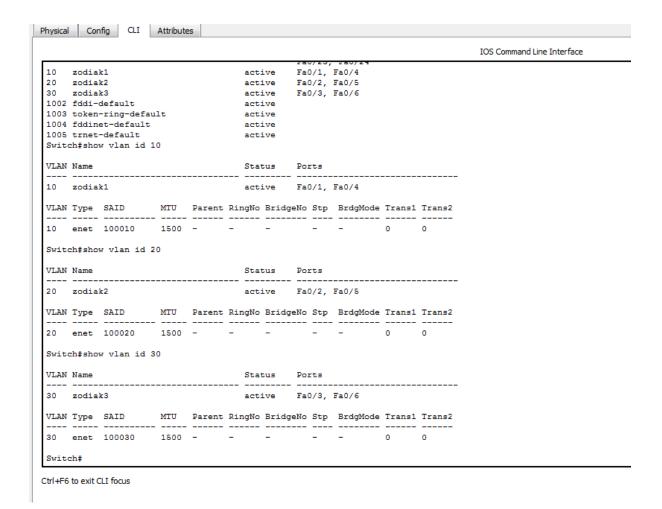
```
*LINEPROID-5-UPDOWN: Line protocol on interrace fastathernetu/6, changed state to
Switch(config) #int Fa 0/1
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 10
Switch(config-if) #int Fa 0/4
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 10
Switch(config-if) #exit
Switch(config) #int Fa 0/2
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 20
Switch(config-if) #int Fa 0/5
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 20
Switch(config-if) #exit
Switch(config) #int Fa 0/3
Switch(config-if) #sw mode access vlan 30'
% Invalid input detected at '^' marker.
Switch(config-if) #sw mode access vlan 30
% Invalid input detected at '^' marker.
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 30
Switch(config-if) #int Fa 0/6
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 30
Switch(config-if) #exit
Switch(config) #exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show id 10
% Invalid input detected at '^' marker.
```

Ctrl+F6 to exit CLI focus

Langkah No 6.



Ctrl+F6 to exit CLI focus



Tugas 6A:

No	Variabel	Nilai		
1.	Nomor Vlan	10	20	30
2.	Nama Vlan	zodiak1	zodiak2	zodiak3
3.	Port	Fa 0/1, Fa 0/4	Fa 0/2, Fa 0/5	Fa 0/3, Fa 0/6
4.	Status	Active	Active	Active

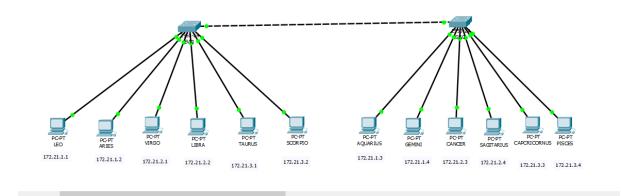
Tugas 6B:

Penjelasan dari table diatas:

- Nomor Vlan 10 nama Vlan zodiak1, memiliki port Fa 0/2(leo) dan Fa 0/4 (Libra).
 Yang sudah di konfigurasikan sesuai dengan yang ada di modul yang statusnya bersifat active. Yang setiap PC sudah mempunya Ip nya masing masing
- Nomor Vlan 20 nama Vlan zodiak1, memiliki port Fa 0/2(Aries) dan Fa 0/5 (Taurus).
 Yang sudah di konfigurasikan sesuai dengan yang ada di modul yang statusnya bersifat active. Yang setiap PC sudah mempunya Ip nya masing masing

Nomor Vlan 30 nama Vlan zodiak1, memiliki port Fa 0/3(virgo) dan Fa 0/6 (Scorpio).
 Yang sudah di konfigurasikan sesuai dengan yang ada di modul yang statusnya bersifat active. Yang setiap PC sudah mempunya Ip nya masing masing

Kegiatan 2 Untuk langkah nomor 1,2,3,4



5. untuk SW1 Sudah di sertakan pada SS an kegiatan pertama

Untuk SW2:

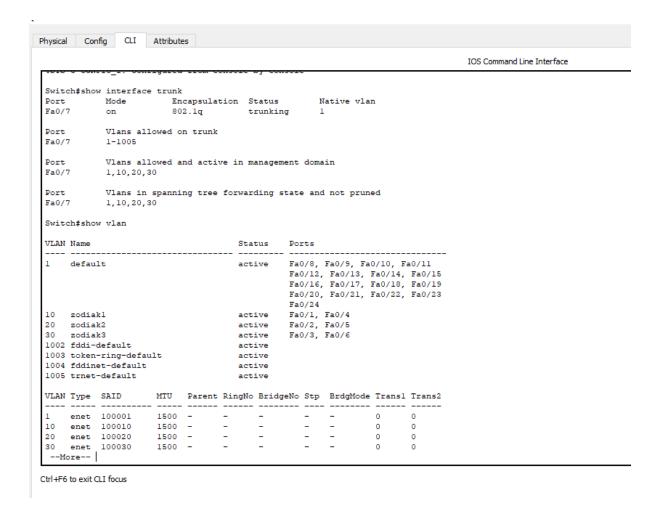
Physical Config CLI Attributes

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #vlan 10
Switch(config-vlan)#name zodiakl
Switch(config-vlan)#exit
Switch(config) #vlan 20
Switch(config-vlan) #name zodiak2
Switch(config-vlan) #exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#exit
Switch#
SYS-5-CONFIG_I: Configured from console by console
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config) #inter Fa 0/1
Switch(config-if) #switchport mode acces
Switch(config-if) #switchport access vlan 10
Switch(config-if)#inter Fa 0/2
Switch(config-if) #switchport mode access
Switch(config-if) #switchport access vlan 10
Switch(config-if)#exit
Switch(config) #int Fa 0/3
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 20
Switch(config-if)#inter Fa 0/4
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 20
Switch(config-if) #exit
Switch(config) #inter Fa 0/5
Switch(config-if) #sw mode access
Switch(config-if) #sw access vlan 30
```

Ctrl+F6 to exit CLI focus

```
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with {\tt CNTL/Z}.
Switch(config)#interface fa 0/7
Switch(config-if) #switchport mode trunk
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show interface trunk
                   Encapsulation Status Native vlan
802.lq trunking 1
       Mode
on
Fa0/7
       Vlans allowed on trunk
1-1005
Port
Fa0/7
          Vlans allowed and active in management domain
Port
          1,10,20,30
Fa0/7
           Vlans in spanning tree forwarding state and not pruned
Port
          1,10,20,30
Fa0/7
Switch#show vlan
VLAN Name
                                       Status Ports
l default
                                       active Fa0/8, Fa0/9, Fa0/10, Fa0/11
                                                 Fa0/12, Fa0/13, Fa0/14, Fa0/15
Fa0/16, Fa0/17, Fa0/18, Fa0/19
Fa0/20, Fa0/21, Fa0/22, Fa0/23
                                                  Fa0/24
                                       active Fa0/1. Fa0/4
```



7A: Penjelasan

Hasil yang diperoleh pada mode privileged pada switch 1 yaitu pada vlans allowed on trunk mempunyai nilai 1-1005 pada port fa 0/7 yang artinya menggunakan jaringan skala kecil dan menengah. Vlan allowed and active in management domain (config untuk manajemen switch) memiliki nilai 1,10,20,30. vlans spanning tree forwarding state and not pruned mempunyai nilai 1,10,20,30.

Mempunyai status trunking mode on, encapusilation 802.1q (protokol umum yang didukung oleh banyak vektor)

8. ping PC leo dan PC pisces

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.3.3

Pinging 172.21.3.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.3.3:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

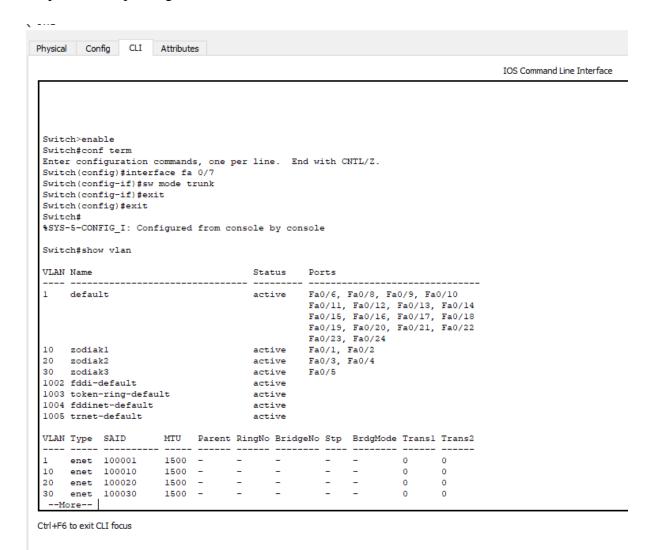
Penjelasan:

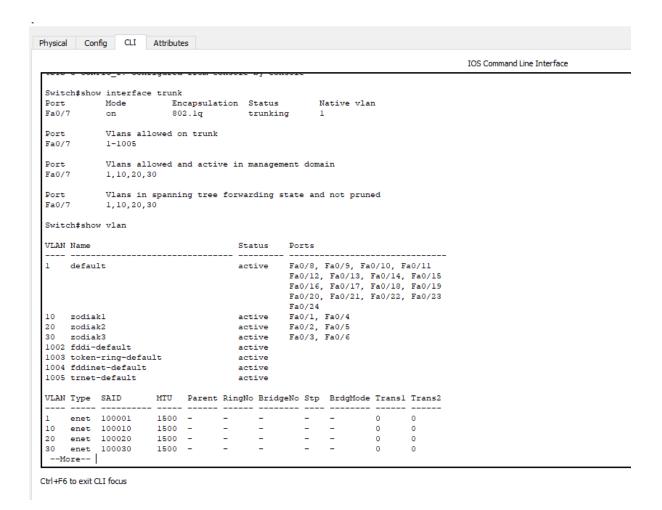
Hasil ping dari pc leo ke pc pisces bukanlah reply, tetapi request timed out (RTO), karena permintaan koneksi yang lama dan subnet address nya sudah berbeda.

9.

```
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface fa 0/7
Switch(config-if)#sw mode trunk
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#
```

10. pada Mode privileged

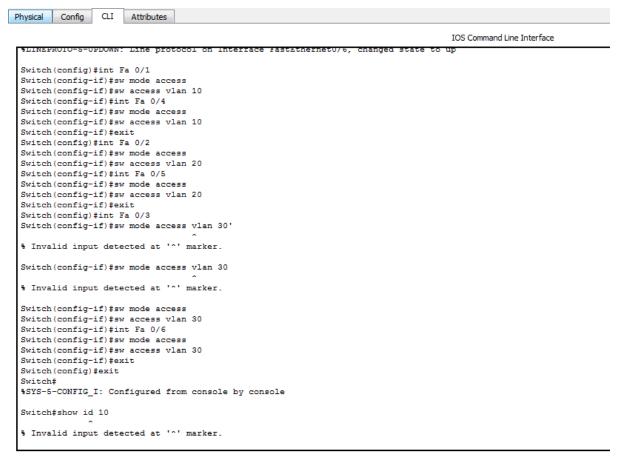




Penjelasan 10A:

Hasil yang diperoleh pada mode privileged pada switch 1 yaitu pada vlans allowed on trunk mempunyai nilai 1-1005 pada port fa 0/7 yang artinya menggunakan jaringan skala kecil dan menengah. Vlan allowed and active in management domain (config untuk manajemen switch) memiliki nilai 1,10,20,30. vlans spanning tree forwarding state and not pruned mempunyai nilai 1,10,20,30.

Mempunyai status trunking mode on, encapusilation 802.1q (protokol umum yang didukung oleh banyak vektor)



Ctrl+F6 to exit CLI focus

12.

a) Ping PC leo ke PC aries

```
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:\>
```

b) Ping PC leo ke PC aquarius

```
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<lms 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:\>
```

c) Ping PC leo ke PC pisces

```
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:\>
```

d) Ping PC libra ke PC cancer

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.2.3

Pinging 172.21.2.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.2.3:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

e) Ping PC libra ke PC leo

```
C:\>ping 172.21.1.1
Pinging 172.21.1.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

12A:

Penjelasan:

Hasil ping PC leo ke PC pisces adalah request time out permintaan koneksi yang lama dan karena subnet address nya sudah berbeda.