PRAKTIKUM JARINGAN KOMUNIKASI

PRACTICUM REPORT 4: VIRTUAL LAN & TURNING



Disusun Oleh:

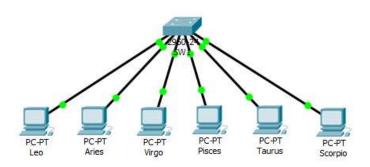
HAFSHAH FITRI AFIFAH

L200184172

INFORMATION TECHNOLOGY FACULTY OF COMMUNICATION AND INFORMATICS MUHAMMADIYAH UNIVERSITY OF SURAKARTA 2020

KEGIATAN 1 . TOPOLOGI 1

A. Gambar Topologi

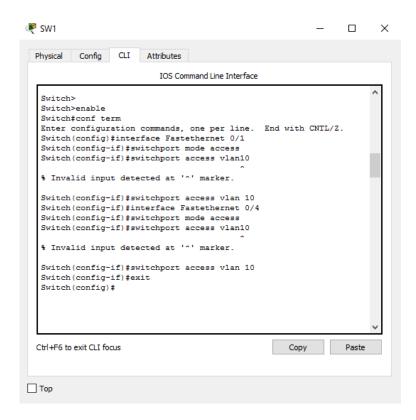


B. Membuat 3 VLAN zodiak

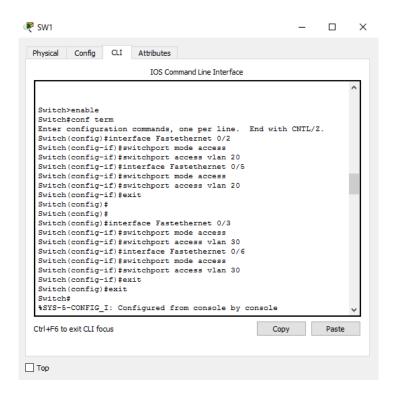


C. Membuat Konfigurasi Port Switch ke dalam VLAN zodiac

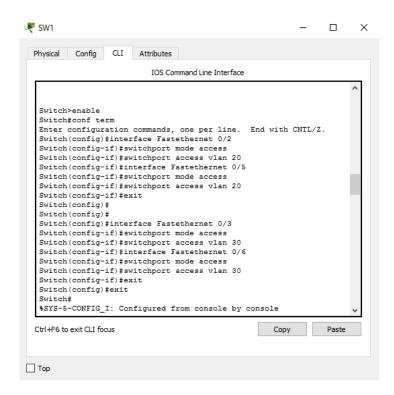
➤ Zodiak 1 = Leo dan Libra



> Zodiak 2 = Aries dan Taurus

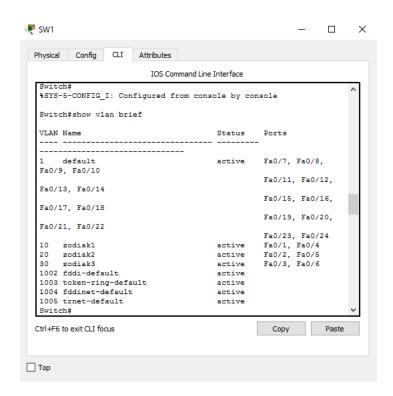


➤ Zodiak 3 = Virgo dan Scorpio

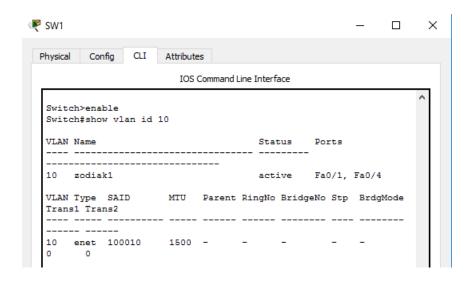


D. Melihat Konfigurasi

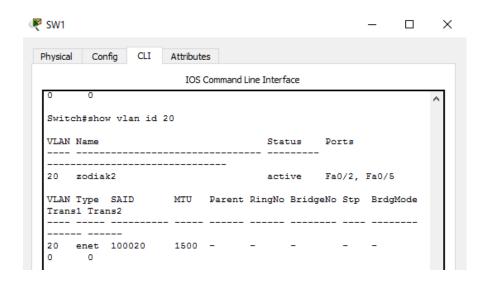
> Informasi Vlan keseluruhan



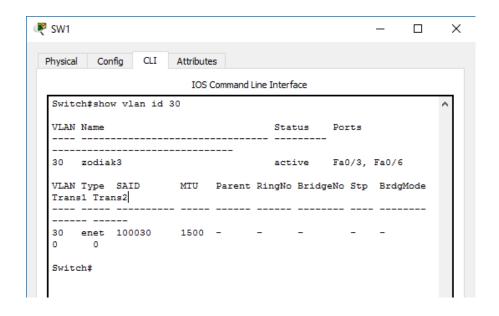
> Informasi Vlan 10



➤ Informasi Vlan 20



➤ Informasi Vlan 30



E. TUGAS 6A

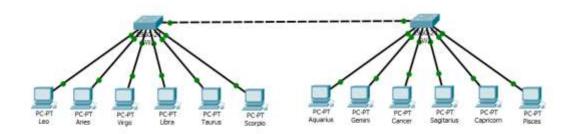
No	Variabel	Nilai			
1	Nomor VLAN	10	20	30	
2	Nama VLAN	Zodiak1	Zodiak2	Zodiak3	
3	Port	Fa 0/1, Fa 0/4	Fa 0/2, Fa 0/5	Fa 0/3, Fa 0/6	
4	Status	Active	Active	Active	

F. TUGAS 6B. Explain

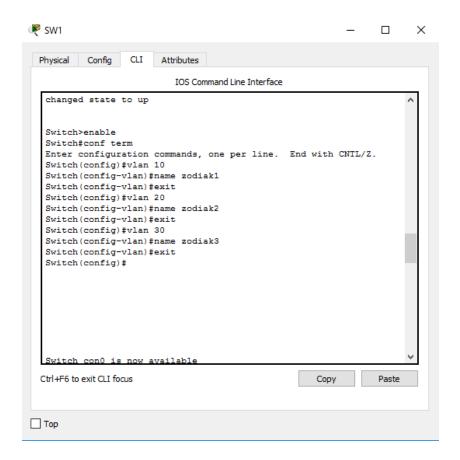
- Pada VLAN nomer 10 (zodiak1), terdapat 2 port, yaitu fa 0/1 dan fa 0/4 yang berstatus aktif
- Pada VLAN nomer 20 (zodiak2), terdapat 2 port, yaitu fa 0/2 dan fa 0/5 yang berstatus aktif
- Pada VLAN nomer 30 (zodiak3), terdapat 2 port, yaitu fa 0/3 dan fa 0/6 yang berstatus aktif

KEGIATAN 2 . TOPOLOGI 2

A. Gambar Topologi

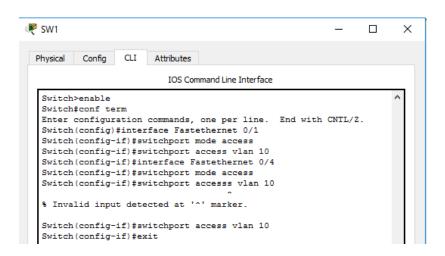


B. Membuat 3 VLAN Zodiak

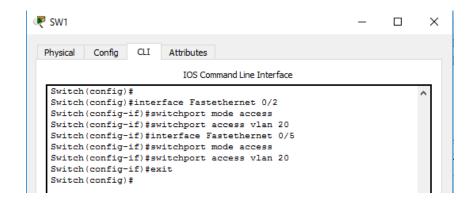


C. Membuat Konfigurasi Port Switch ke dalam VLAN zodiac

➤ Zodiak 1 = Leo dan Libra



➤ Zodiak 2 = Aries dan Taurus



➤ Zodiak 3 = Virgo dan Scorpio

```
Physical Config CLI Attributes

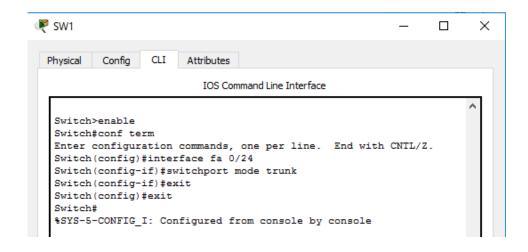
IOS Command Line Interface

SWITCH (CONTIG) #

Switch (CONTIG) #

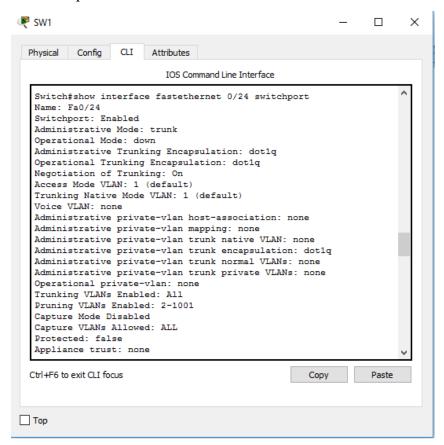
Switch (CONTIG) # | Switch (
```

D. Konfigurasi VLAN trunking pada switch 1

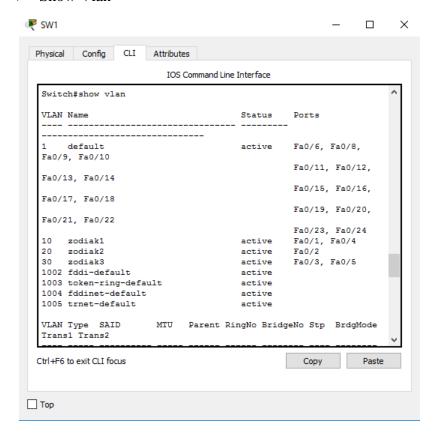


E. Konfigurasi Trunking

> Switchport



> Show Vlan



F. TUGAS 7A. EXPLAIN

Interface Fastethernet 0/24 switchport menampilkan:

Switchport: enable

Administrative mode: trunk

Operational mode: trunk

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

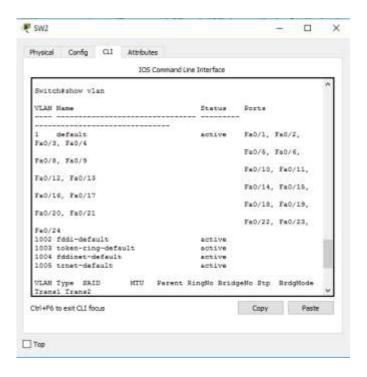
G. Ping dari PC Leo ke PC Pisces

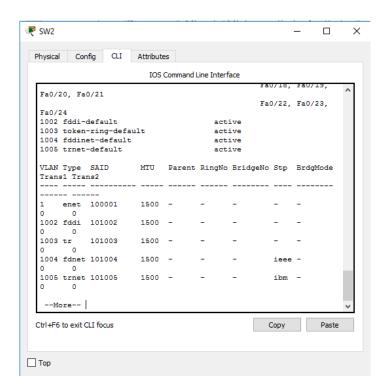
Explain: hasil dari ping di atas adalah "timed out" karena perbedaan network

H. Membuat Konfigurasi VLAN Trunking

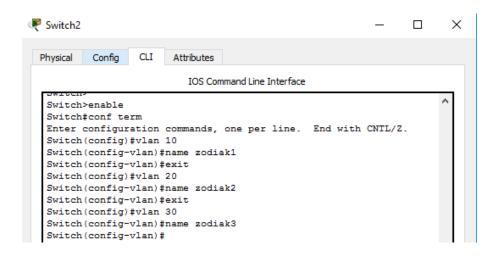
```
₹ SW2
                                                                                 ×
                                                                         Physical Config CLI
                         Attributes
                              IOS Command Line Interface
   Switch>enable
   Switch#conf term
   Enter configuration commands, one per line. End with CNTL/Z.
  {\tt Switch}\,({\tt config})\,{\tt \#int}\,\,{\tt fa}\,\,{\tt 0/24}
   Switch(config-if) #switchport mode trunk
   Switch(config-if) #exit
   Switch(config)#
   Switch(config)#exit
   Switch#
   %SYS-5-CONFIG I: Configured from console by console
```

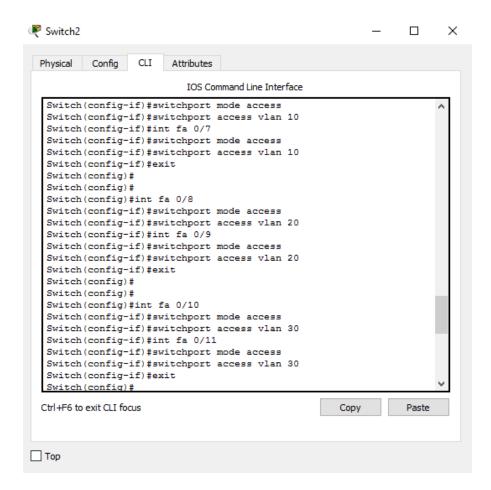
I. SHOW VLAN





J. Membuat Konfigurasi Port Switch ke dalam VLAN zodiac





K. PING

Ping Leo ke Aries

```
Physical Config Decktop Programming Attributes

Command Prompt

Societ Traces PC Command Line 1.0
C:\ping 172.21.3.4 with 32 bytes of deta:

Request timed out,

Request timed out,

Request timed out,

Pang statistics for 172.21.3.4:

Packets: Sent = 4, Decktos of data:

Request timed out,

Singing 172.21.1.2 with 82 bytes of data:

Request timed out,

Request time
```

> Ping Leo ke Aquarius

```
Physical Config Desktop Programming Attributes

Command Prompt

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

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.
Ping statistics for 172.21.1.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 172.21.1.3 with 32 bytes of data:

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

➤ Ping Leo ke Pisces

```
Physical Config Deaktop Programming Attributes

Command Prompt

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

C:\pring 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of date:

Request timed out.
Request timed out.
Request timed out.
Pring statistice for 172.21.1.3:

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

C:\pring 172.21.3.4

Pinging 172.21.3.4 with 32 bytes of date:

Request timed out.
Request timed out
```

Ping Libra ke Cancer

```
Physical Config Desking Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\pping 172.31.2.3

Pinging 172.31.2.3

Pinging 172.31.2.3 bytes of data:

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:\p|

Top
```

Ping Libra ke Leo

```
Physical Config Desktop Programming Attributes

Command Prompt

X

Packet Tracer PC Command Line 1.0
C:\Pping 172.21.2.3 with 32 bytes of data:
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:\Pping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:
Request timed out.
Ping statistics for 172.21.1.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\P
```