

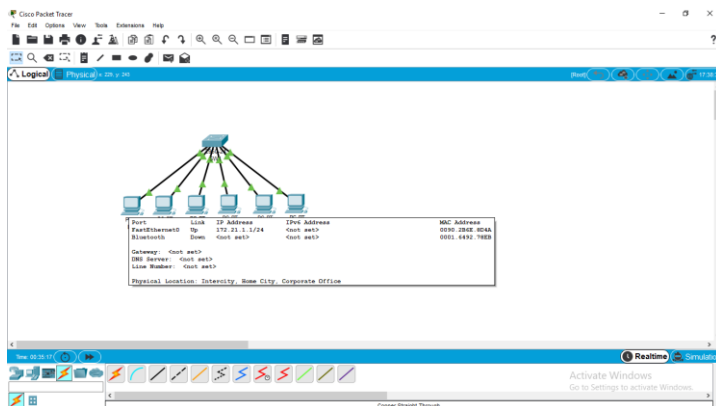
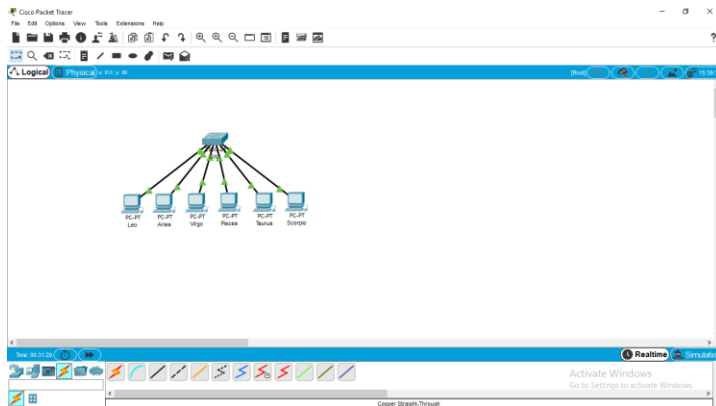
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NIM : L200170117

Kelas : C

Laporan Kegiatan Praktikum Modul 4

Kegiatan 1.

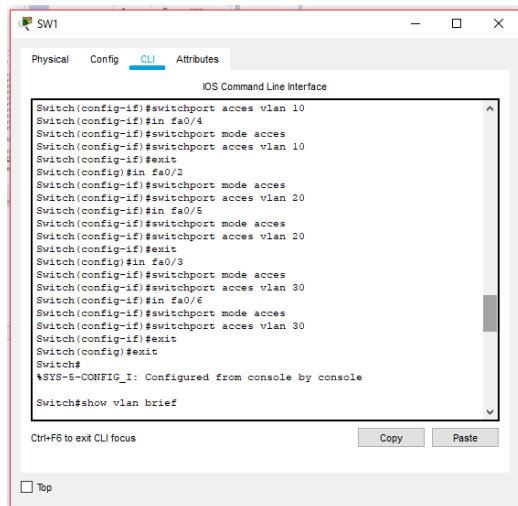


```
SW1
Physical Config CLI Attributes
IOS Command Line Interface

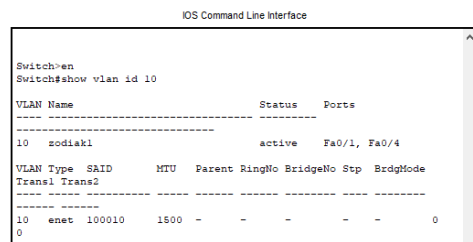
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/6,
changed state to up

Switch>en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
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)#in fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan10
Switch(config-if)#switchport access vlan10
Switch(config-if)#in fa0/4

Ctrl+F6 to exit CLI focus
```



Tugas 6A.



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

```

IOS Command Line Interface

Switch#show vlan id 20

VLAN Name                Status    Ports
-----
20  zodiak2                active    Fa0/2, Fa0/5

VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode
Trans1 Trans2
-----
20  enet  100020      1500  -    -    -    -    -    0
0

```

No	Variabel	Nilai
1	Nomor VLAN	20
2	Nama VLAN	Zodiak2
3	Port	Fa0/2 Fa0/5
4	Status	active

```

Switch#show vlan id 30

VLAN Name                Status    Ports
-----
30  zodiak3                active    Fa0/3, Fa0/6

VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode
Trans1 Trans2
-----
30  enet  100030      1500  -    -    -    -    -    0
0
Switch#

```

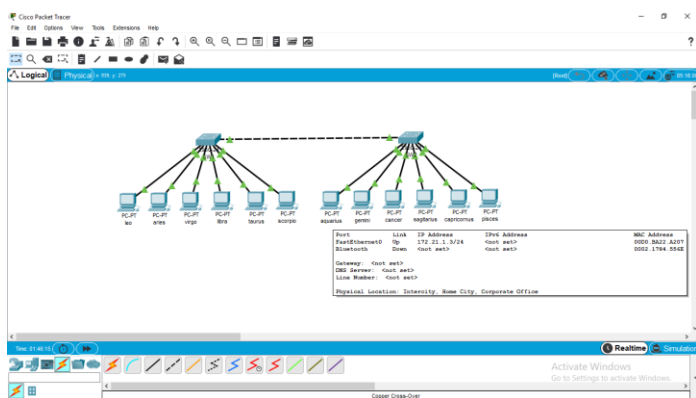
No	Variabel	Nilai
1	Nomor VLAN	30
2	Nama VLAN	Zodiak3
3	Port	Fa0/3 Fa0/6
4	Status	active

Tugas 6B.

Di tugas 6A membuat tabel tentang tampilan informasi vlan, dan penjelasan pada masing-masing tabel tersebut adalah pada tabel pertama ada vlan nomer 10 dengan nama zodiak 1 port fa0/1 terhubung dengan port fa0/4 dan memiliki status active. Lalu pada kedua vlan 20 dengan nama zodiak 2 port fa0/2 terhubung dengan port fa0/5 statusnya juga active. Pada tabel terakhir vlan 30 dengan nama vlan zodiak3 port fa0/3 terhubung dengan fa0/6 dan memiliki status active.

Kegiatan 2.

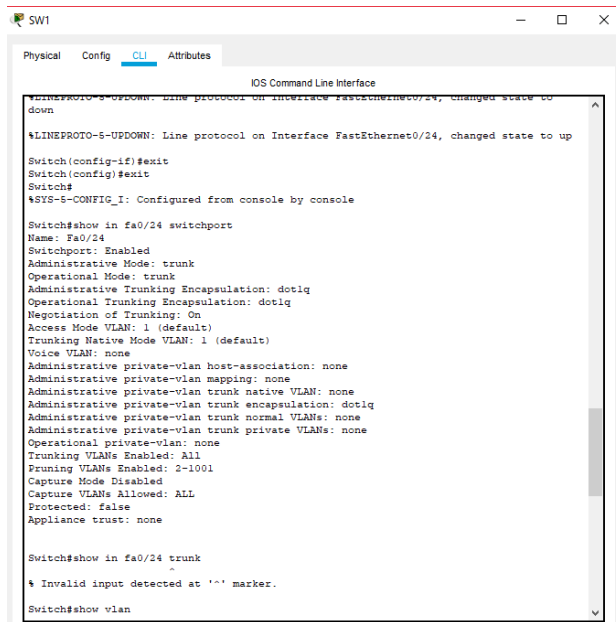
langkah pertama adalah membuat topologi dan menamai pada masing-masing PC lalu melakukan konfigurasi alamat IP pada setiap PC.



The screenshot shows a terminal window titled "SW1". The top navigation bar includes tabs for "Physical", "Config", "CLI" (which is selected), and "Attributes". Below the tabs, the title "IOS Command Line Interface" is displayed. The main area contains the following command history:

```
%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
Switch(config)#in fa0/24
Switch(config-if)#switchport mode trunk
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG I: Configured from console by console
```

Pada langkah nomer 7 setelah melakukan trunk dan switchport dan berhasil melakukan proses trunking dan menghasilkan seperti gambar dibawah :

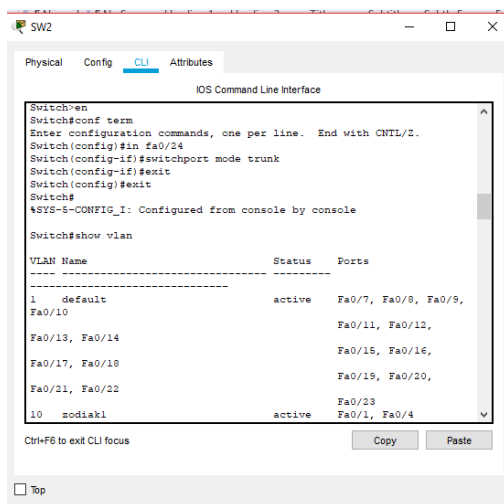


```
SW1
Physical Config CLI Attributes
IOS Command Line Interface
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/24, changed state to up
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show in fa0/24 switchport
Name: Fa0/24
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Appliance trust: none

Switch#show in fa0/24 trunk
~
% Invalid input detected at '^' marker.
Switch#show vlan
```

Tugas 8A

Dengan melakukan ping pada pc leo ke pc pisces dan memperoleh hasil 'reply', dengan begitu berarti sudah berhasil melakukan trunking.

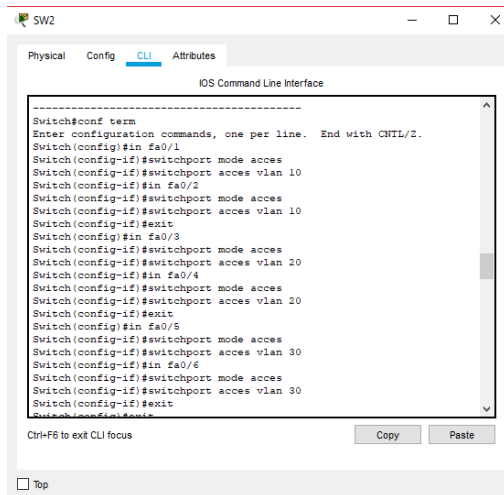


```
SW2
Physical Config CLI Attributes
IOS Command Line Interface
Switch#en
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#in fa0/24
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show vlan

VLAN Name                Status    Ports
-----
1  default                active    Fa0/7, 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
10 zodiaki                active    Fa0/1, Fa0/4
```

Tugas 10A

Setelah melakukan langkah 10, akan ada tampilan dari vlan seperti gambar diatas dan tampilanya keseluruhan.



Tugas 12A

Setelah melakukan perintah ping pada pc leo ke aries dan semua seperti perintah di modul pada langkah 12 tidak menghasilkan 'reply' dan hasilnya 'request timw out' semua. Dan alasanya mengapa tidak dapat 'reply' masih belum saya ketahui.