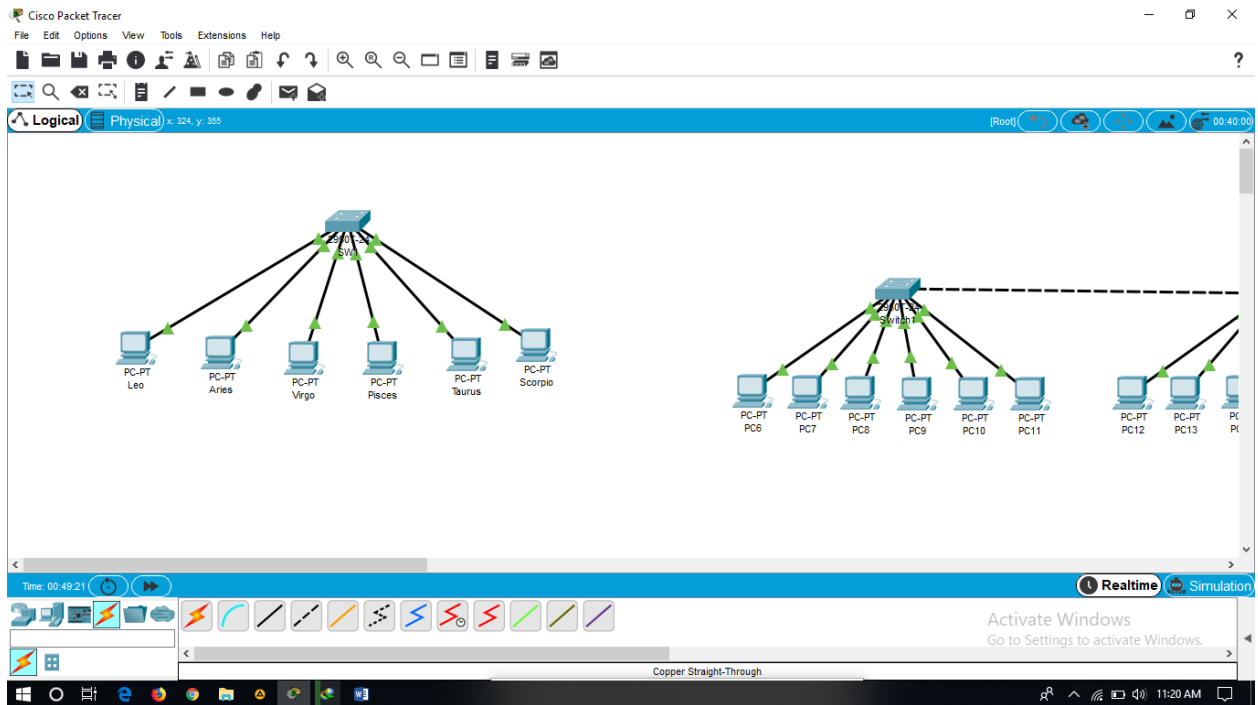


## Kegiatan 1



SW1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show interface FastEthernet0/5, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/5, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/6, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/6, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5, changed state to up
%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 zodiak1
^
% Invalid input detected at '^' marker.

Switch(config)#vlan zodiak2
^
% Invalid input detected at '^' marker.

Switch(config)#vlan zodiak1
^
% Invalid input detected at '^' marker.

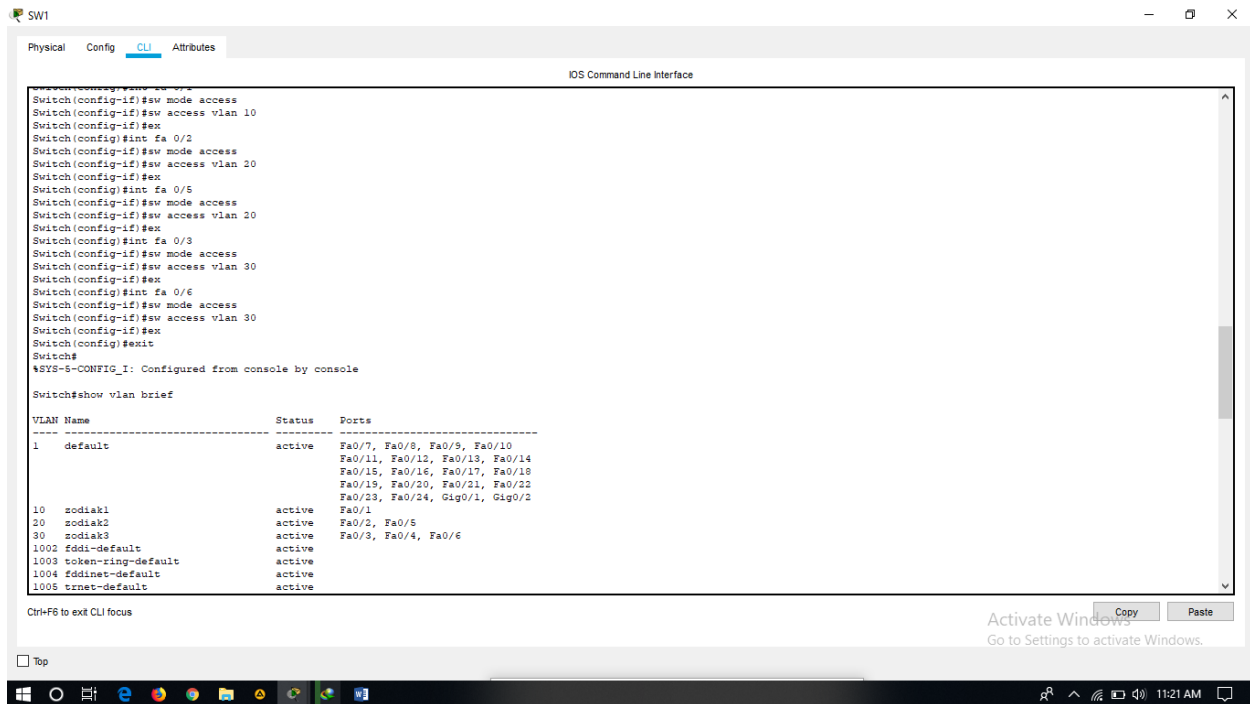
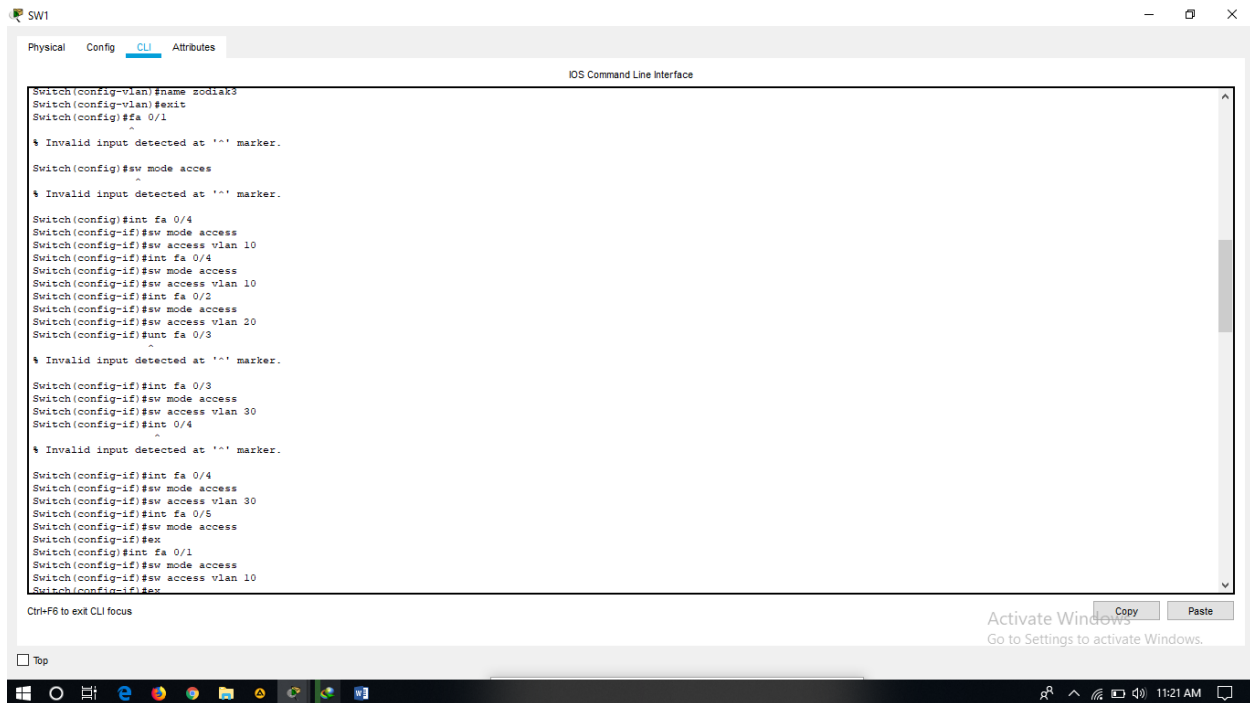
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
Switch(config-vlan)#exit
Switch(config)#vlan zodiak2
^
% Invalid input detected at '^' marker.

Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#v lan 30
% Ambiguous command: "v lan 30"
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#fa 0/1

Ctrl+F6 to exit CLI focus
```

Copy Paste

Activate Windows Go to Settings to activate Windows.



SW1

Physical Config **CLI** Attributes

IOS Command Line Interface

```

1002 fddi-default          active
1003 token-ring-default    active
1004 fddinet-default        active
1005 trnet-default          active
Switch#con term
$ Ambiguous command: "con term"
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa 0/4
Switch(config-if)#sw access mode
$ Invalid input detected at '^' marker.

Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#ex
Switch(config)#ex
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#show vlan brief

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, Fa0/24, Gig0/1, Gig0/2
10   zodiak1                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
1005 trnet-default          active
Switch#show vlan id 2
VLAN id 2 not found in current VLAN database
Switch#show vlan id 20

```

Ctrl+F6 to exit CLI focus

Copy Paste

Activate Windows  
Go to Settings to activate Windows.

Top

SW1

Physical Config **CLI** Attributes

IOS Command Line Interface

```

Switch#show vlan id 2
VLAN id 2 not found in current VLAN database
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 Transl Trans2
-----
20   enet  100020   1500   -     -     -     -     -     0     0

Switch#show vlan id 10

VLAN Name                Status    Ports
-----
10   zodiak1                active    Fa0/1, Fa0/4

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp   BrdgMode Transl Trans2
-----
10   enet  100010   1500   -     -     -     -     -     0     0

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 Transl Trans2
-----
30   enet  100030   1500   -     -     -     -     -     0     0

Switch#
Switch#
Switch#

```

Ctrl+F6 to exit CLI focus

Copy Paste

Activate Windows  
Go to Settings to activate Windows.

Top

## Tugas 6A

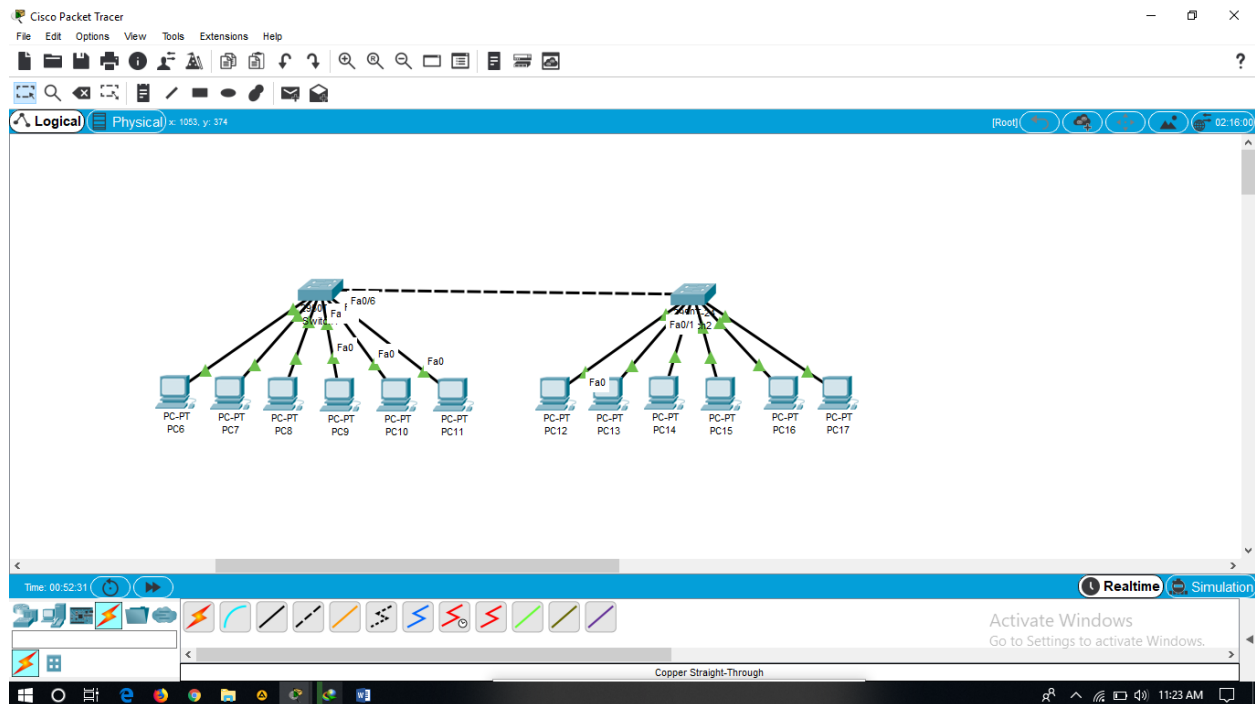
| No | Variable   | Nilai            |
|----|------------|------------------|
| 1  | Nomor vlan | 10               |
| 2  | Nama vlan  | Zodiac 1         |
| 3  | Port       | Fa0/1 dan fa 0/4 |
| 4  | status     | aktif            |

| No | Variable   | Nilai            |
|----|------------|------------------|
| 1  | Nomor vlan | 20               |
| 2  | Nama vlan  | Zodiac 2         |
| 3  | Port       | Fa0/2 dan fa 0/5 |
| 4  | status     | Aktif            |
| No | Variable   | Nilai            |
| 1  | Nomor vlan | 30               |
| 2  | Nama vlan  | Zodiac 3         |
| 3  | Port       | Fa0/3 dan fa 0/6 |
| 4  | status     | Aktif            |

Tugas 6B hasil yang diperoleh tugas 6A :

Dengan melakukan tugas diatas kita tahu bahwa VLAN (Virtual Local Area Network) mengijinkan suatu switch untuk memisahkan port ke dalam group group yang berbeda (VLAN VLAN), sehingga trafik trafik yang ada pada VLAN akan dijaga terhadap VLAN lain. Dengan begitu kita akan mudah membangun sebuah jaringan.

## Kegiatan 2



7A

```
Switch#show interface fa 0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 10 (ndiahi)
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
```

Tugas 8A

Hasil ping adalah request time out

Tugas 10A

Hasilnya adalah status tidak act/unsup

| VLAN Name |                    | Status    | Ports  |
|-----------|--------------------|-----------|--|
| 1         | default            | active    | Fa0/2, Fa0/3, Fa0/4, Fa0/5<br>Fa0/6, Fa0/7, Fa0/8, Fa0/9<br>Fa0/10, Fa0/11, Fa0/12, Fa0/13<br>Fa0/14, Fa0/15, Fa0/16, Fa0/17<br>Fa0/18, Fa0/19, Fa0/20, Fa0/21<br>Fa0/22, Fa0/23, Fa0/24 |
| 1002      | fddi-default       | act/unsup |  |
| 1003      | token-ring-default | act/unsup |  |
| 1004      | fddinet-default    | act/unsup |  |
| 1005      | trnet-default      | act/unsup |  |

| VLAN Type | SAID  | MTU    | Parent | RingNo | BridgeNo | Stp | BrdgMode | Trans1 | Trans2 |
|-----------|-------|--------|--------|--------|----------|-----|----------|--------|--------|
| 1         | enet  | 100001 | 1500   | -      | -        | -   | -        | 0      | 0      |
| 1002      | fddi  | 101002 | 1500   | -      | -        | -   | -        | 0      | 0      |
| 1003      | tr    | 101003 | 1500   | -      | -        | -   | -        | 0      | 0      |
| 1004      | fdnet | 101004 | 1500   | -      | -        | -   | ieee     | 0      | 0      |
| 1005      | trnet | 101005 | 1500   | -      | -        | -   | ibm      | 0      | 0      |

--More--

%CDP-4-NATIVE\_VLAN\_MISMATCH: Native VLAN mismatch discovered on FastEthernet0/1 (1), with Switch FastEthernet0/1 (10).

| VLAN Type | SAID  | MTU   | Parent | RingNo | BridgeNo | Stp  | BrdgMode | Trans1 | Trans2 |
|-----------|-------|-------|--------|--------|----------|------|----------|--------|--------|
| ----      | ----- | ----- | -----  | -----  | -----    | ---- | -----    | -----  | -----  |

Tugas 12A

Hasil dari ping yang dilakukan rto atau request time out pada semua pc yang di tentukan