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Kelas: D

## Kegiatan 1. Topologi 1

The image displays the Cisco Packet Tracer interface. The top window shows a network topology with a central switch (SW1) connected to six PCs: Leo, Arles, Virgo, Libra, Taurus, and Scorpio. The bottom window shows the configuration of the switch (SW1) in the CLI mode.

**SW1 Configuration:**

```
Switch(config-if)#exit
Switch(config)#int fa0/4
Switch(config-if)#switchport access vlan 10
Switch(config-if)#switchport mode access
% Invalid input detected at '^' marker.
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#int fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#int fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#end
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
10	zodiak1	active	Fa0/1, Fa0/4
20	zodiak2	active	Fa0/2, Fa0/5
30	zodiak3	active	Fa0/3, Fa0/6
1002	fdi-default	active	
1003	token-ring-default	active	
1004	fdi-default	active	
1005	trnet-default	active	

SW1

Physical Config CLI Attributes

IOS Command Line Interface

```
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
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 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#
```

Ctrl+F6 to exit CLI focus

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Top

## Tugas 6A:

NO	Variabel	Nilai
1	Nomor VLAN	10
2	Nama VLAN	Zodiak 1
3	Port	Fa0/1, Fa0/4
4	Status	active

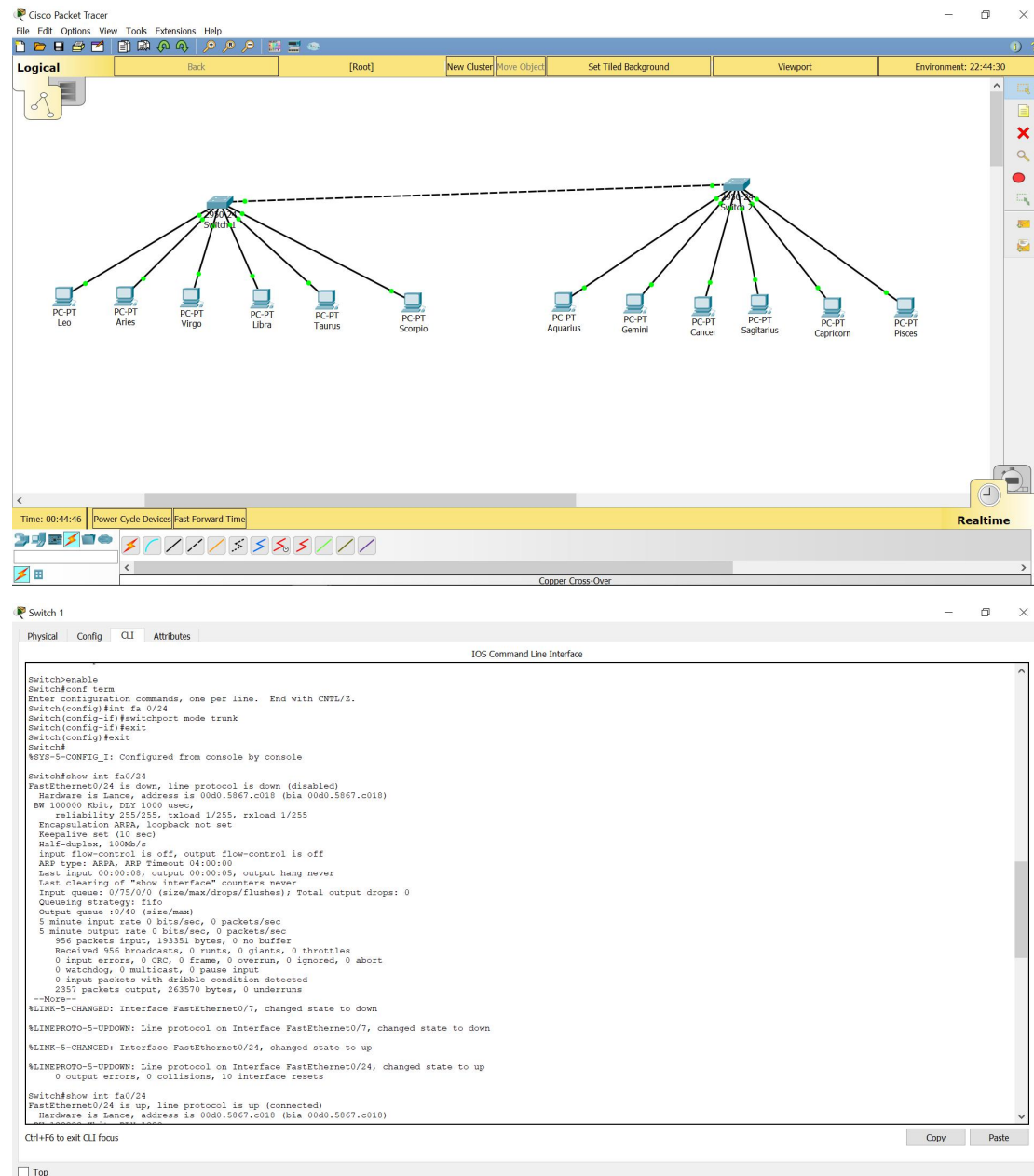
NO	Variabel	Nilai
1	Nomor VLAN	20
2	Nama VLAN	Zodiak 2
3	Port	Fa0/2, Fa0/5
4	Status	active

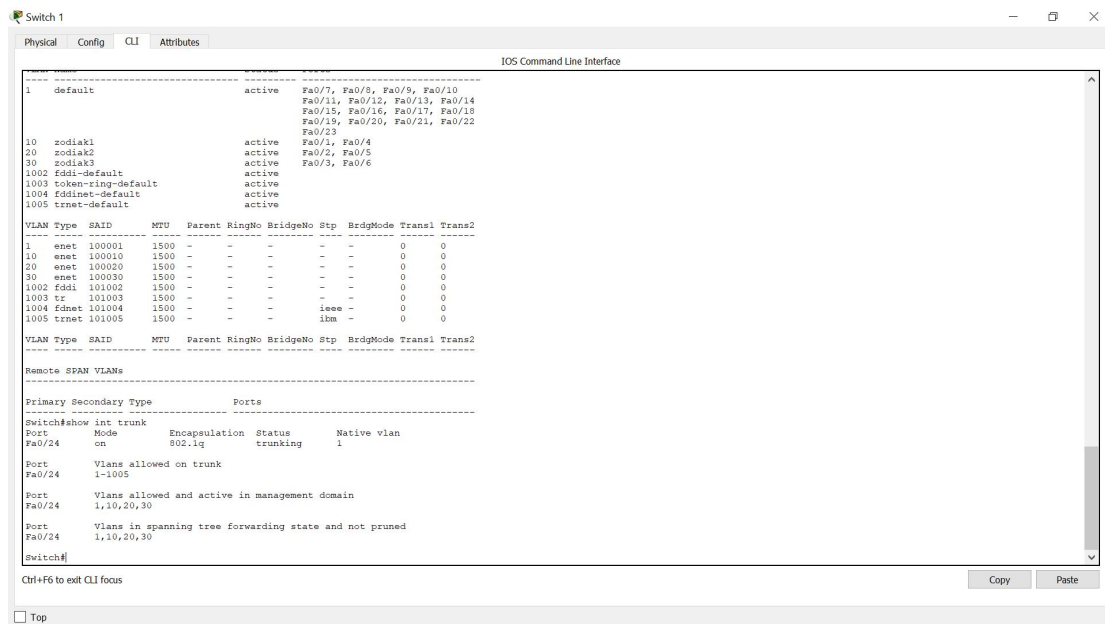
NO	Variabel	Nilai
1	Nomor VLAN	10
2	Nama VLAN	Zodiak 3
3	Port	Fa0/3, Fa0/6
4	Status	active

## Tugas 6B:

Dibuat 3 VLAN yaitu Zodiak1, Zodiak2, Zodiak3 yang masing-masing berisi 2 port dan semuanya berstatus aktif.

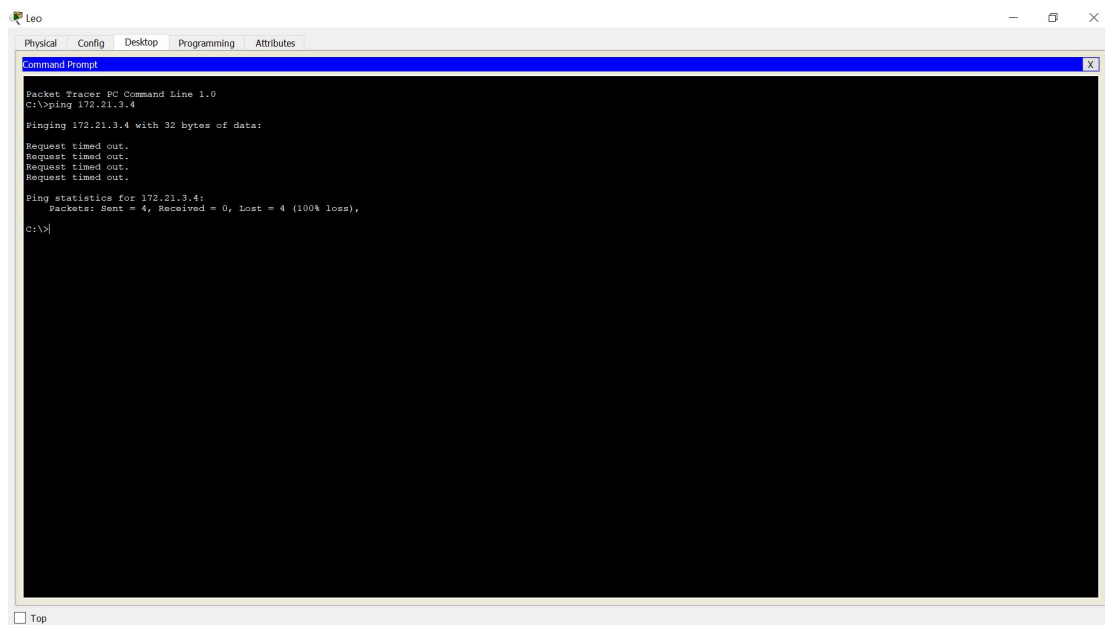
## Kegiatan 2. Topologi 2





## Tugas 7A:

Hasil dari trunking yaitu VLAN dari switch 1 diperluas melalui port Fa 0/24 menuju Switch 2



## Tugas 8A:

Terjadi Request timed out karena berbeda network walaupun sudah dilakukan trunking dan disambungkan ke sesama VLAN ID.

Switch 2

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#int fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/24    auto      n-802.1q       trunking    1

Port      Vlans allowed on trunk
Fa0/24    1-1005

Port      Vlans allowed and active in management domain
Fa0/24    1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/24    1,10,20,30

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   zodiak1              active    Fa0/1, Fa0/2
20   zodiak2              active    Fa0/3, Fa0/4
30   zodiak3              active    Fa0/5, Fa0/6
1002 fddi-default          active
1003 tokenring-default    active
1004 fddinet-default     active
1005 trnet-default       active

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp    BrdgMode Transl Trans2
-----
1    enet  100001    1500   -      -      -      -      -      0      0
10   enet  100010    1500   -      -      -      -      -      0      0
20   enet  100020    1500   -      -      -      -      -      0      0
30   enet  100030    1500   -      -      -      -      -      0      0
--More--

```

Ctrl+F6 to exit CLI focus

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☐ Top

## Tugas 10A:

Switch 2

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#enable
Switch#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int fa0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan10
^
% Invalid input detected at '^' marker.

Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#int fa0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#int fa0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#int fa0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/24    auto      n-802.1q       trunking    1

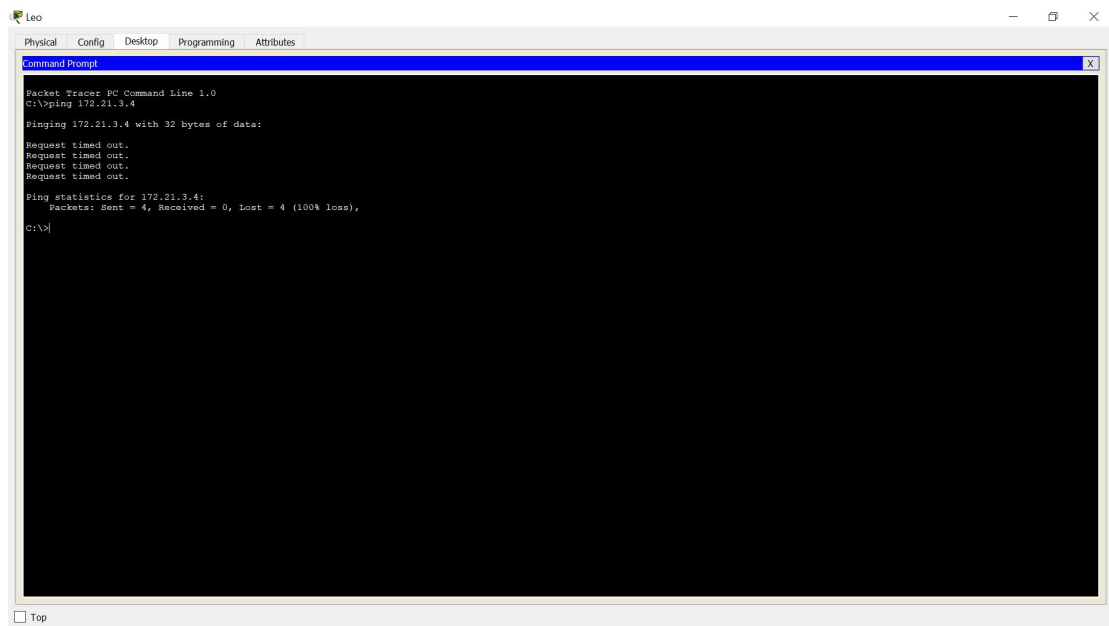
Port      Vlans allowed on trunk
Fa0/24    1-1005

```

Ctrl+F6 to exit CLI focus

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Tetap terjadi Request timed out karena berbeda network walaupun sudah ditrunking dan sesama VLAN ID.