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D

Tugas Modul_4

6A.

No	Variable	Nomor
1	Nomor VLAN	10
2	Nama VLAN	zodiak1
3	Port	Fa 0/1, Fa 0/4
4	Status	active

No	Variable	Nomor
1	Nomor VLAN	20
2	Nama VLAN	zodiak2
3	Port	Fa 0/2, Fa 0/5
4	Status	active

No	Variable	Nomor
1	Nomor VLAN	30
2	Nama VLAN	zodiak3
3	Port	Fa 0/3, Fa 0/6
4	Status	active

6B. Penjelasan singkat pada tabel 6A

Pada setiap pc sudah dikelompokkan pada vlan 10, 20 dan 30.

- Pada vlan 10 dengan nama 'zodiak1' yaitu leo(Fa 0/1) dan libra(Fa 0/4) dengan status aktif.
- Pada vlan 20 dengan nama 'zodiak2' yaitu aries(Fa 0/2) dan taurus(Fa 0/5) dengan status aktif.
- Pada vlan 30 dengan nama zodiak3 yaitu virgo(Fa 0/3) dan scorpio(Fa 0/6) dengan status aktif

7A. Jelaskan konfigurasi trunking switch 1

The first screenshot shows the configuration of a switch (Switch1) in the CLI. The configuration is as follows:

```
Switch1#
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 (sodiak1)
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

Switch1#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/24    on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/24    1-1005

Port      Vlans allowed and active in management domain
Fa0/24    1,10,20,80

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/24    1,10,20,80

Switch1#
```

The second screenshot shows the status of the switch (Switch1) in the CLI. The status is as follows:

```
Switch1#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   sodiak1                 active    Fa0/1, Fa0/4
20   sodiak2                 active    Fa0/2, Fa0/5
30   sodiak3                 active    Fa0/3, Fa0/6
1002 fddi-default            active
1003 token-ring-default      active
1004 fddinet-default         active
1005 trnet-default          active

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp  BrgMode Trans1 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
1002 fddi     101002    1500    -      -      -      -      0      0
1003 tr      101003    1500    -      -      -      -      0      0
1004 fdnet   101004    1500    -      -      -      ieee  0      0
1005 trnet   101005    1500    -      -      -      ibn    0      0

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp  BrgMode Trans1 Trans2
-----

Remote SPAN VLANs
-----

Primary Secondary Type      Ports
-----

Switch>
Switch>
Switch>
```

Ctrl+P5 to exit CLI focus

Gambar diatas menunjukan status dari konfigurasinya telah active

8A. Jelaskan Ping Pc Leo e Pc Pisces mengapa bisa reply

```

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1: bytes=32 time=3ms TTL=128
Reply from 172.21.1.1: bytes=32 time=3ms TTL=128
Reply from 172.21.1.1: bytes=32 time=1ms TTL=128
Reply from 172.21.1.1: bytes=32 time=2ms TTL=128

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 3ms, Average = 2ms

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:\>
  
```

Karena adanya perbedaan alamat IP Address maka hasilnya adalah Request Timed Out (RTO)

10A. Jelaskan konfigurasi trunking pada switch 2

```

Switch2#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   sdiak1                  active    Fa0/1, Fa0/4
20   sdiak2                  active    Fa0/2, Fa0/5
30   sdiak3                  active    Fa0/3, Fa0/6
1002 fddi-default          active
1003 token-ring-default    active
1004 fddinet-default       active
1005 trnet-default         active

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrgdMode Trans1 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
1002 fddi     101002    1500  -     -     -     -     0      0
1003 tr      101003    1500  -     -     -     -     0      0
1004 fdnnet  101004    1500  -     -     -     -     0      0
1005 trnet  101005    1500  -     -     -     -     0      0

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrgdMode Trans1 Trans2
-----
Remote SPAN VLANs
-----
Primary Secondary Type      Ports
-----
Switch#
Switch#
  
```

Menunjukkan semua status pada vlan telah active

12A. Jelaskan Ping Pc :

- Ping Pc Leo ke Pc Aries : Request timed out
- Ping Pc Leo ke Pc Aquarius : Request timed out
- Ping Pc Leo ke Pc Pisces : Request timed out
- Ping Pc Libra ke Pc Cancer : Request timed out
- Ping Pc Libra ke Pc Leo : Replay