


<b>Soal Praktikum</b> <i>Practicum Case</i>	
<b>COMP6372</b> <b>Computer Networks</b>	
<b>Teknik Informatika</b> <i>Computer Science</i>	CS- COMP6372 -Var02
<b>Periode Berlaku Mulai</b> Semester Ganjil 2018/2019 <i>Valid on Odd Semester Year 2018/2019</i>	<b>Revisi 00</b> <i>Revision 00</i>

### Learning Outcomes

- Describe basic structures of network
- Explain basic concepts of network

### Topic

- Session 05 - VLAN

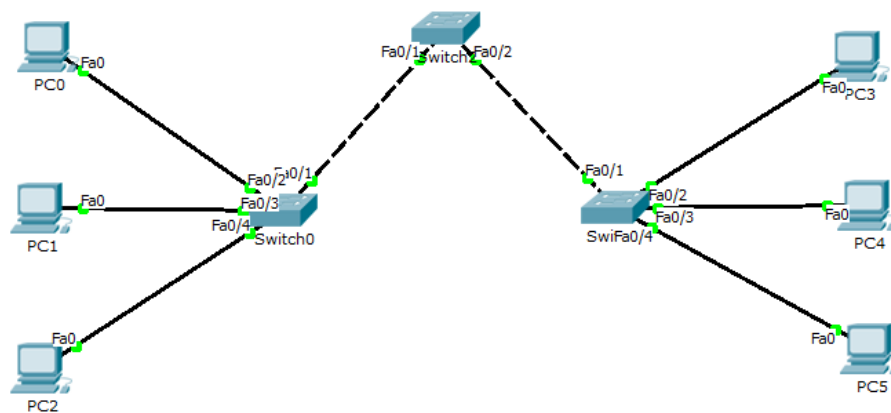
### Sub Topics

- Switch and Cisco CLI command
- Creating VLAN
- VLAN Trunk

### Soal

*Case*

#### Study case



#### PC Configurations

Device (Hostname)	Interface	IP Address	Subnet Mask	Default Gateway	VLAN
S1	VLAN 99	172.17.99.11	/24	N/A	-
S2	VLAN 99	172.17.99.12	/24	N/A	-
S3	VLAN 99	172.17.99.13	/24	N/A	-
PC1	NIC	172.17.10.21	/24	172.17.10.1	VLAN 10
PC2	NIC	172.17.20.22	/24	172.17.20.1	VLAN 20
PC3	NIC	172.17.30.23	/24	172.17.30.1	VLAN 30
PC4	NIC	172.17.10.24	/24	172.17.10.1	VLAN 10
PC5	NIC	172.17.20.25	/24	172.17.20.1	VLAN 20
PC6	NIC	172.17.30.26	/24	172.17.30.1	VLAN 30

### Initial Port Assignments (Switches 2 and 3)

Ports	Assignment	Network
Fa0/1 – 0/5	802.1q Trunks (Native VLAN 99)	172.17.99.0 /24
Fa0/6 – 0/10	VLAN 30 – Guest	172.17.30.0 /24
Fa0/11 – 0/17	VLAN 10 – Faculty/Staff	172.17.10.0 /24
Fa0/18 – 0/24	VLAN 20 – Students	172.17.20.0 /24

With using CLI, please configure with below spesification :

- Make 6 PC, configure IP address, subnet mask, and default Gateway on all PC
- Rename all PC with 3 digit initial your name
- Make 3 switch, rename switch with char “S” + initial your name
- Confifure Switch1 pass is **Tom**, Switch2 pass is **Jerry**, and Switch3 pass is **Shizuka**
- Configure VLAN on switch on each interface
- Configure VLAN trunk on Fa0/1 on each switch
- Ping each PC intra VLAN, and ping each PC inter VLAN

**If you don’t understand, please ask your assistant!**