Soal Praktikum *Practicum Case* COMP6372 Computer Networks	BINUS UNIVERSITY
Teknik Informatika *Computer Science*	CS- COMP6372 -Var01
Periode Berlaku Mulai Semester Ganjil 2018/2019 ***Valid on*** *Odd Semester Year* 2018/2019	**Revisi 00** *Revision 00*

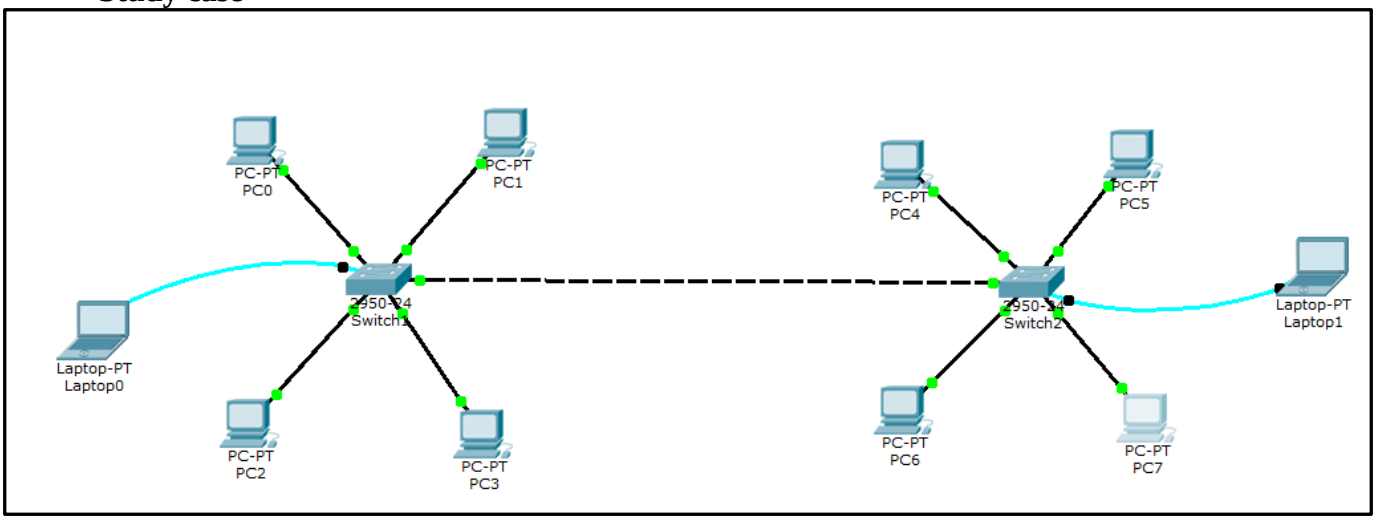
Learning Outcomes
- Describe basic structures of network
- Explain basic concepts of network

Topic
- Session 04 - VLAN

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

Soal
Case

Study case



Create topology as below, with network information

- Make 2 switch, 1 switch consist 4 PC
- PC0 on Switch0 : 192.168.1.1/24
- PC1 on Switch0 : 192.168.1.2/24
- PC2 on Switch0 : 192.168.1.3/24
- PC3 on Switch0 : 192.168.1.4/24
- PC4 on Switch1 : 192.168.1.5/24
- PC5 on Switch1 : 192.168.1.6/24
- PC6 on Switch1 : 192.168.1.7/24
- PC7 on Switch1 : 192.168.1.8/24
- PC8 on Switch1 : 192.168.1.9/24

Connection list

- S0FE0/1 → S1FE0/1
- PC0FE0 → S0FE0/2
- PC1FE0 → S0FE0/3
- PC2FE0 → S0FE0/4
- PC3FE0 → S0FE0/5
- PC4FE0 → S1FE0/2
- PC5FE0 → S1FE0/3
- PC6FE0 → S1FE0/4
- PC7FE0 → S1FE0/5

CLI command

Description	Keyboard short cut
User mode	`Switch>`
Enter Privilege mode	`Switch>enable`
Privileged mode	`Switch#`
Enter configuration mode	`Switch#configure terminal`
Global Config mode	`Switch(config)#`
Enter Interface mode	`Switch(config)#interface fa0/1`
Interface mode	`Switch(config-if)`
Return to global configuration	`Switch(config-if)exit`
Exit Global Config mode	`Switch(config)#exit`
Return to use mode	`Switch#disable`
Logout	`Switch>exit`

With Cisco CLI command, do all task below

- On Switch0 give password : Pass0, and on Switch1 give password : Pass1
- Rename Switch0 to S1, and Switch2 to S2
- Show all ip that connect to switch
- Show all interface on each switch
- Show interface that up on each switch
- On each switch, show switch MAC table
- On S1, ping PC0 to PC1, show switch MAC table
- On S1, ping PC0 to PC2, show switch MAC table
- On S2, ping PC5 to PC6, show switch MAC table
- On S2, ping PC6 to PC7, show switch MAC table
- On S1, ping PC0 to PC6, show switch MAC table
- On S2, ping PC5 to PC3, show switch MAC table

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