Soal Praktikum *Practicum Case* COMP6372 Computer Networks	**BINUS** **UNIVERSITY**
Teknik Informatika *Computer Science*	CS- COMP6372 -Var02
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

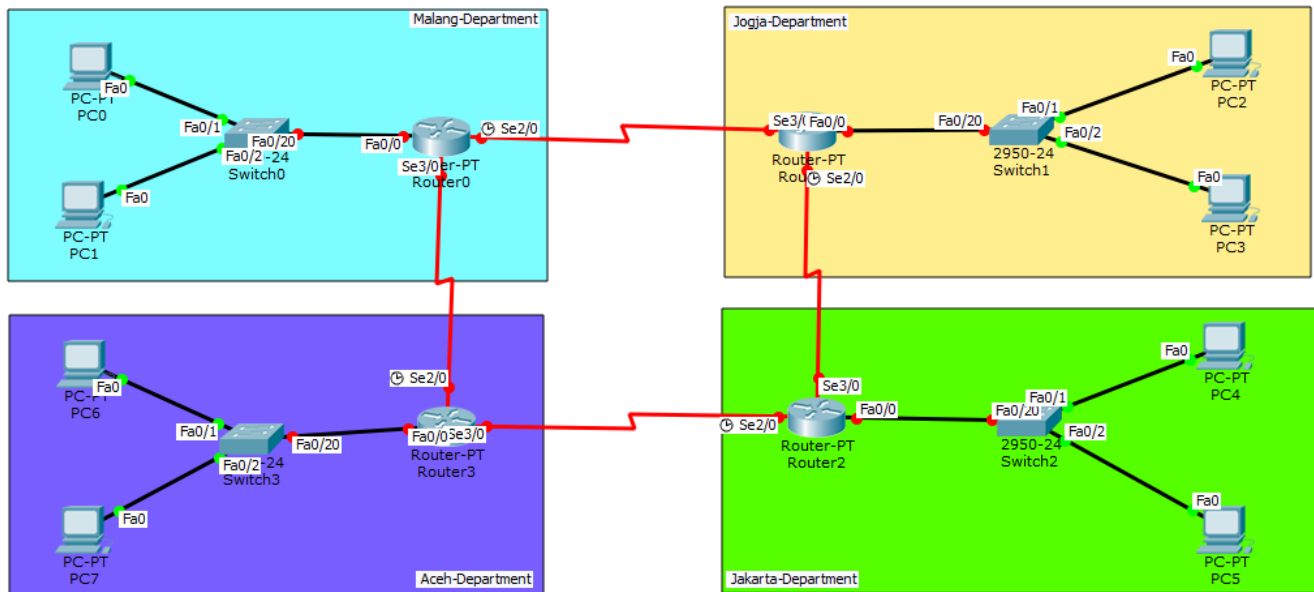- Session 08 – Routing Techniques Dynamic Routing

Sub Topics

- Configuring RIP with GUI
- Configuring RIP with CLI
- Load balancing with RIP

Soal
Case

Study case

Device configuration

Hardware	Port / Interfaces	IP Address	Gateway	Prefix
Router-0	Serial 2/0	159.100.198.25		/28
Router-1	Serial 3/0	159.100.198.18		/28
Router-1	Serial 2/0	98.167.53.37		/28
Router-2	Serial 3/0	98.167.53.40		/28
Router-2	Serial 2/0	200.182.93.36		/28
Router-3	Serial 3/0	200.182.93.45		/28
Router-3	Serial 2/0	167.145.94.17		/28
Router-0	Serial 3/0	167.145.94.29		/28
PC-0	Fa0	10.172.192.4	10.172.192.1	/28
PC-1	Fa0	10.172.192.8	10.172.192.1	/28
PC-2	Fa0	192.168.100.6	192.168.100.1	/28
PC-3	Fa0	192.168.100.11	192.168.100.1	/28
PC-4	Fa0	172.16.39.7	172.16.39.1	/28
PC-5	Fa0	172.16.39.2	172.16.39.1	/28
PC-6	Fa0	10.10.1.5	10.10.1.1	/28
PC-7	Fa0	10.10.1.10	10.10.1.1	/28

With using CLI, please configure with below spesification :

- Configure all device based on table configuration, dont forget rename all router according to their location
- Give nick name on each device with 3 digit your name
- Configure **ALL** router with Dynamic RIP routing to provide routing for all PC
- Verify routing table with print all routing table on each router
- Verify connection with ping from all PC that connected through different router.
- You must submit 3 document:
    - Pkt file
    - Capture ping and topology (in word)
    - CLI command, also run command **show run** on each router

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