NAMA: ANNAS FAGIAT

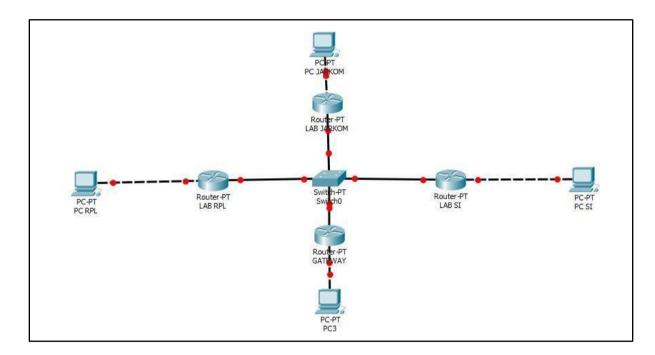
NIM: L200170163

KELAS: D

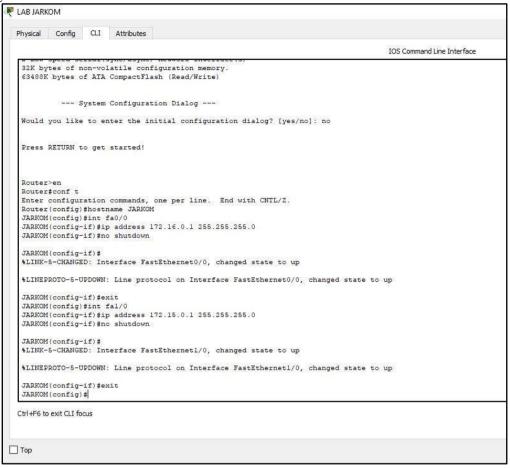
PRAKTIKUM MODUL 10 JARINGAN KOMPUTER

(Perancangan Jaringan Laboratorium Sederhana Menggunakan Packet Tracer)

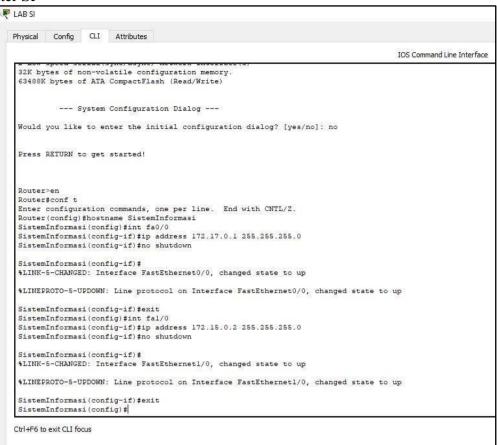
1. Buat topologi seperti pada gambar.



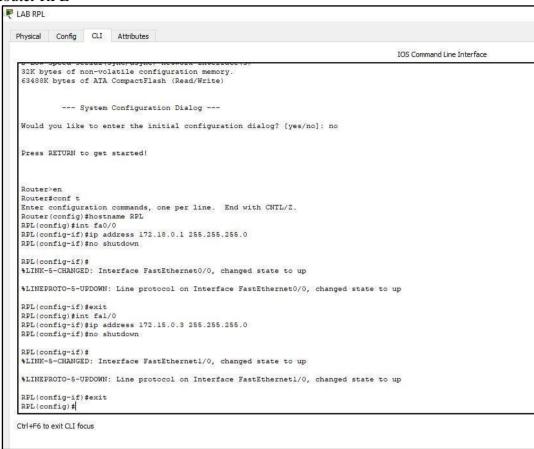
2. Konfigurasi semua router a. Router Jarkom



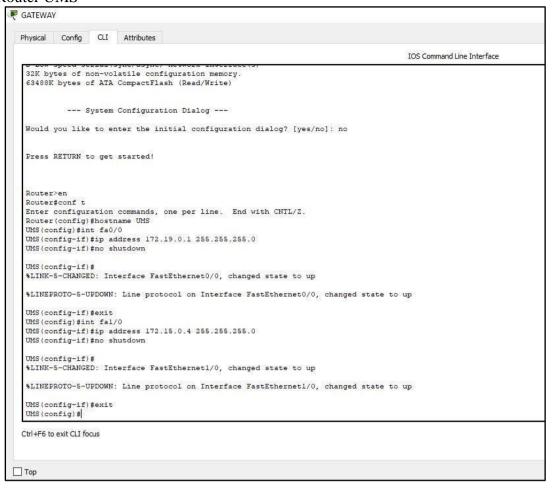
b. Router SI



c. Router RPL



d. Router UMS



3. Konfigurasi routing table pada 4 router

a. Router Jarkom

```
JARKOM(config) #router rip

JARKOM(config-router) #network 172.15.0.0

JARKOM(config-router) #networj 172.16.0.0

% Invalid input detected at '^' marker.

JARKOM(config-router) #network 172.16.0.0

JARKOM(config-router) #network 172.17.0.0

JARKOM(config-router) #network 172.18.0.0

JARKOM(config-router) #network 172.18.0.0

JARKOM(config-router) #network 172.19.0.0

JARKOM(config-router) #network 172.19.0.0
```

b. Router SI

```
SistemInformasi(config) #router rip
SistemInformasi(config-router) #network 172.15.0.0
SistemInformasi(config-router) #network 172.16.0.0
SistemInformasi(config-router) #network 172.17.0.0
SistemInformasi(config-router) #network 172.18.0.0
SistemInformasi(config-router) #network 172.19.0.0
SistemInformasi(config-router) #
```

Ctrl+F6 to exit CLI focus

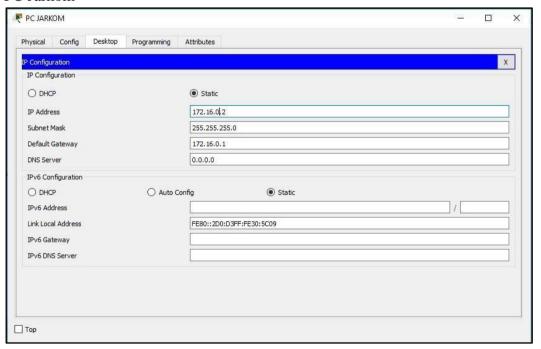
c. Router RPL

```
RPL(config) #router rip
RPL(config-router) #network 172.15.0.0
RPL(config-router) #network 172.16.0.0
RPL(config-router) #network 172.17.0.0
RPL(config-router) #network 172.18.0.0
RPL(config-router) #network 172.19.0.0
RPL(config-router) #
```

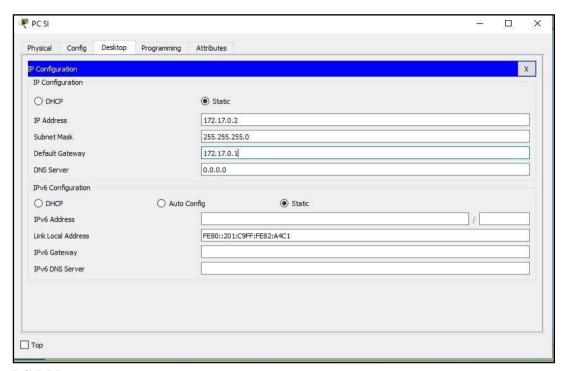
d. Router UMS

```
UMS(config) #router rip
UMS(config-router) #network 172.15.0.0
UMS(config-router) #network 172.16.0.0
UMS(config-router) #network 172.17.0.0
UMS(config-router) #network 172.18.0.0
UMS(config-router) #network 172.18.0.0
UMS(config-router) #network 172.19.0.0
```

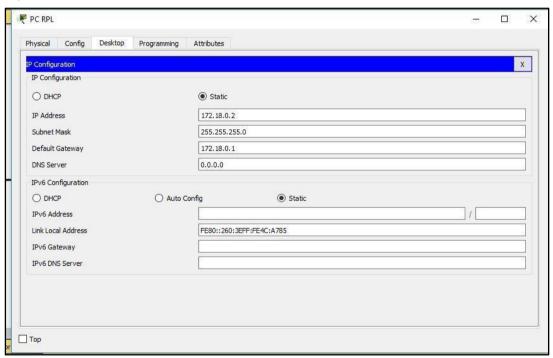
- 4. Konfigurasi IP pada masing-masing PC
 - a. PC Jarkom



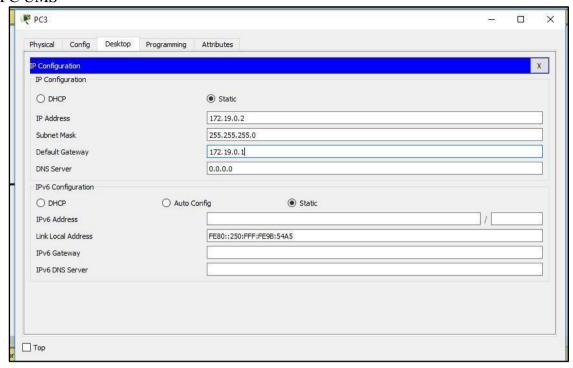
b. PC SI



c. PC RPL



d. PC UMS



5. Lakukan pengujian ICMP request(ping) untuk test koneksi a. PC UMS ke PC Jarkom

```
C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=lms TTL=126

Reply from 172.16.0.2: bytes=32 time=12ms TTL=126

Reply from 172.16.0.2: bytes=32 time=12ms TTL=126

Reply from 172.16.0.2: bytes=32 time=12ms TTL=126

Ping statistics for 172.16.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = lms, Maximum = 12ms, Average = 9ms
```

b. PC UMS ke PC SI

```
C:\>ping 172.18.0.2

Pinging 172.18.0.2 with 32 bytes of data:

Reply from 172.18.0.2: bytes=32 time<lms TTL=126
Reply from 172.18.0.2: bytes=32 time=15ms TTL=126
Reply from 172.18.0.2: bytes=32 time=19ms TTL=126
Reply from 172.18.0.2: bytes=32 time=12ms TTL=126

Ping statistics for 172.18.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 19ms, Average = 11ms

C:\>
```

c. PC UMS ke PC RPL

```
C:\>ping 172.17.0.2

Pinging 172.17.0.2 with 32 bytes of data:

Reply from 172.17.0.2: bytes=32 time<lms TTL=126

Reply from 172.17.0.2: bytes=32 time=19ms TTL=126

Reply from 172.17.0.2: bytes=32 time=10ms TTL=126

Reply from 172.17.0.2: bytes=32 time=12ms TTL=126

Ping statistics for 172.17.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 19ms, Average = 10ms
```