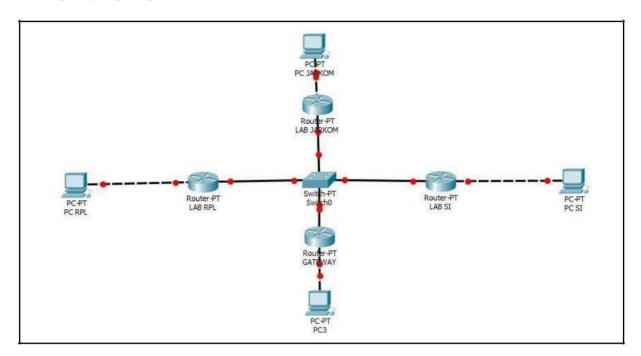
Nama : Ahmad Rozin NIM : L200170135

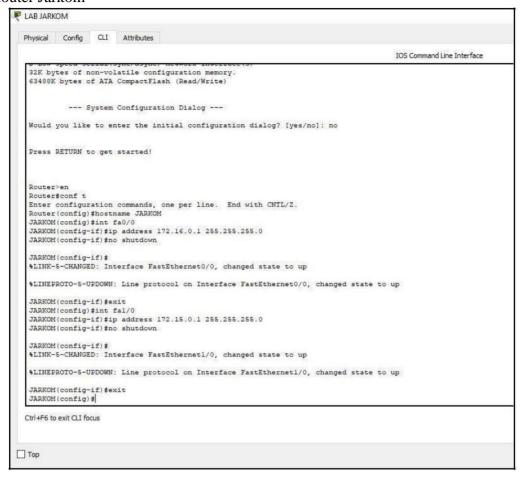
Kelas C Modul 11

# 1. Buat topologi seperti pada gambar.

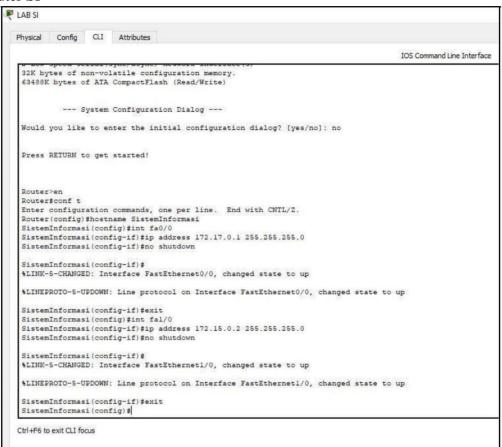


# 2. Konfigurasi semua router

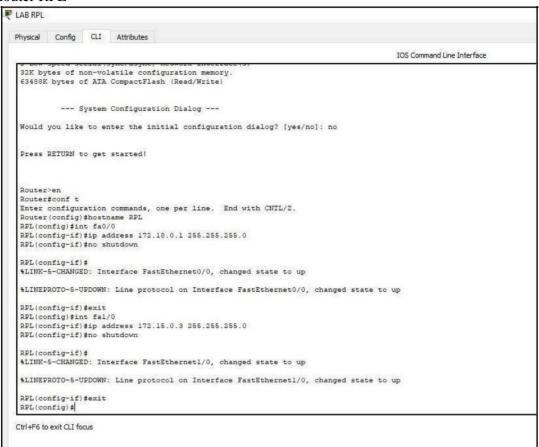
# A. Router Jarkom



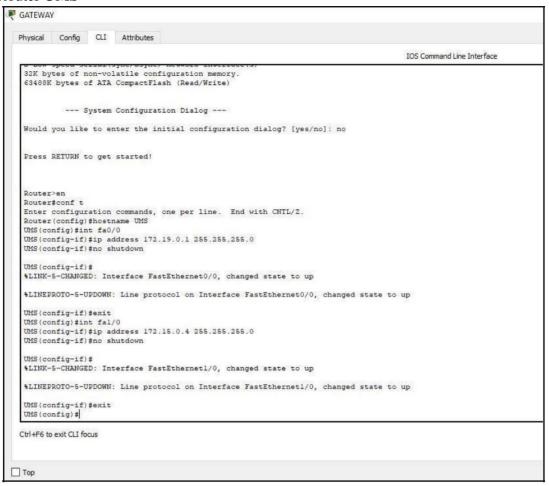
# B. Router SI



#### 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

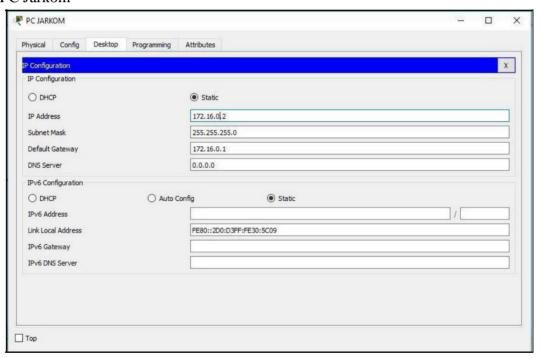
```
RPL(config) #router rip
RPL(config-router) #network 172.15.0.0
RPL(config-router) #network 172.16.0.0
RPL(config-router) #network 172.17.0.0
RPL(config-router) #network 172.18.0.0
RPL(config-router) #network 172.19.0.0
RPL(config-router) #network 172.19.0.0
```

#### d. Router UMS

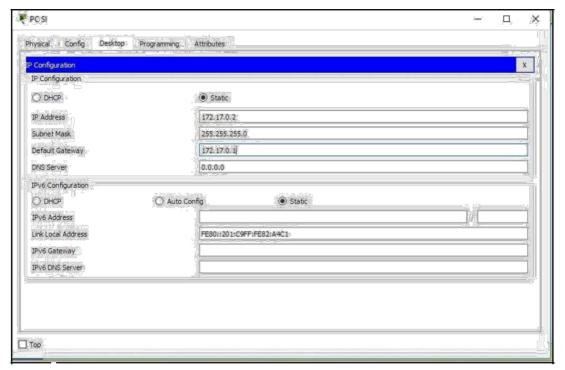
```
UMS(config) #router rip
UMS(config-router) #network 172.15.0.0
UMS(config-router) #network 172.16.0.0
UMS(config-router) #network 172.17.0.0
UMS(config-router) #network 172.18.0.0
UMS(config-router) #network 172.19.0.0
```

4. Konfigurasi IP pada masing- masing PC

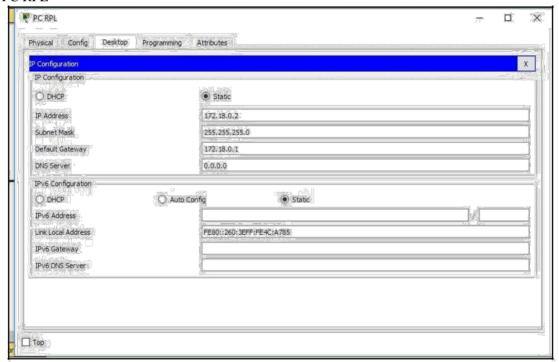
#### A. PC Jarkom



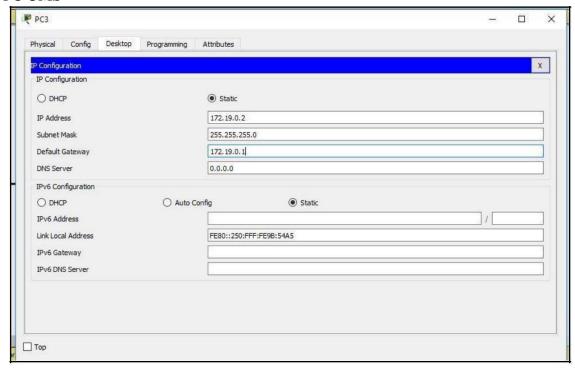
# B. PC SI



#### C. PC RPL



#### D. PC UMS



2. 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

Ping statistics for 172.16.0.2:

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

Approximate round trip times in milli-seconds:

Minimum = 1ms, 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<1ms 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</pre>
```