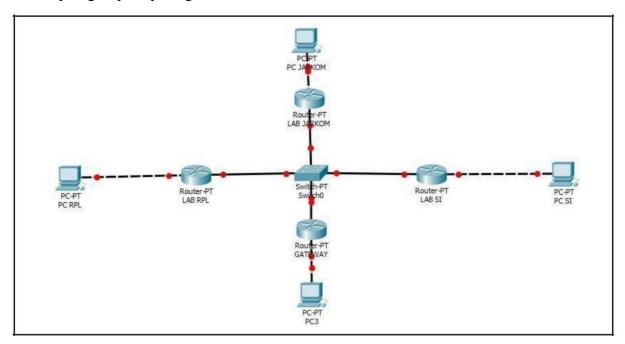
Nama : Giovanny Dani Saputra

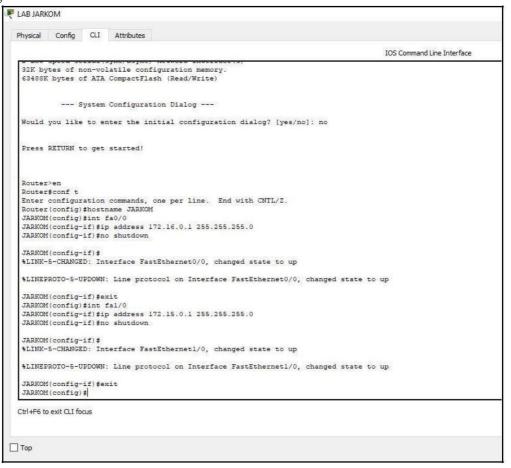
NIM : L200170159

Modul 11

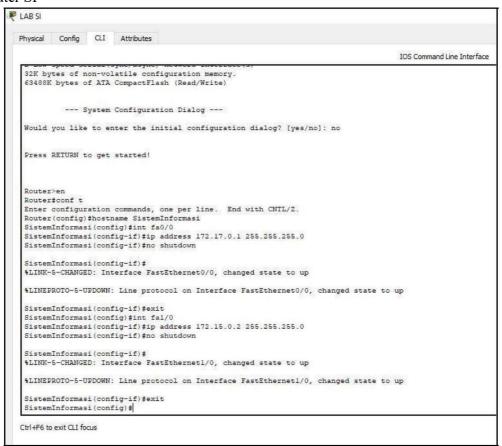
1. Buat topologi seperti pada gambar.



2. Konfigurasi semua router a. Router Jarkom



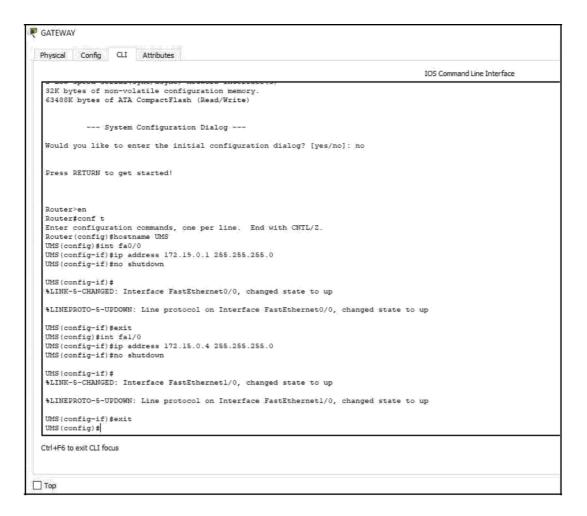
b. Router SI



c. Router RPL

```
LAB RPL
   Physical Config CLI Attributes
                                                                                                                          IOS Command Line Interface
    32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)
                --- System Configuration Dialog ---
    Would you like to enter the initial configuration dialog? [yes/no]: no
    Press RETURN to get started!
    Router#conf t
    ROUTEFFCORT t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname RPL
RPL(config)#int fa0/0
RPL(config-if)#ip address 172.18.0.1 255.255.255.0
RPL(config-if)#no shutdown
    RPL(config-if) # %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
    %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
    RPL(config-if) #int fal/0
RPL(config-if) #ip address 172.15.0.3 255.255.255.0
RPL(config-if) #no shutdown
    RPL(config-if)$
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
    %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
   RPL(config-if)#exit
RPL(config)#
   Ctrl+F6 to exit CLI focus
```

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) #
```

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

c. Router RPL

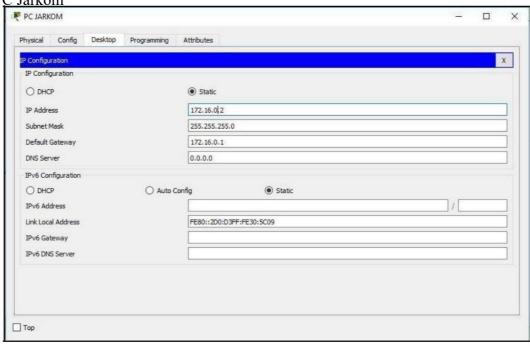
```
RPL(config) #router rip
RPL(config-router) #network 172.15.0.0
RPL(config-router) #network 172.16.0.0
RPL(config-router) #network 172.17.0.0
RPL(config-router) #network 172.18.0.0
RPL(config-router) #network 172.19.0.0
RPL(config-router) # 172.19.0.0
RPL(config-router) #
```

d. Router UMS

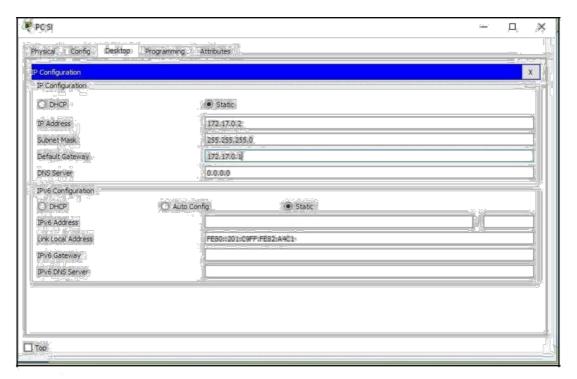
```
UMS(config) #router rip
UMS(config-router) #network 172.15.0.0
UMS(config-router) #network 172.16.0.0
UMS(config-router) #network 172.17.0.0
UMS(config-router) #network 172.18.0.0
UMS(config-router) #network 172.18.0.0
```

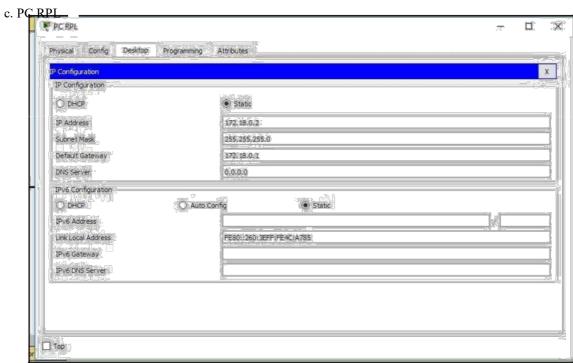
4. Konfigurasi IP pada masing- masing PC

a. P<u>C Jarkom</u>

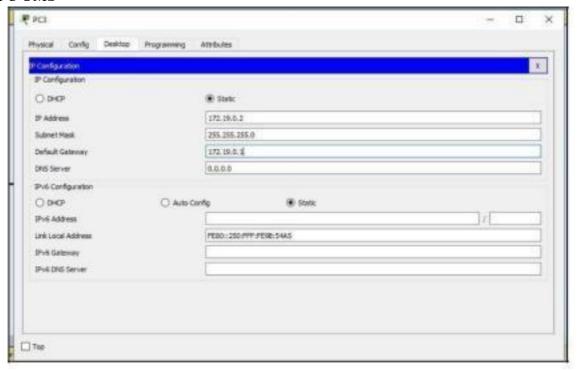


b. PC SI





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=1ms 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 = 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:\>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
```