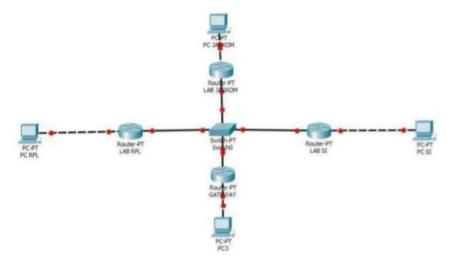
Hastyana R (L200170172)

Kelas C

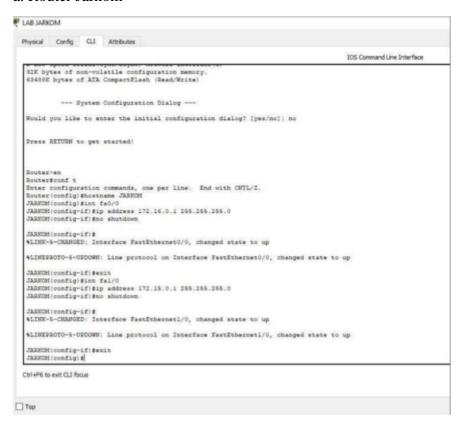
Jarkom Modul 11

1. Topologi



2. Konfigurasi semua router

a. Router Jarkom



b. Router SI

```
Physical Config QI 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 on figuration commands, one per line. End with CNTL/Z.
Router (config) shostname SistemInformasi
SistemInformasi (config) sint fal/0
SistemInformasi (config) sint fal/0
SistemInformasi (config-if) sin shutdown

SistemInformasi (config-if) shostnatown

SistemInformasi (config-if) serit

LINE-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

SistemInformasi(config-if) sin shutdown

SistemInformasi(config-if) sin shutdown
```

c. Router RPL



d. Router UMS



3. Konfigurasi routing table pada 4 route

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

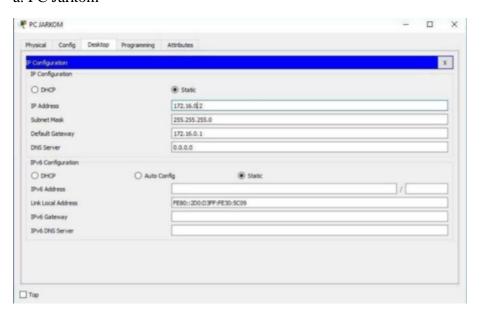
```
RPL(config) #router rip
RPL(config-router) #network 172.15.0.0
RPL(config-router) #network 172.16.0.0
RPL(config-router) #network 172.17.0.0
RPL(config-router) #network 172.18.0.0
RPL(config-router) #network 172.19.0.0
RPL(config-router) #network 172.19.0.0
```

d. Router UMS

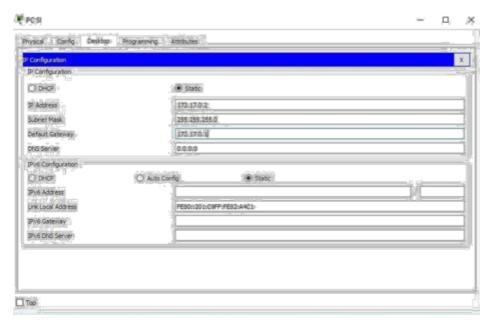
```
UMS(config) #router rip
UMS(config-router) #network 172.15.0.0
UMS(config-router) #network 172.16.0.0
UMS(config-router) #network 172.17.0.0
UMS(config-router) #network 172.18.0.0
UMS(config-router) #network 172.19.0.0
```

4. Konfigurasi IP pada masing- masing PC

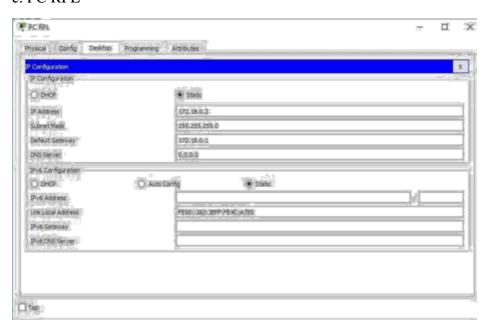
a. PC Jarkom



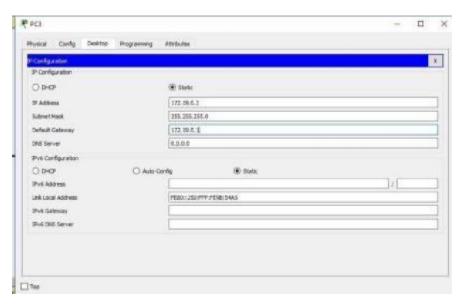
b. PC SI



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=l2ms TTL=126

Reply from 172.16.0.2: bytes=32 time=l2ms TTL=126

Reply from 172.16.0.2: bytes=32 time=l2ms 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</pre>
```