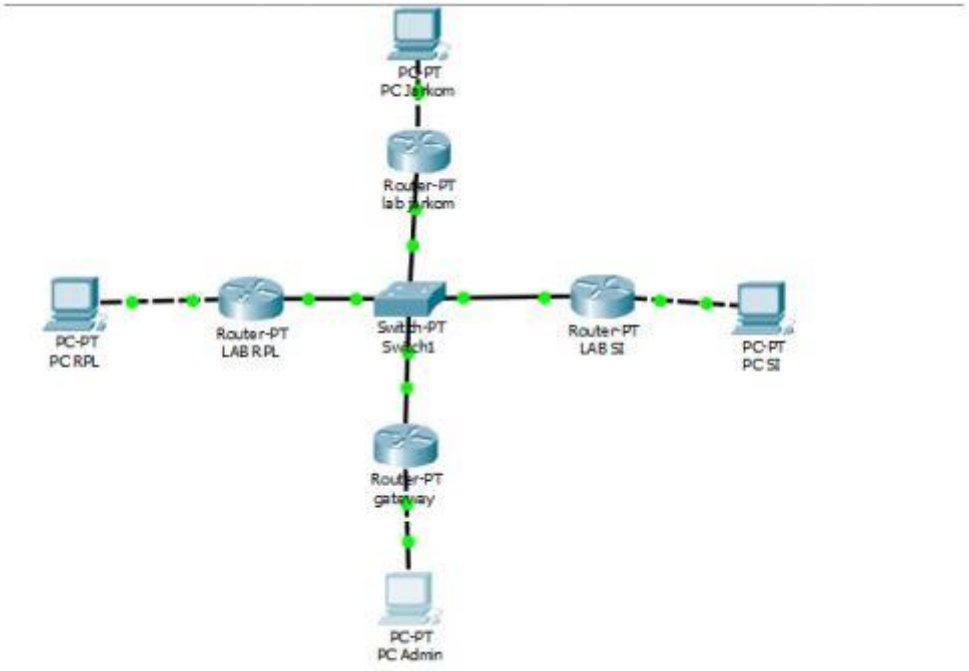
Muhibah Fata Tika
L200170156
D
Jarkom

Tugas Praktikum Jarkom
Modul 11
Perancangan Jaringan Laboratorium Sederhana Menggunakan Packet Tracer

- **Buatlah topologi jaringan serupa dengan Gambar 10.1, namun metode routing yang digunakan adalah routing statis.**

Jawab :

1. Topologi

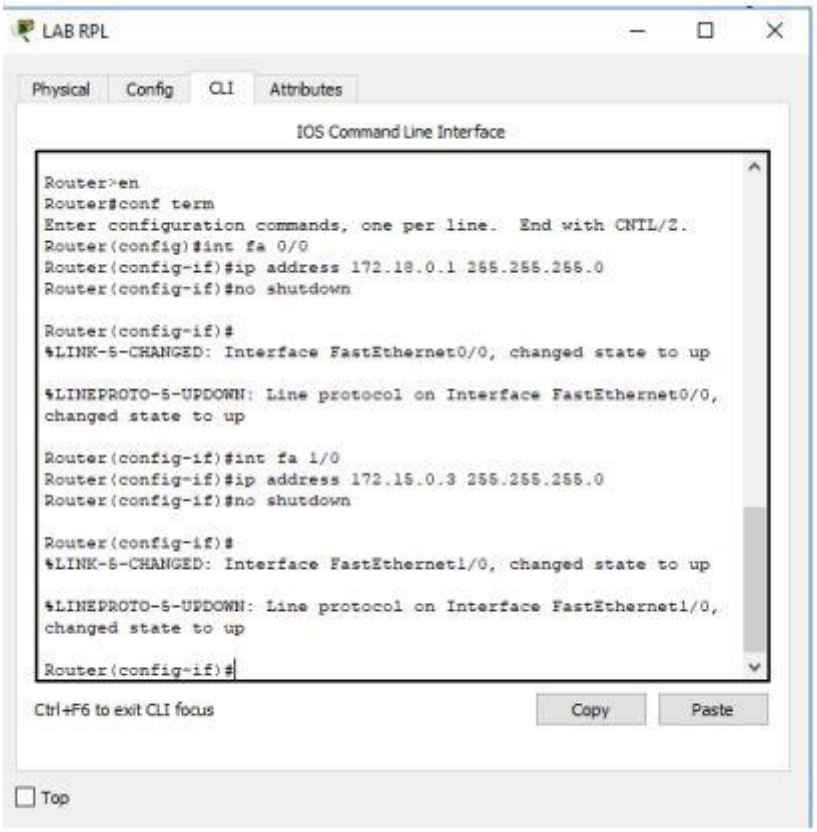


2. Konfigurasi Router Jarkom

Muhibah Fata Tika
L200170156
D
Jarkom

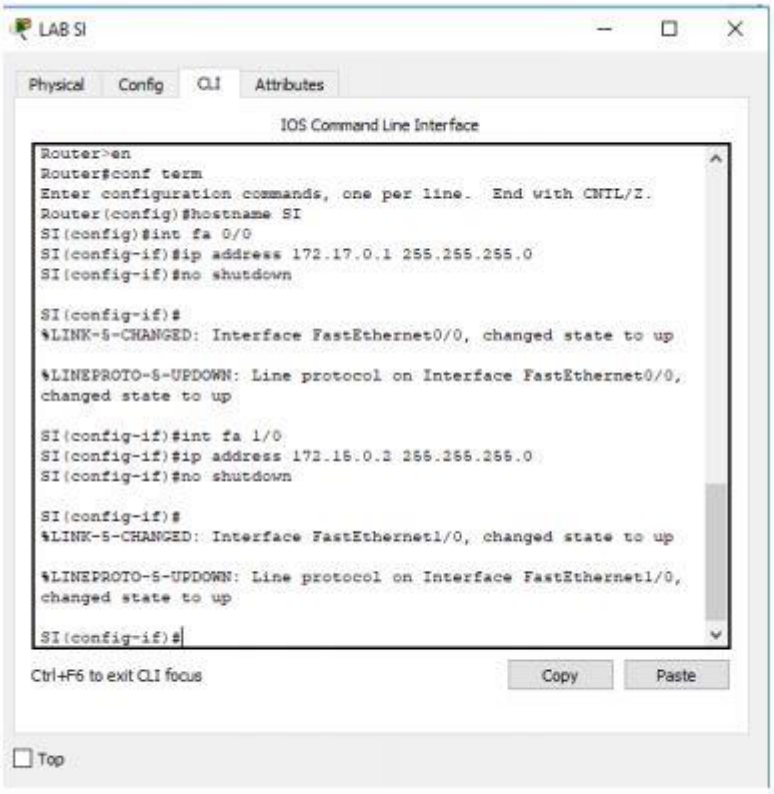
```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa /0
                      ^
% Invalid input detected at '^' marker.

Router(config)#int fa 0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(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

Router(config-if)#int fa 1/0
Router(config-if)#ip address 172.15.0.1 255.255.255.0
Router(config-if)#no shutdown

Router(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

Router(config-if)#ex
Router(config)#hostname jarkom
jarkom(config)#
```

3. Konfigurasi Router RPL

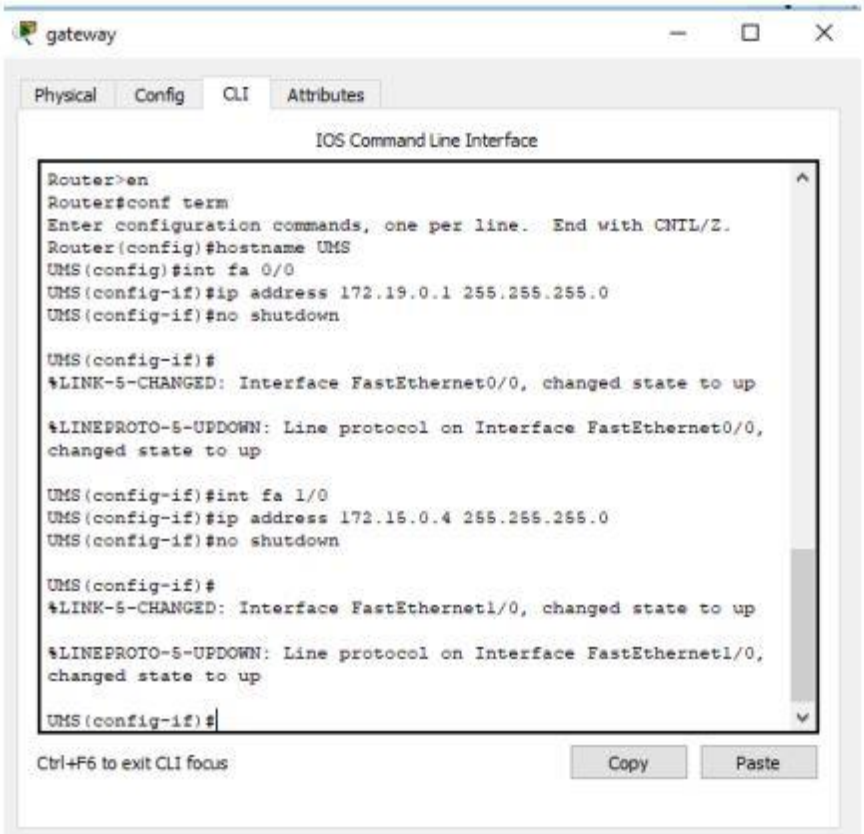


4. Konfigurasi Router SI

Muhibah Fata Tika
L200170156
D
Jarkom

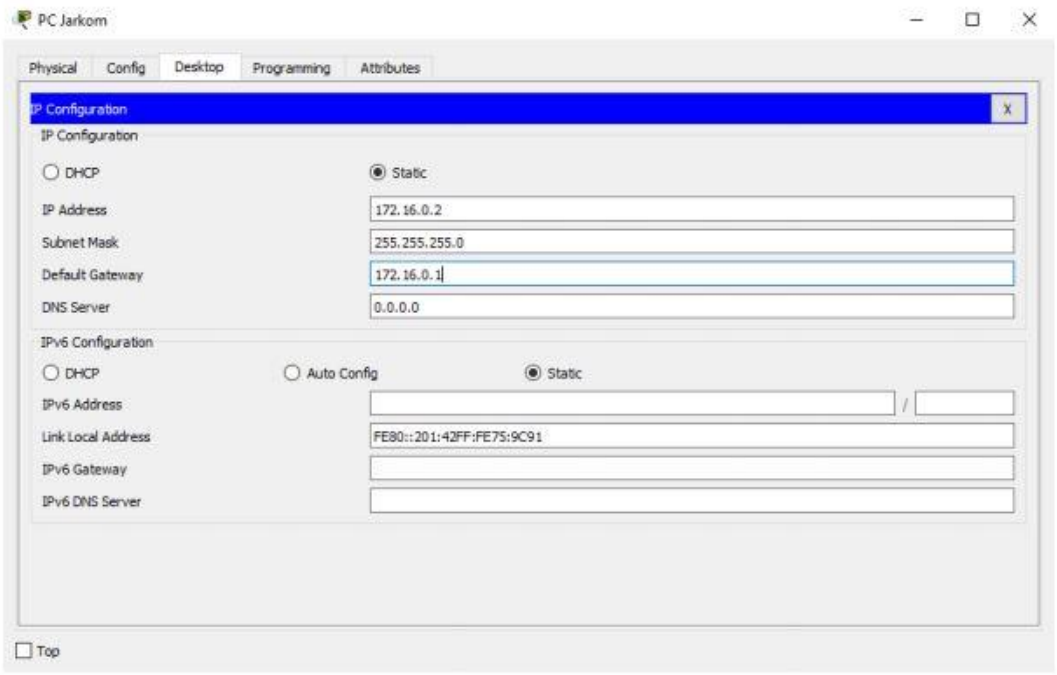


5. Konfigurasi Router Gateway

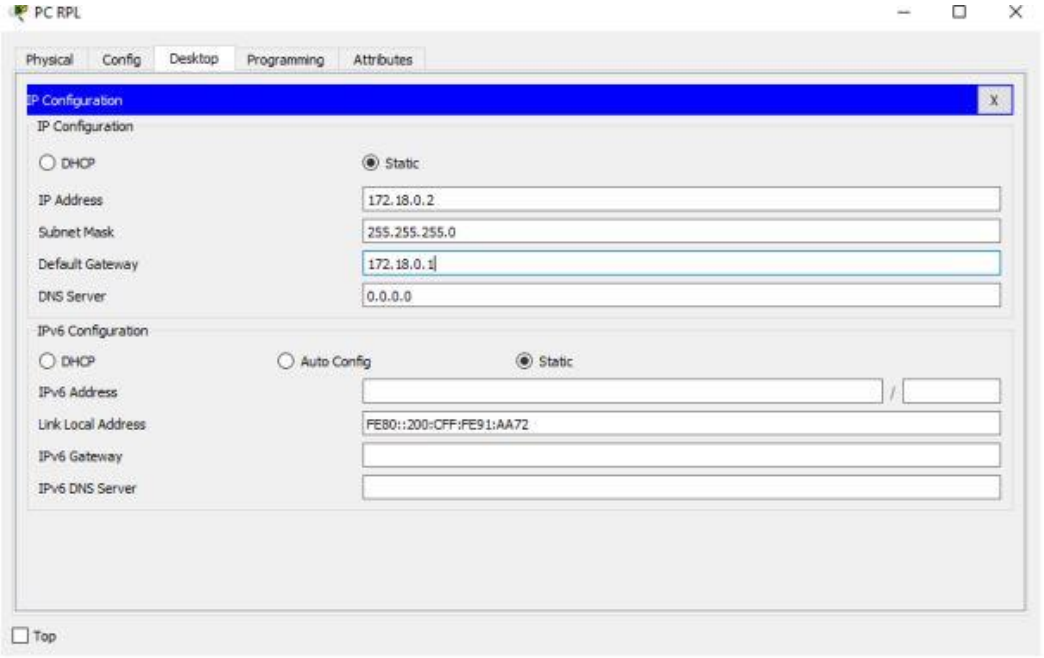


Muhibah Fata Tika
L200170156
D
Jarkom

6. Konfigurasi PC Jarkom

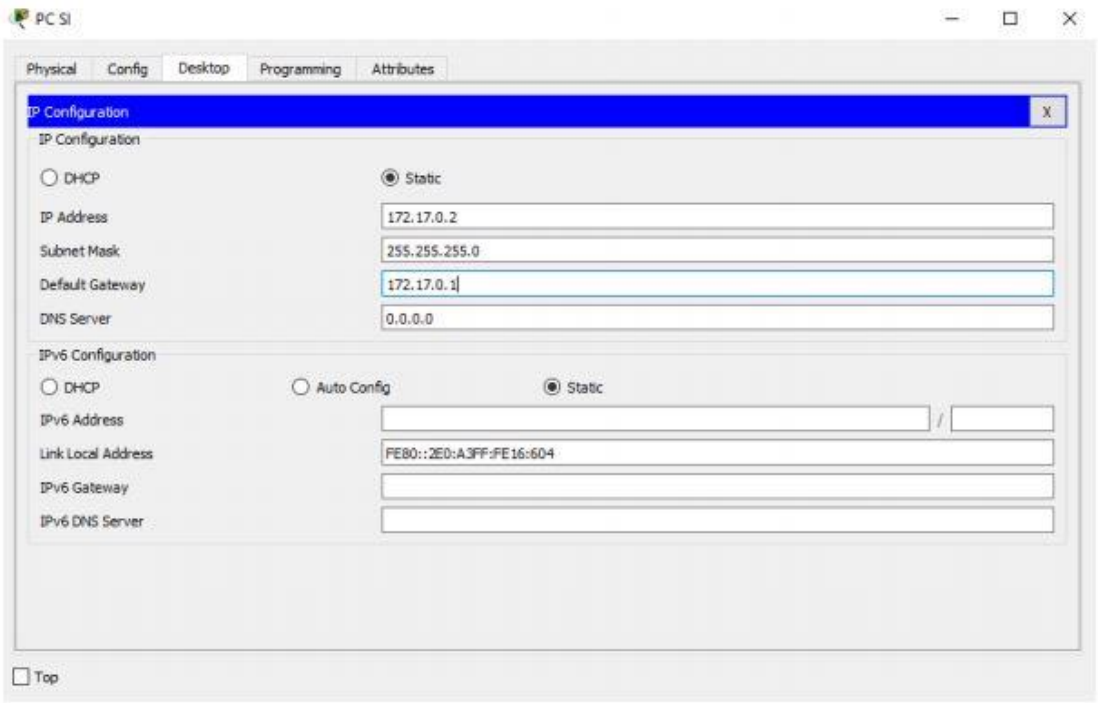


7. Konfigurasi PC RPL

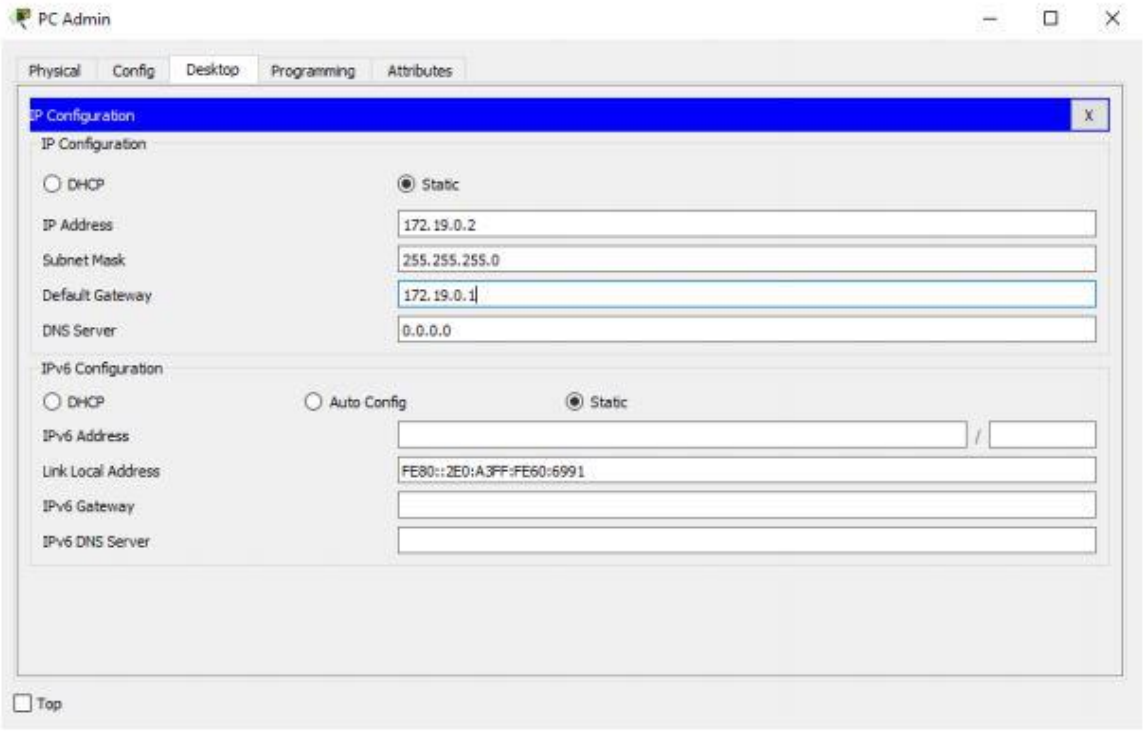


8. Konfigurasi PC SI

Muhibah Fata Tika
L200170156
D
Jarkom



9. Konfigurasi PC Admin



10. Routing Router Jarkom

Muhibah Fata Tika
L200170156
D
Jarkom

```
jarkom>en
jarkom#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
jarkom(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
jarkom(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
jarkom(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
jarkom(config)#
```

11. Routing Router RPL

```
RPL(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
RPL(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
RPL(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
RPL(config)#
```

12. Routing Router SI

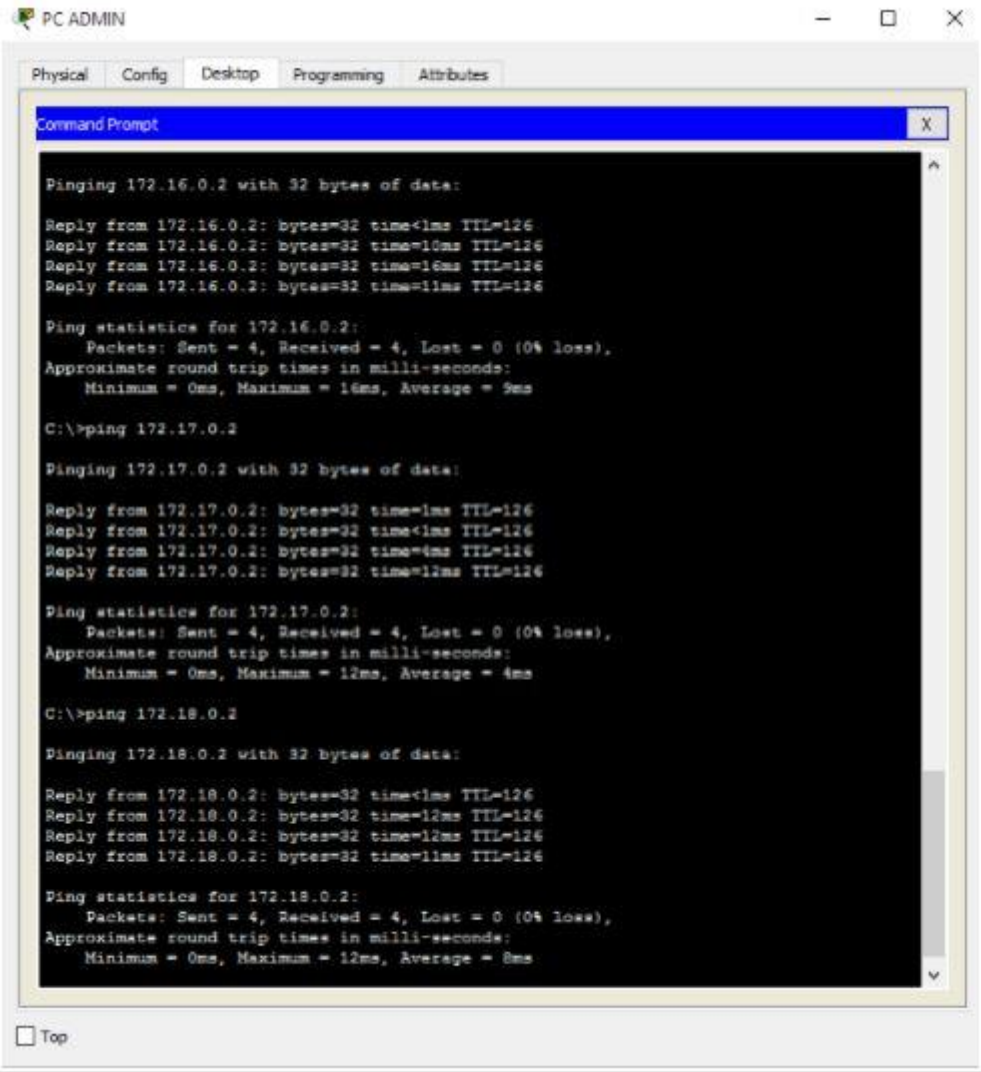
```
SI>en
SI#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
SI(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
SI(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
SI(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
```

13. Routing Router Gateway

```
UMS(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
UMS(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
UMS(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
```

14. Melakukan uji koneksi(ping)

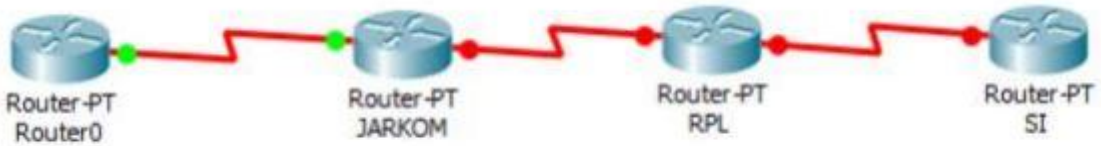
Muhibah Fata Tika
L200170156
D
Jarkom



- **Buatlah topologi jaringan BUS untuk membangun sebuah laboratorium komputer yang terdiri dari 3 router(jarkom,rpl,si) dan berpusat pada 1 router gateway dengan metode routing :**
  a. Statis
  b. Dinamis

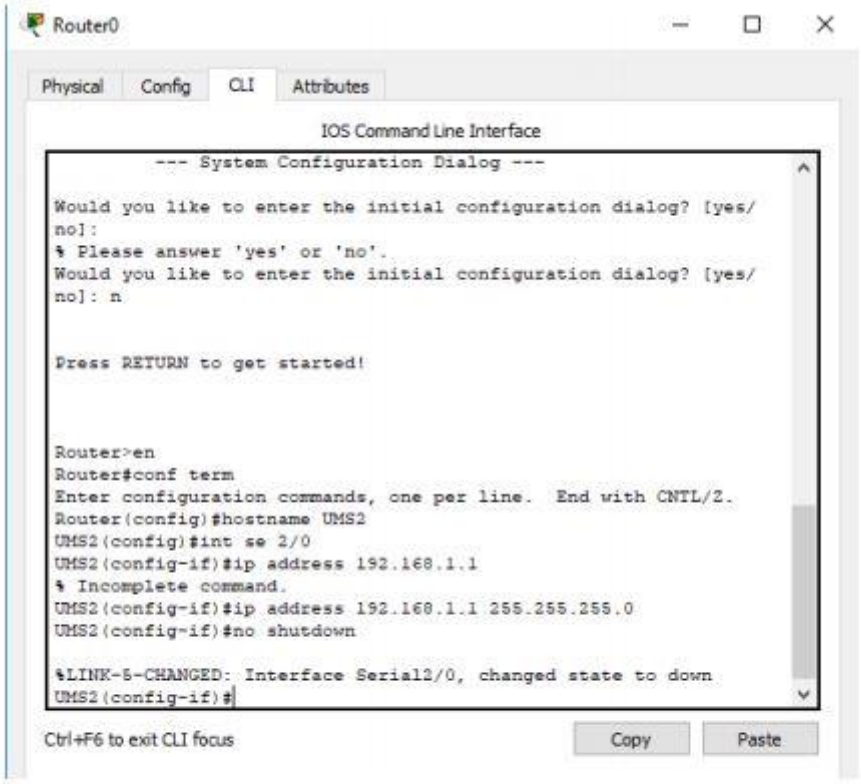
Jawab :

1. Topologi



2. Konfigurasi Router UMS2

Muhibah Fata Tika
L200170156
D
Jarkom



3. Konfigurasi Router Jarkom

Muhibah Fata Tika
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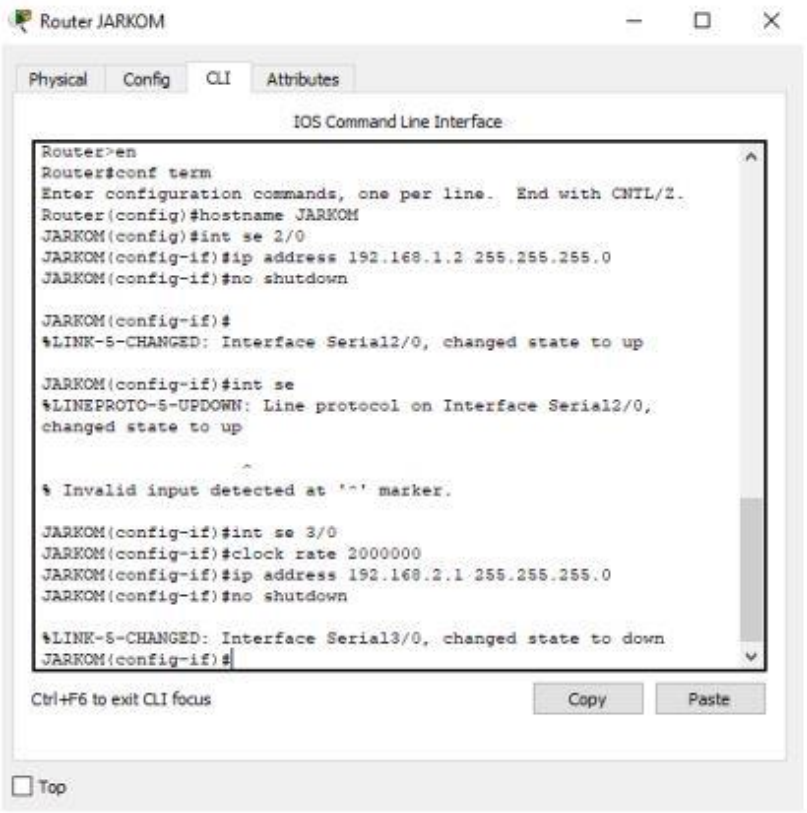
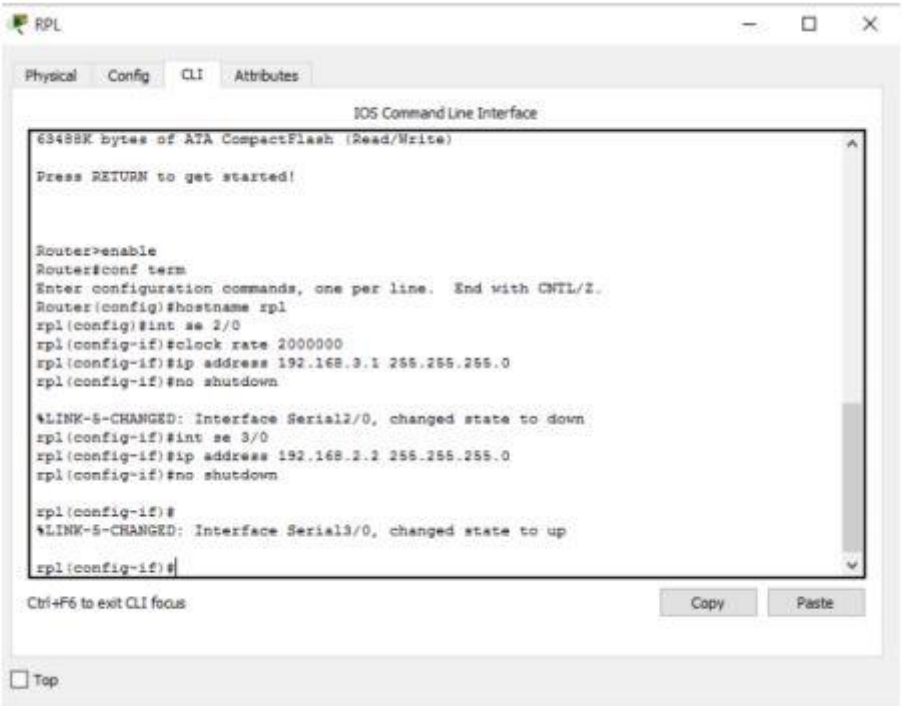
D
Jarkom



4. Konfigurasi Router RPL



5. Konfigurasi Router SI

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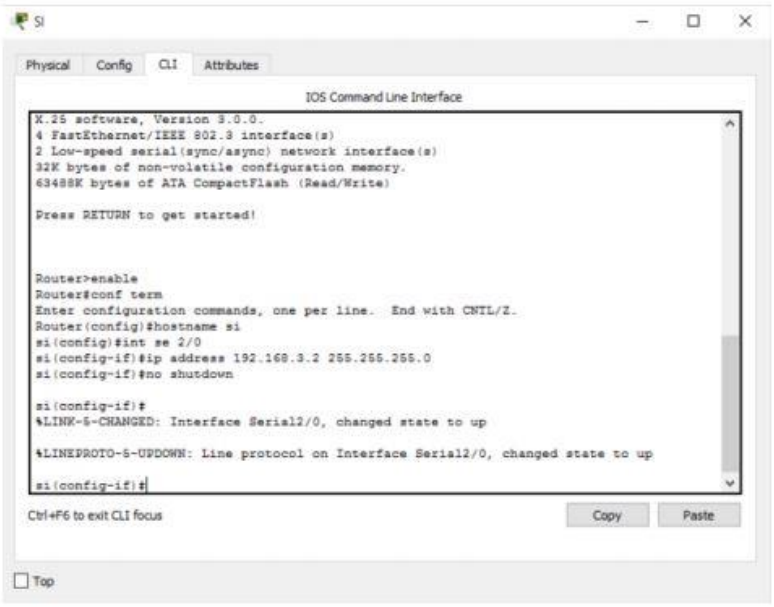
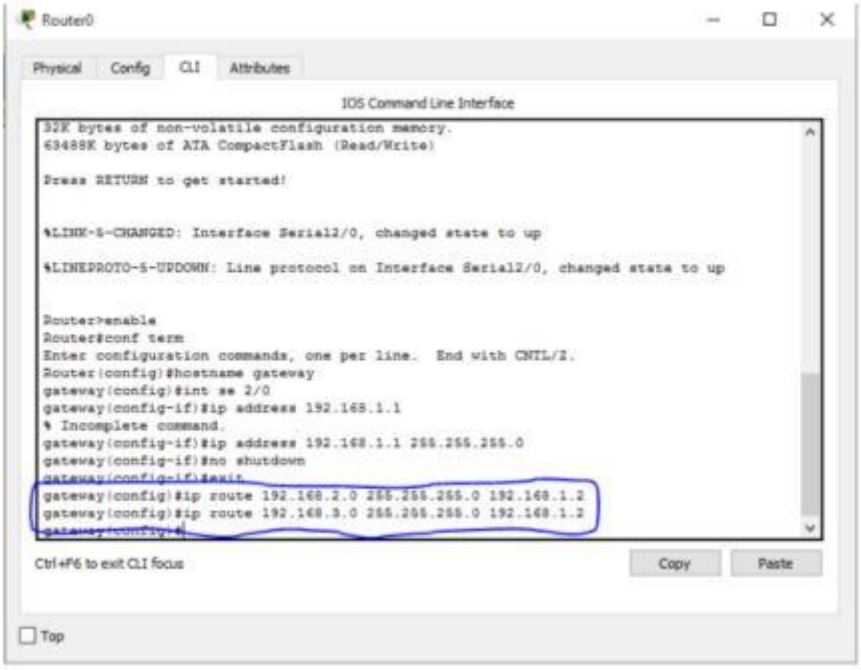
L200170156
D
Jarkom

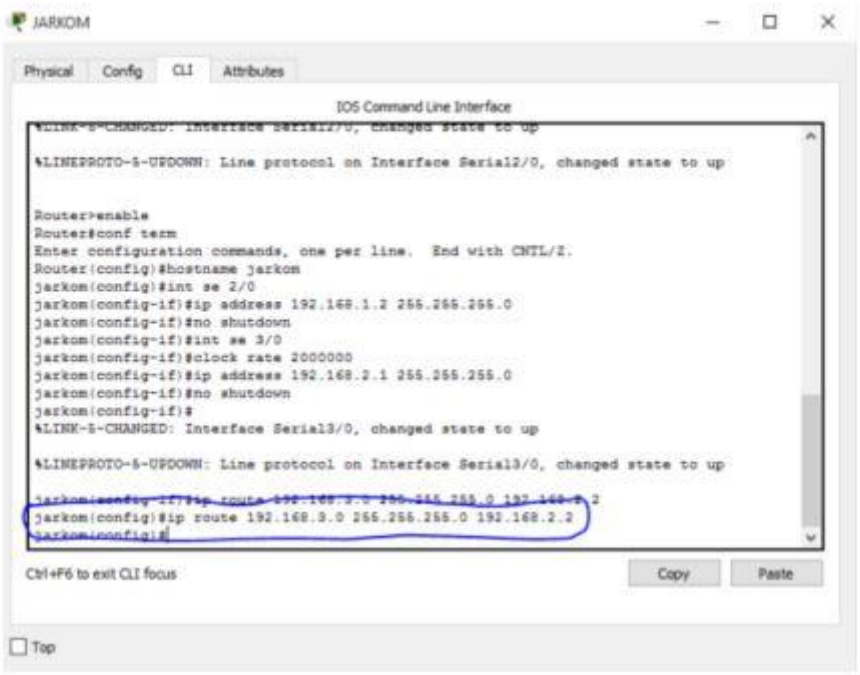


6. Routing Router UMS2

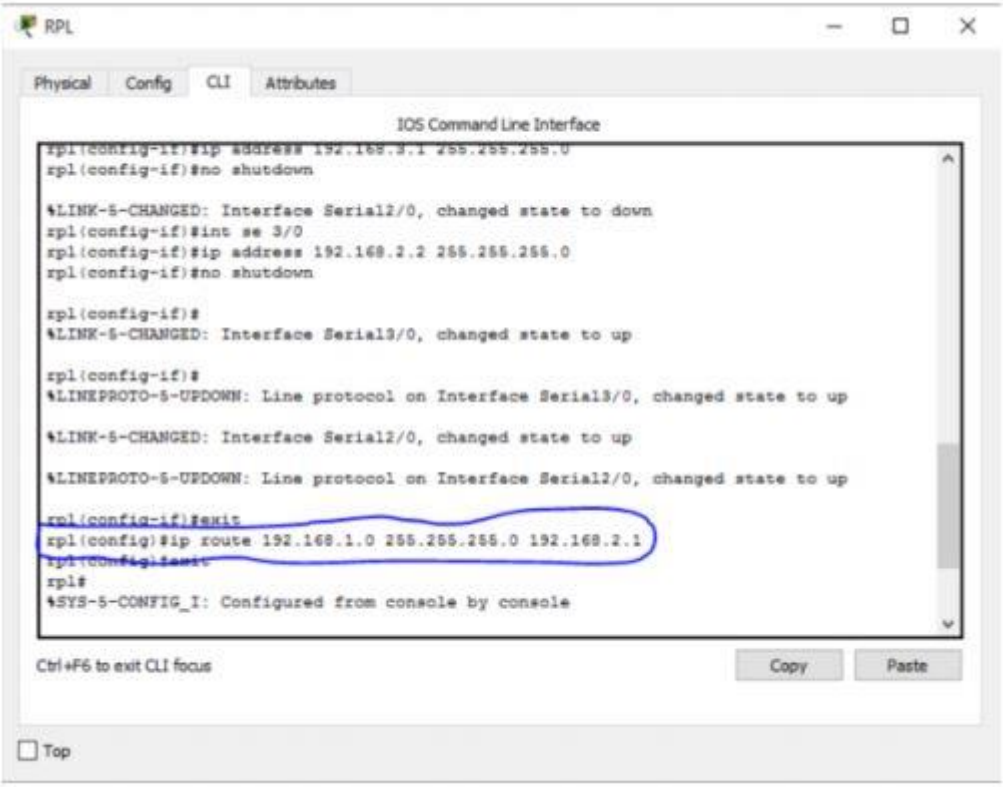


7. Routing Router Jarkom

Muhibah Fata Tika
L200170156
D
Jarkom



8. Routing Router RPL



9. Routing Router SI

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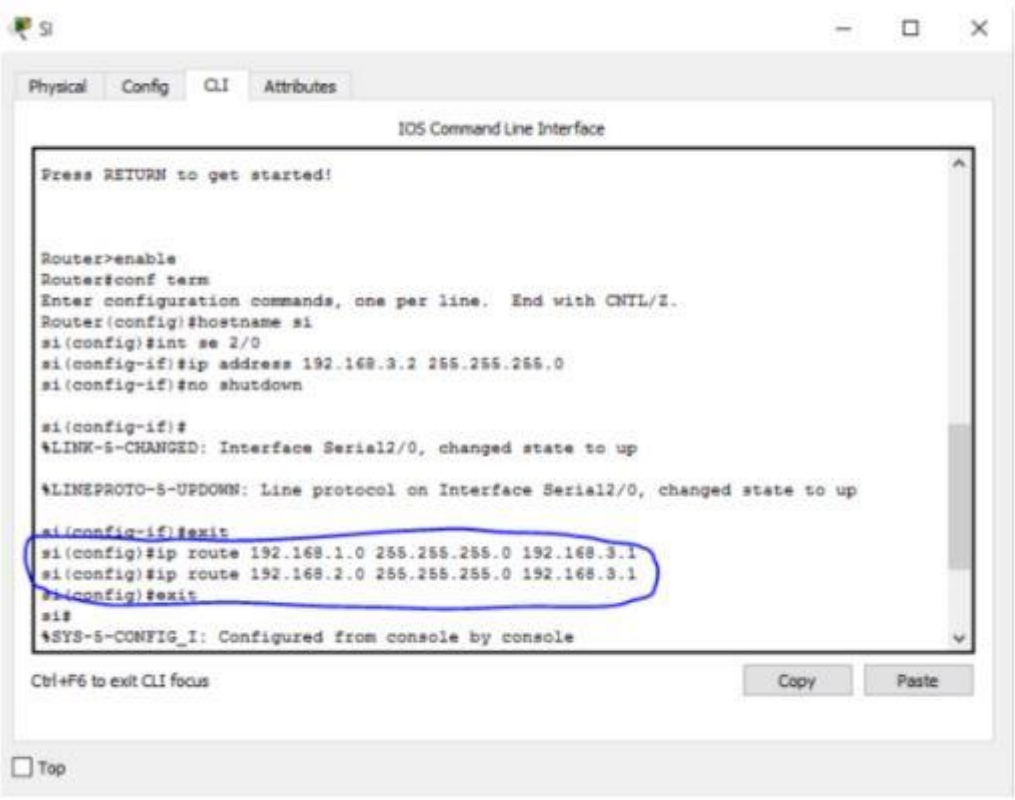
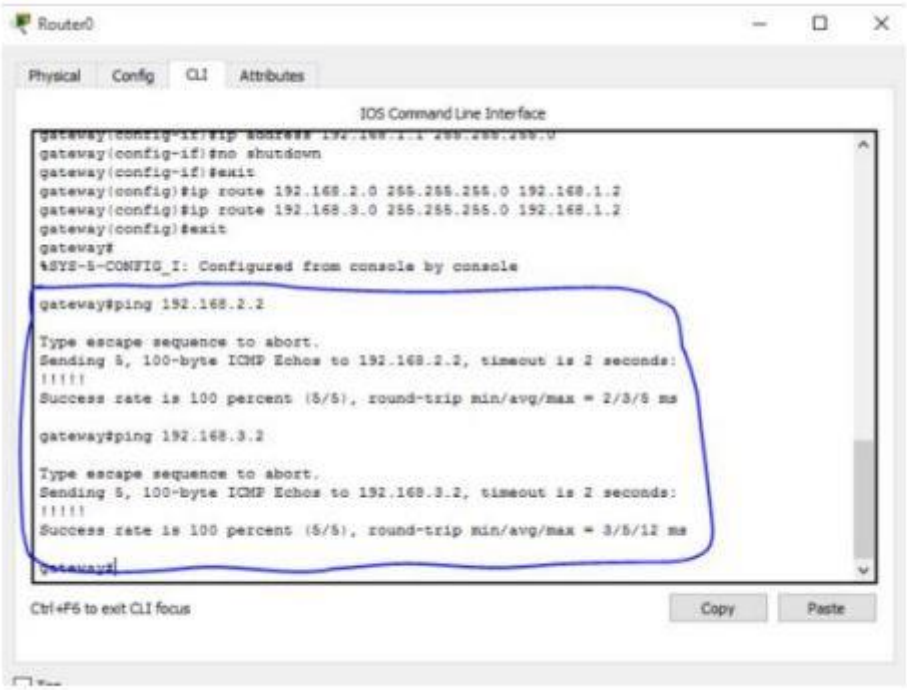
D
Jarkom



10. Melakukan uji koneksi(ping)



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