LAPORAN PRAKTIKUM JARINGAN KOMPUTER
MODUL 11
"PERANCANGAN JARINGAN LABORATORIUM SEDERHANA MENGGUNAKAN PACKET TRACER"

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NIM : L200170144
Kelas : D

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

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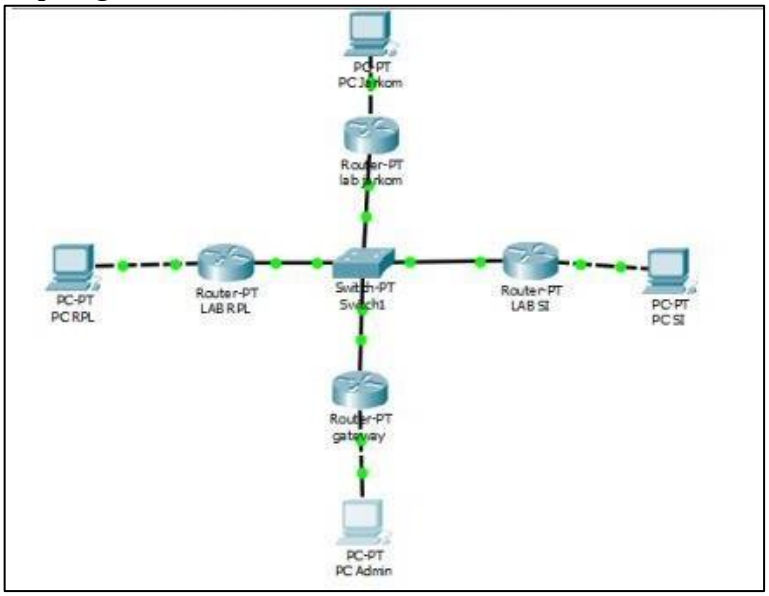
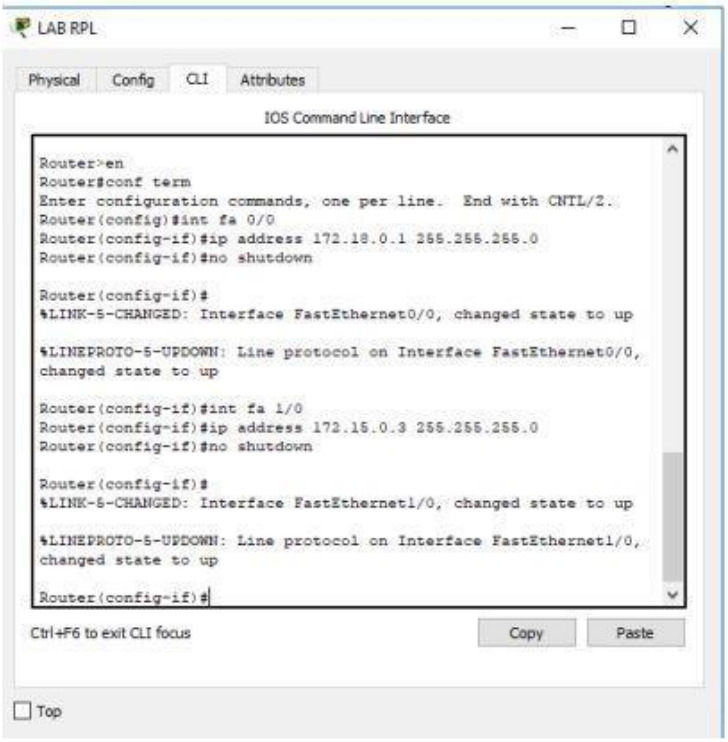
1. Topologi



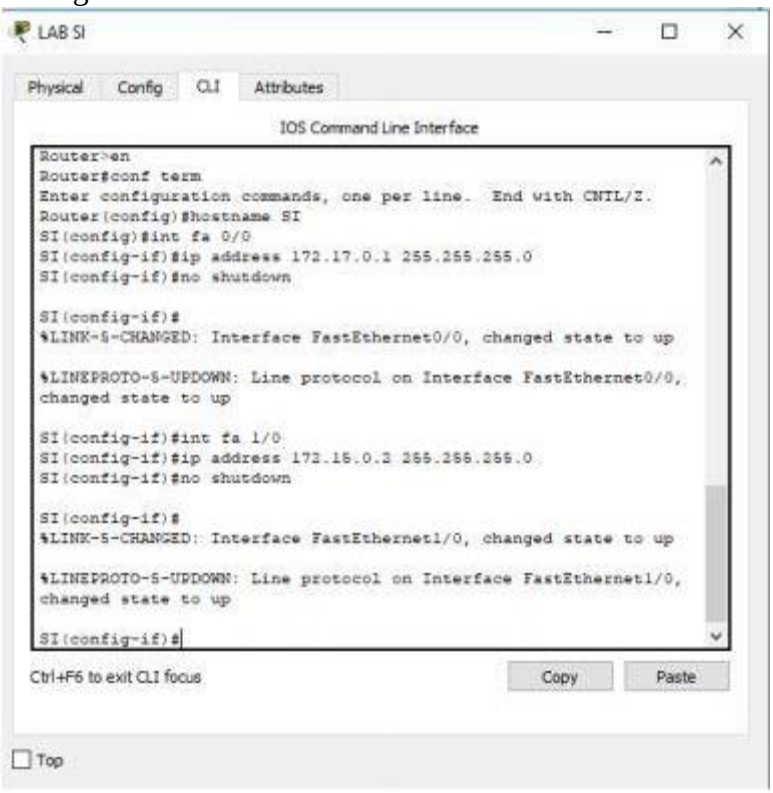
2. Konfigurasi Router Jarkom

```
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)#
```

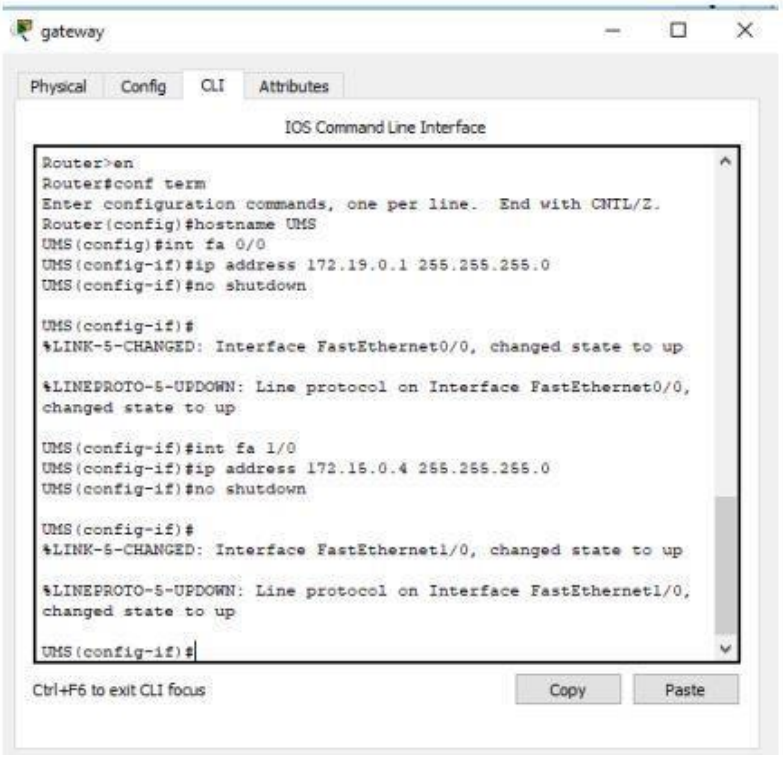
3. Konfigurasi Router RPL



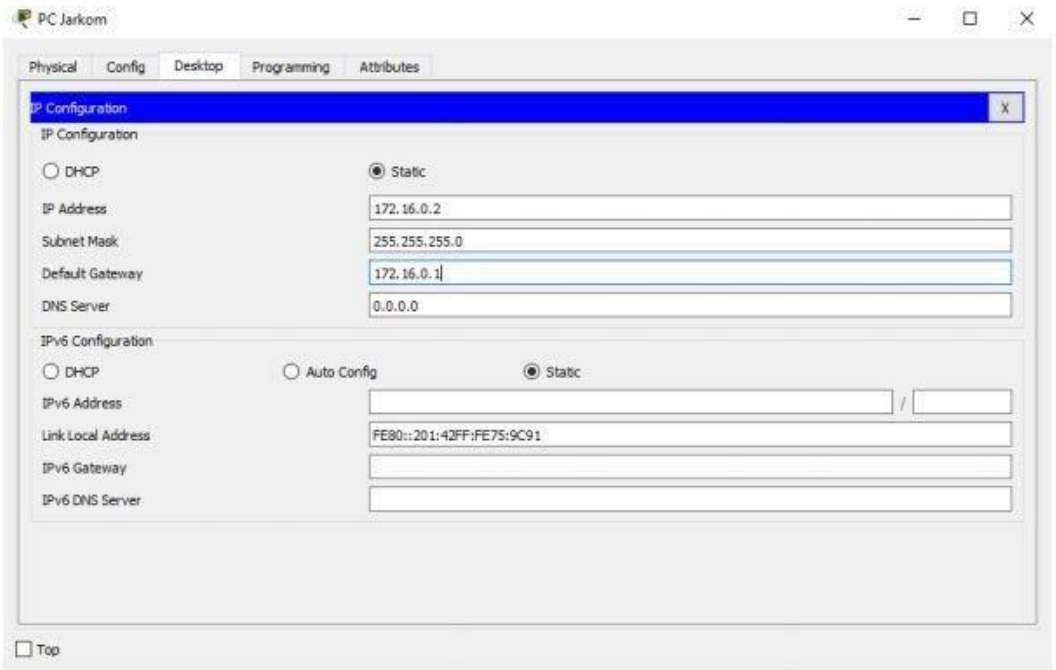
4. Konfigurasi Router SI



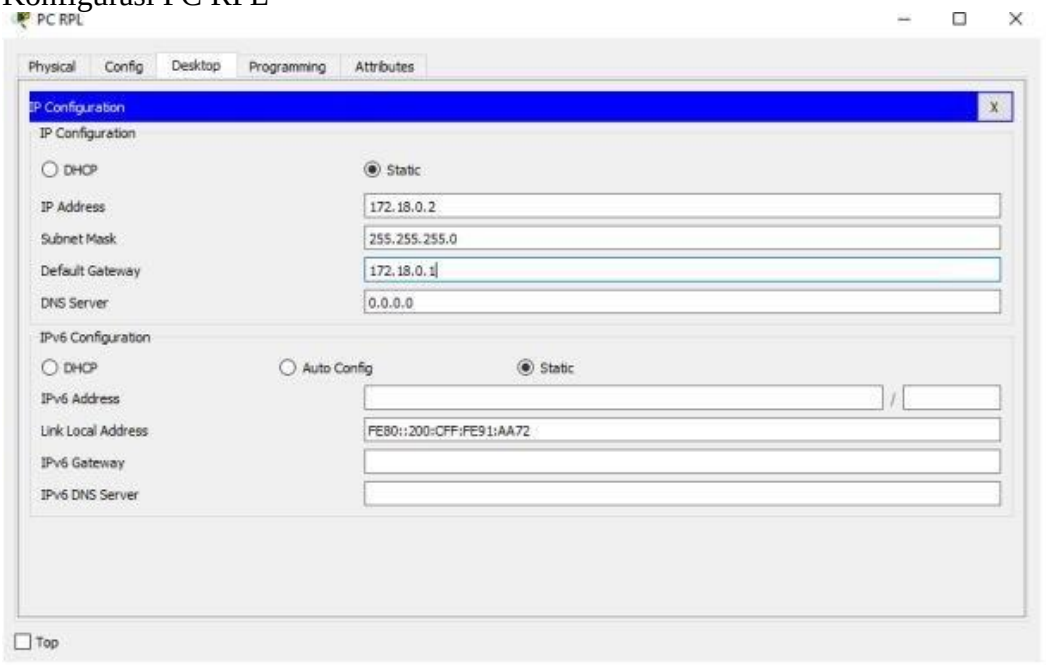
5. Konfigurasi Router Gateway



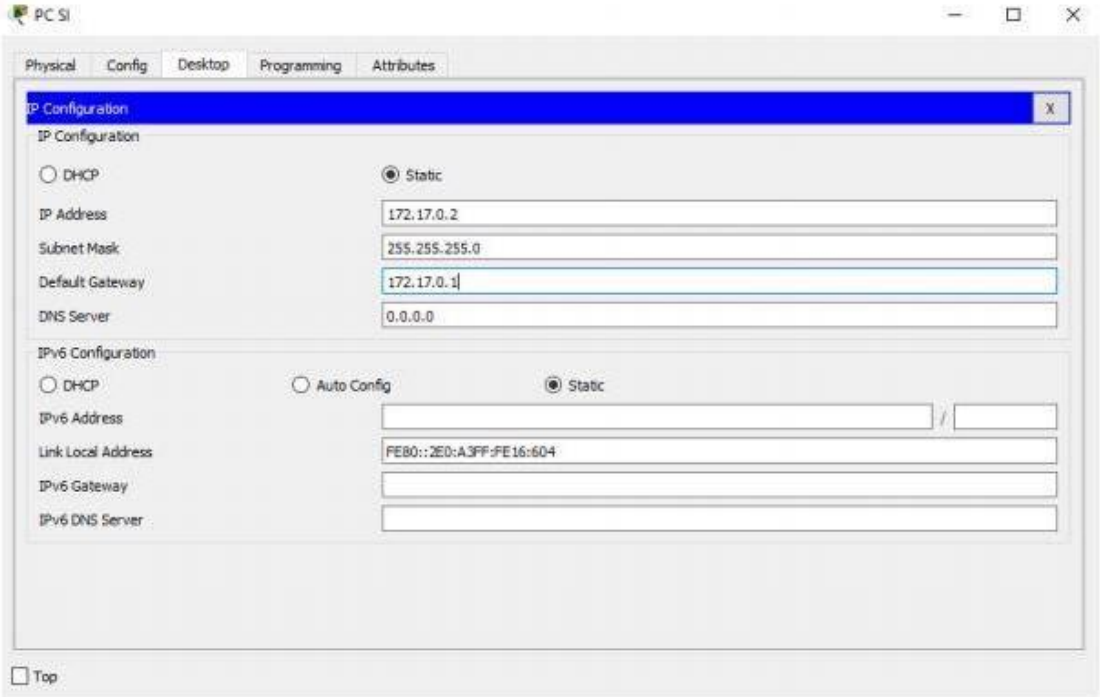
6. Konfigurasi PC Jarkom



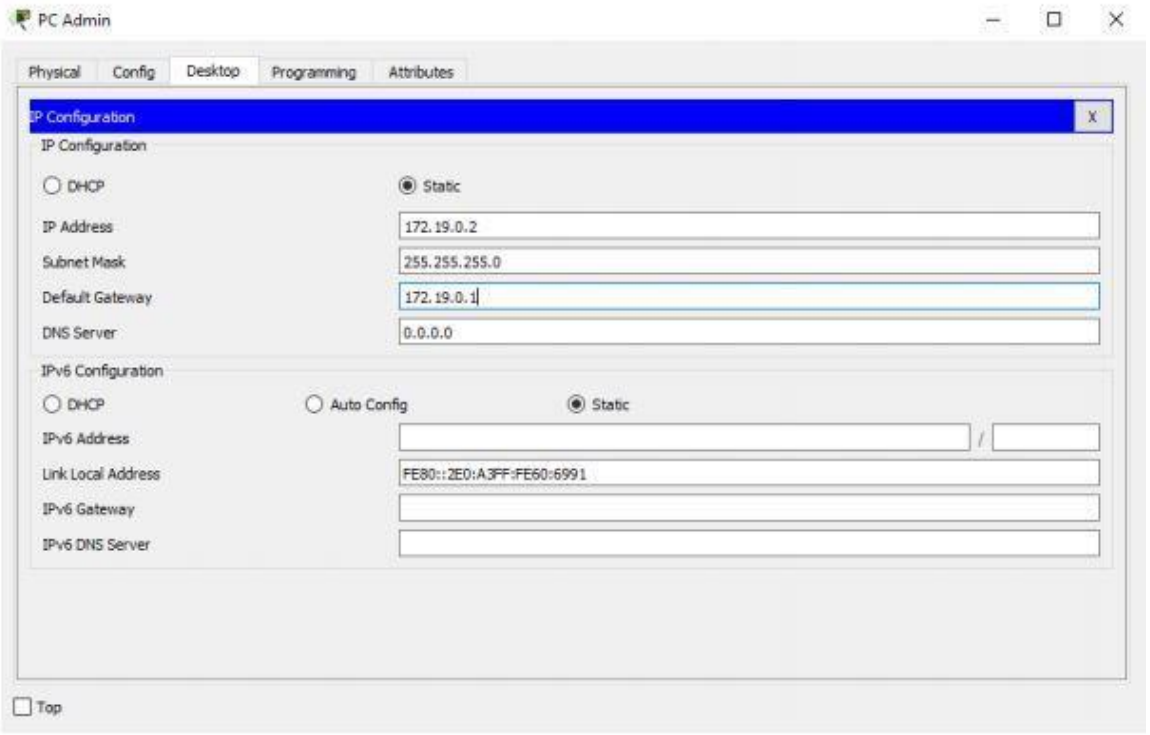
7. Konfigurasi PC RPL



8. Konfigurasi PC SI



9. Konfigurasi PC Admin



10. Routing Router 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)#
```

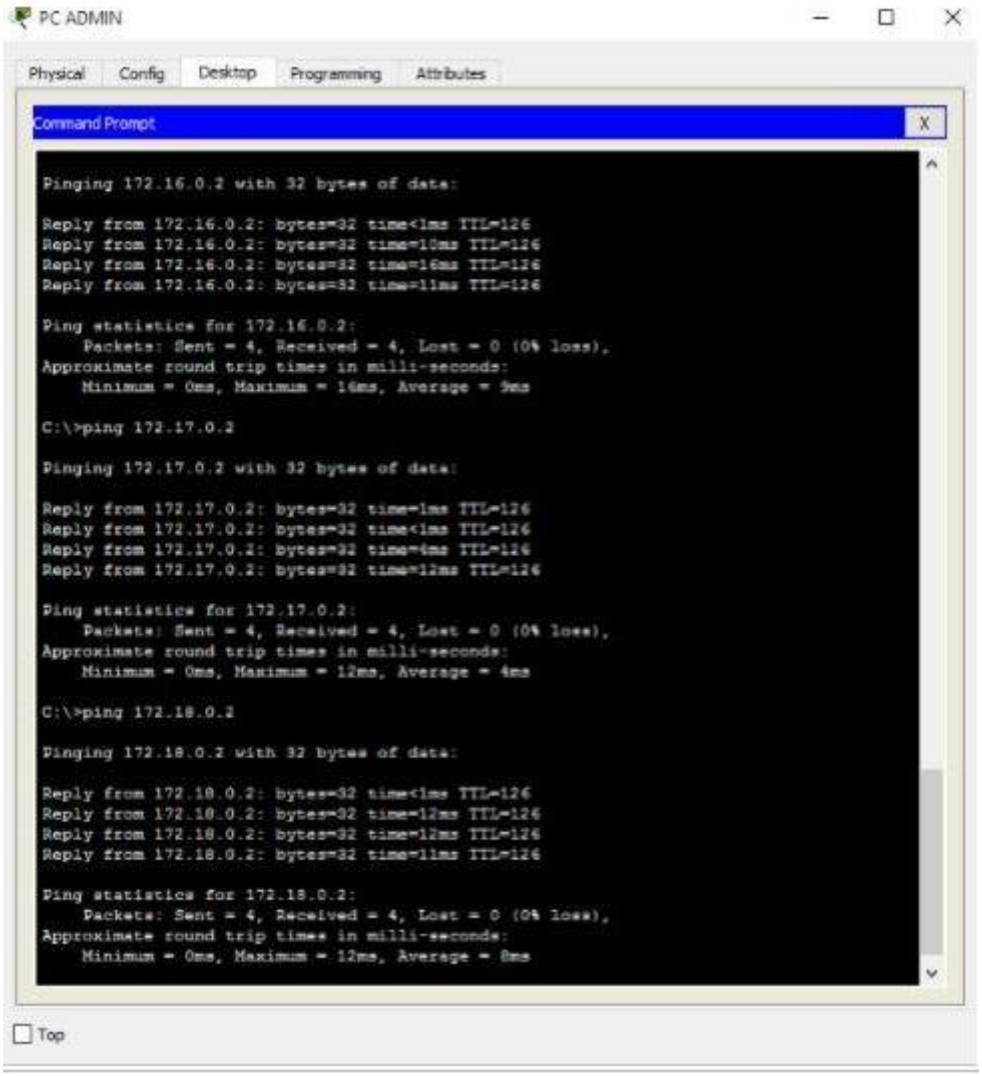
12. Routing Router SI

```
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



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 :

- Statis
- Dinamis

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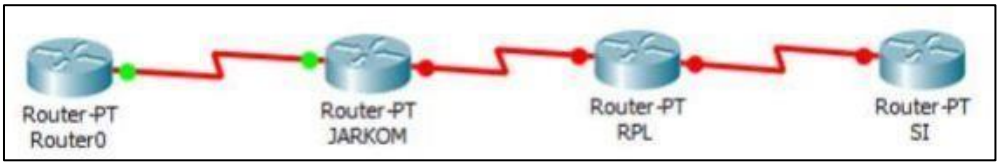
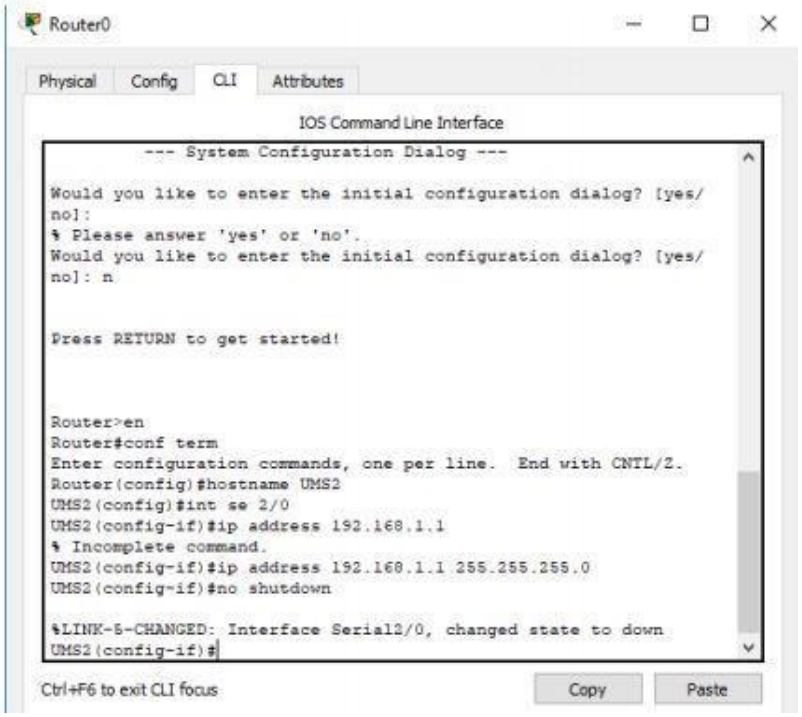
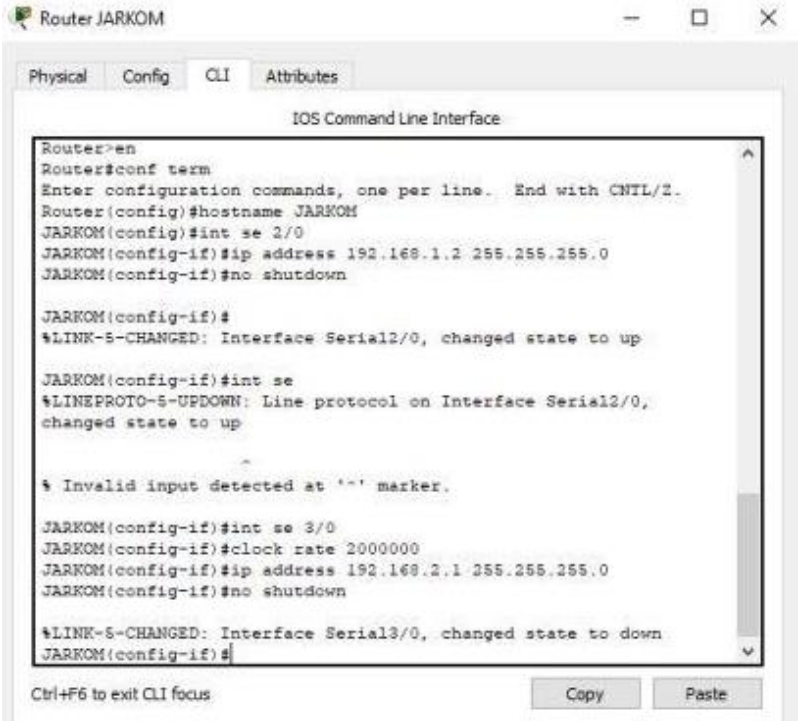
1. Topologi



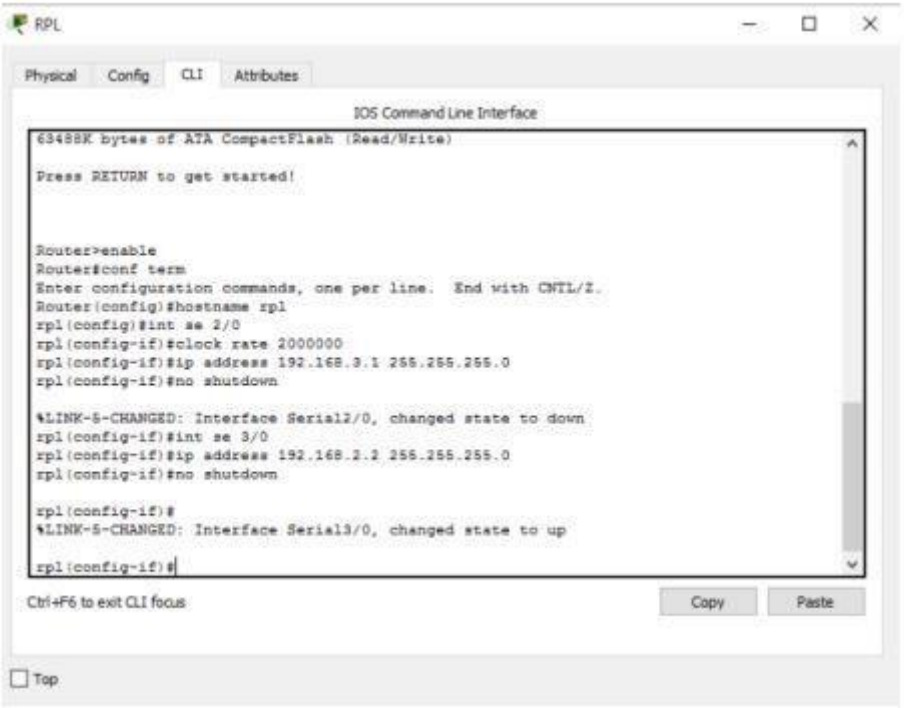
2. Konfigurasi Router UMS2



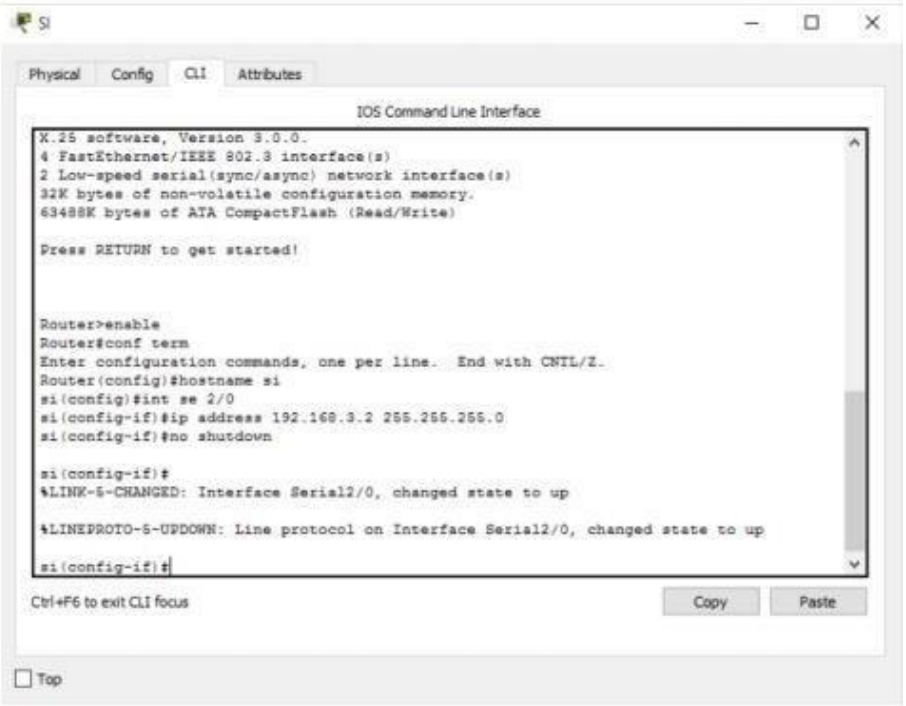
3. Konfigurasi Router Jarkom



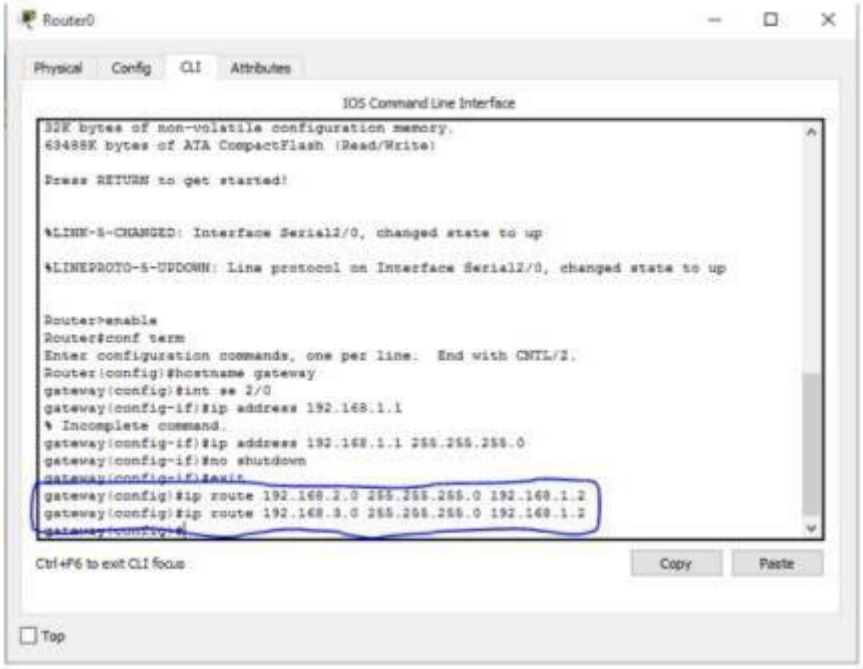
4. Konfigurasi Router RPL



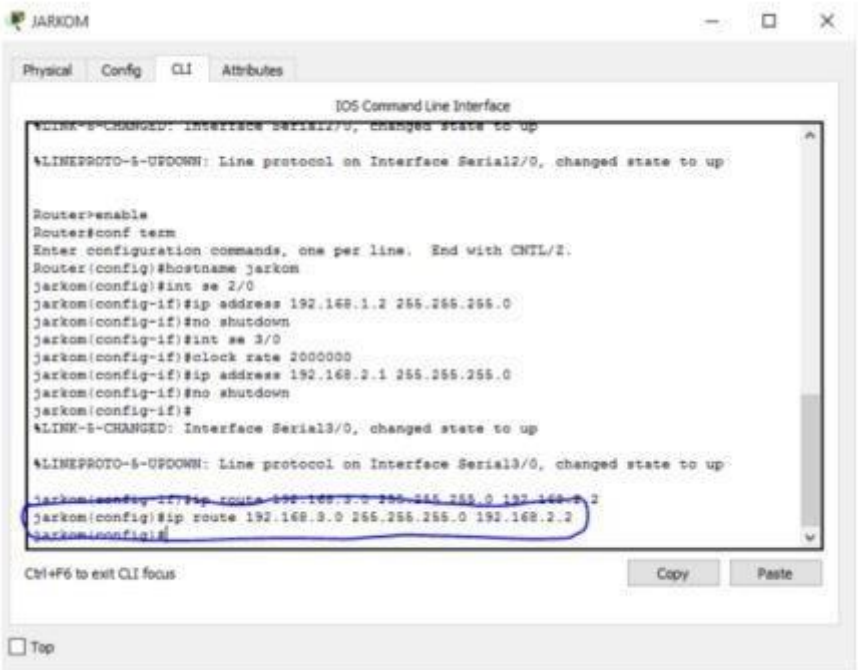
5. Konfigurasi Router SI



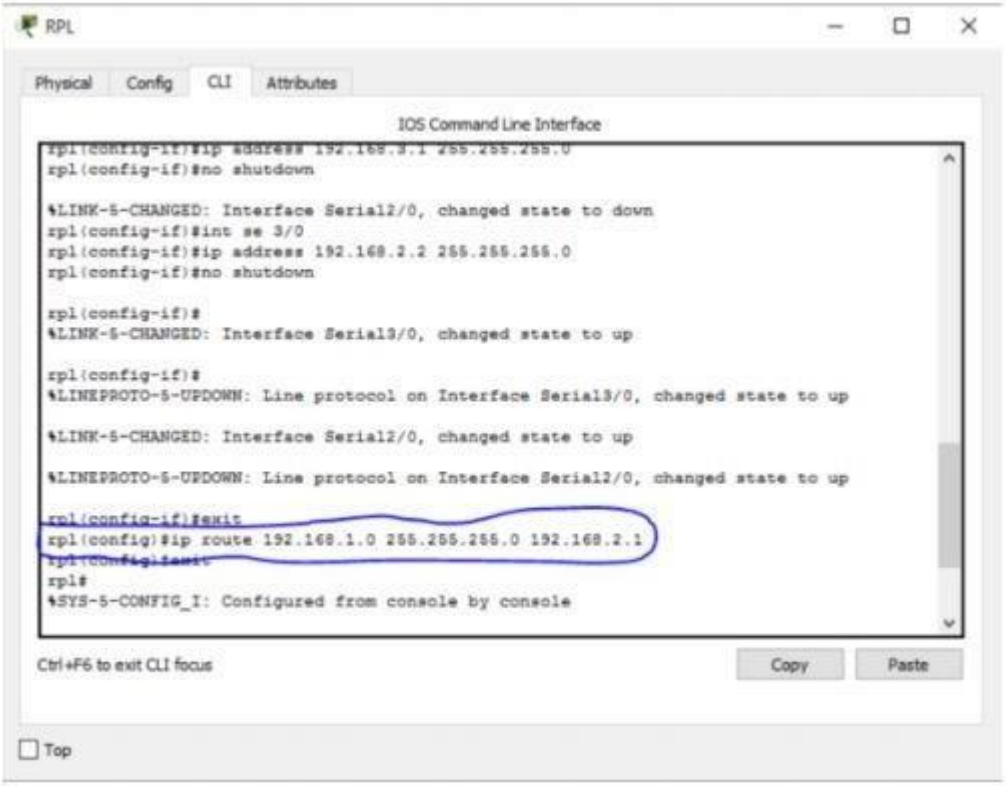
6. Routing Router UMS2



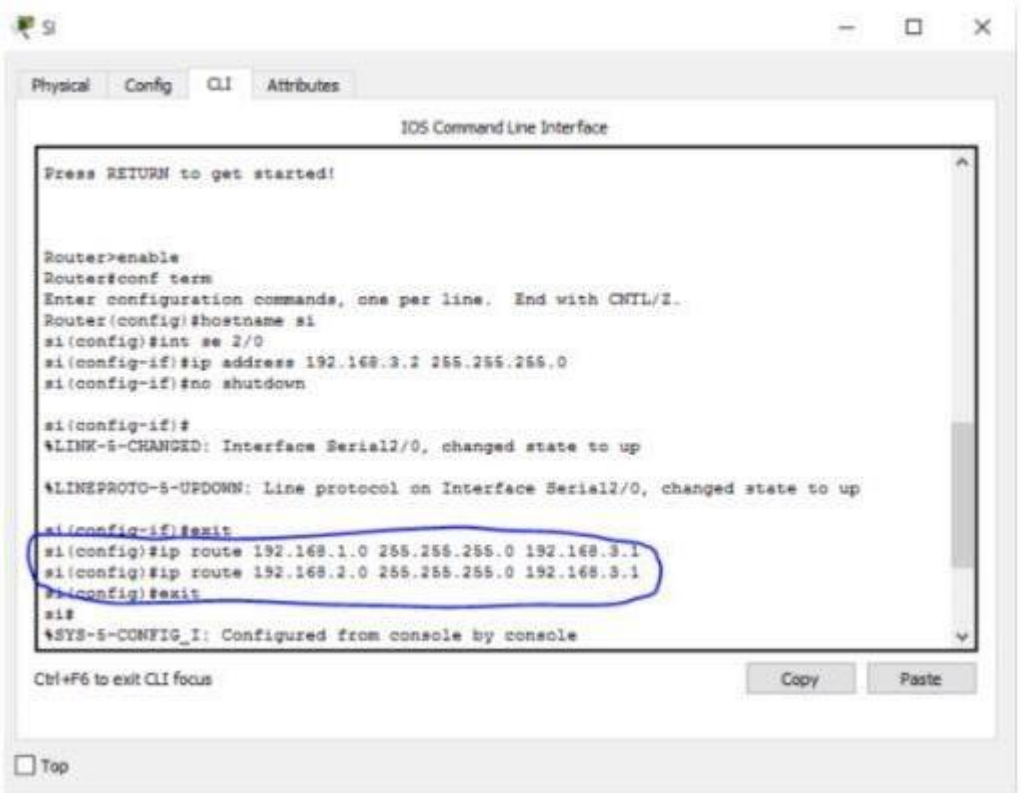
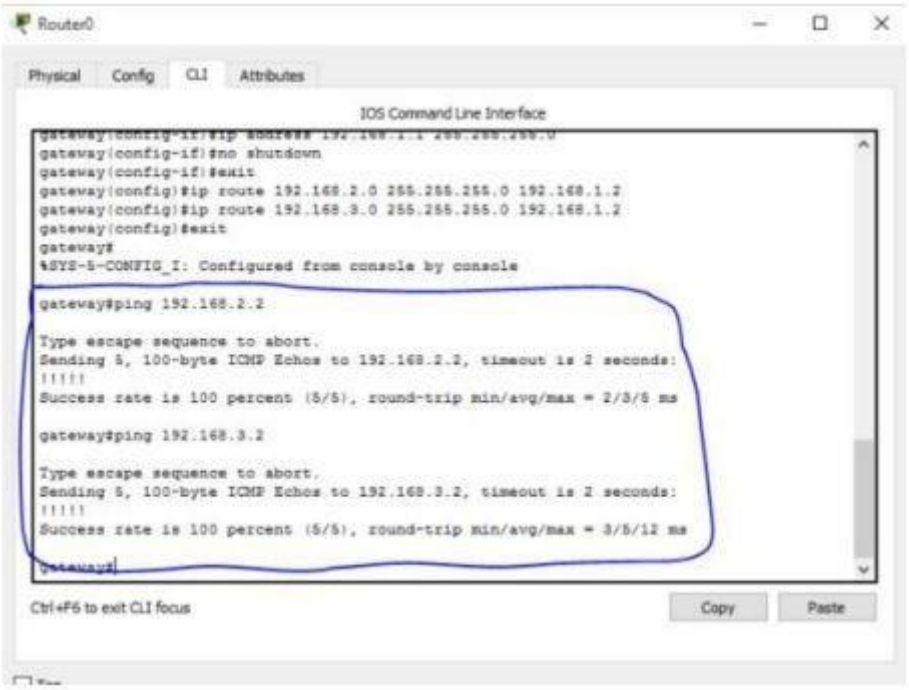
7. Routing Router Jarkom



8. Routing Router RPL



9. Routing Router SI



10. Melakukan uji koneksi(ping)