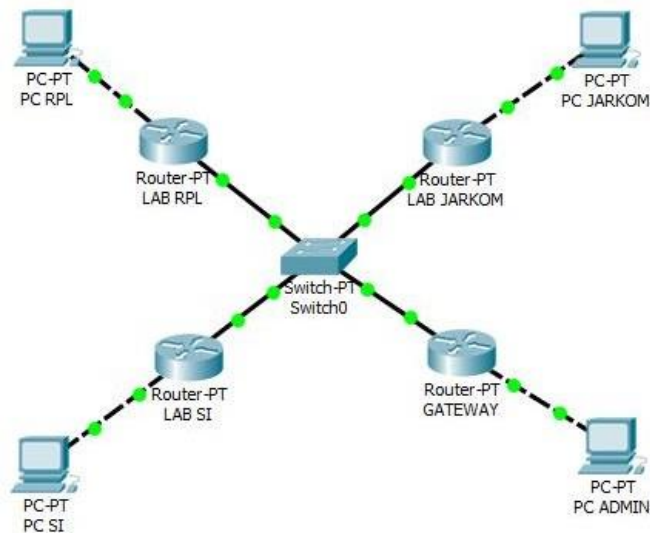


Nama : Kurnia Feby Vidayanto
Kelas : C
NIM : L200170102

NOMOR 1

1. Desain jaringan



2. Konfigurasi Router Jarkom

```
LAB JARKOM
Physical Config CLI Attributes
IOS Command Line Interface
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
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

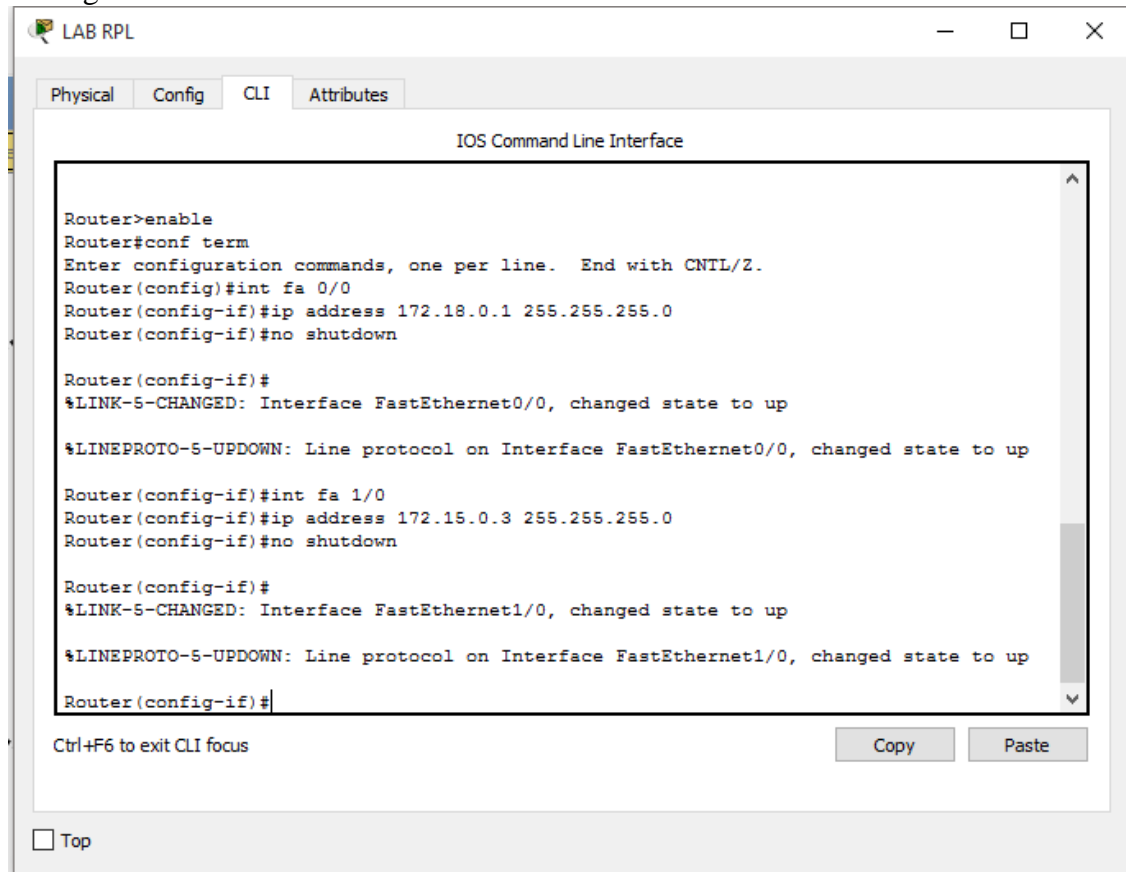
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

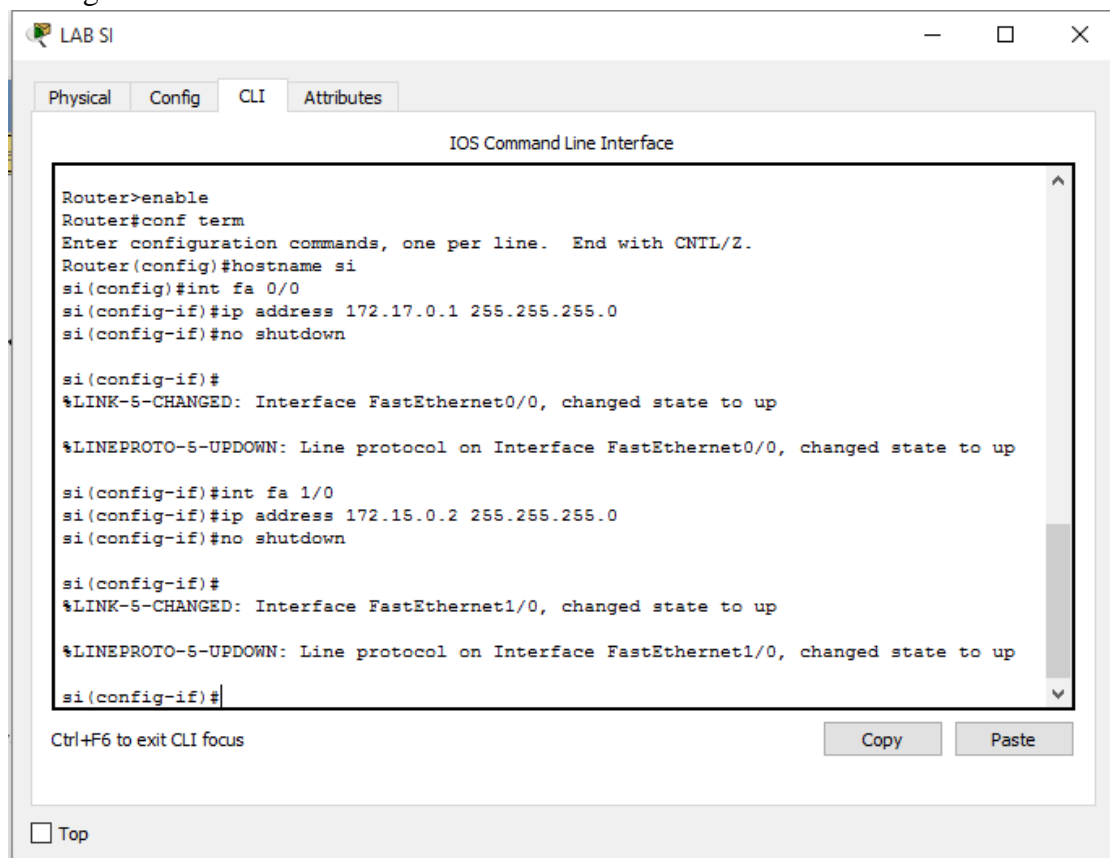
Router(config-if)#exit
Router(config)#hostname jarkom
jarkom(config)#

Ctrl+F6 to exit CLI focus
Copy Paste
Top
```

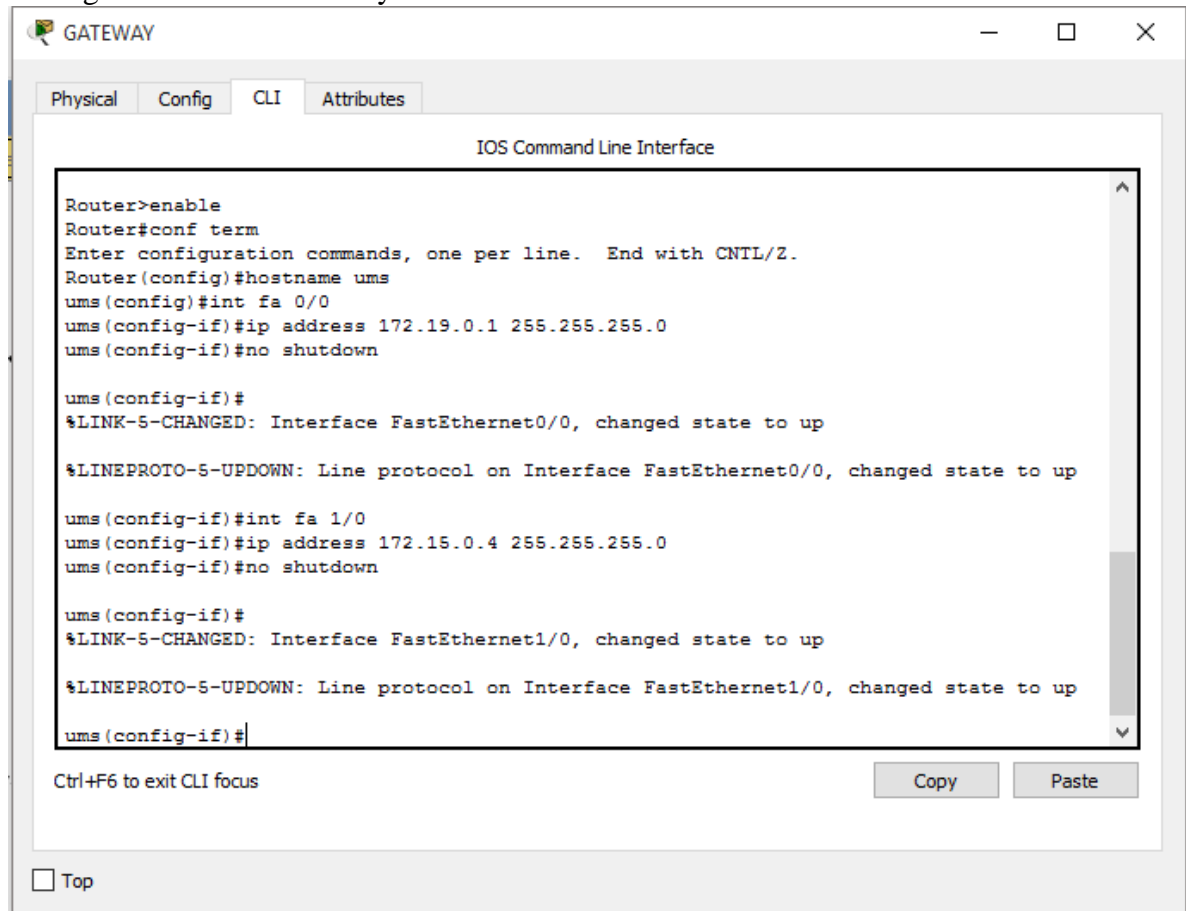
3. Konfigurasi Router RPL



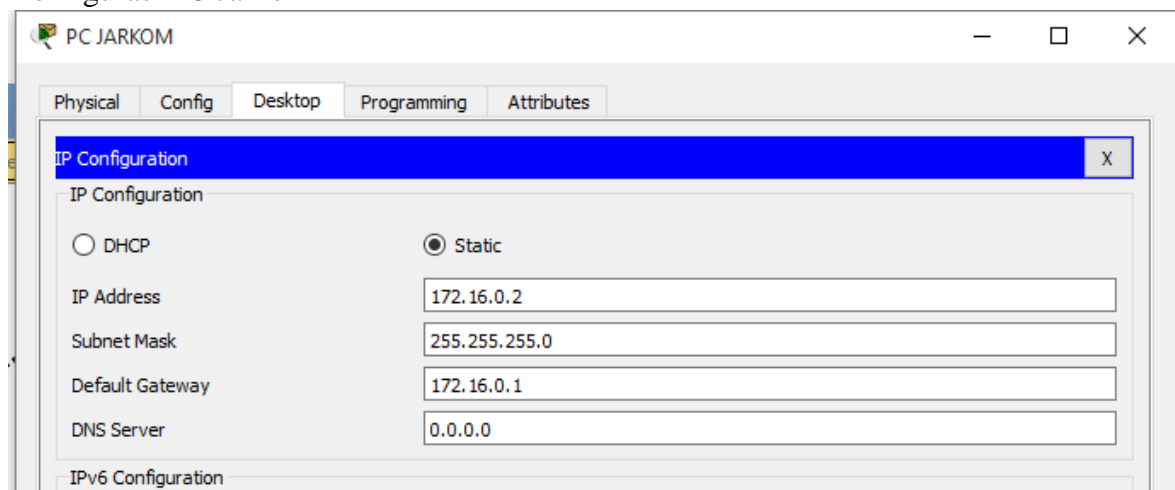
4. Konfigurasi Router SI



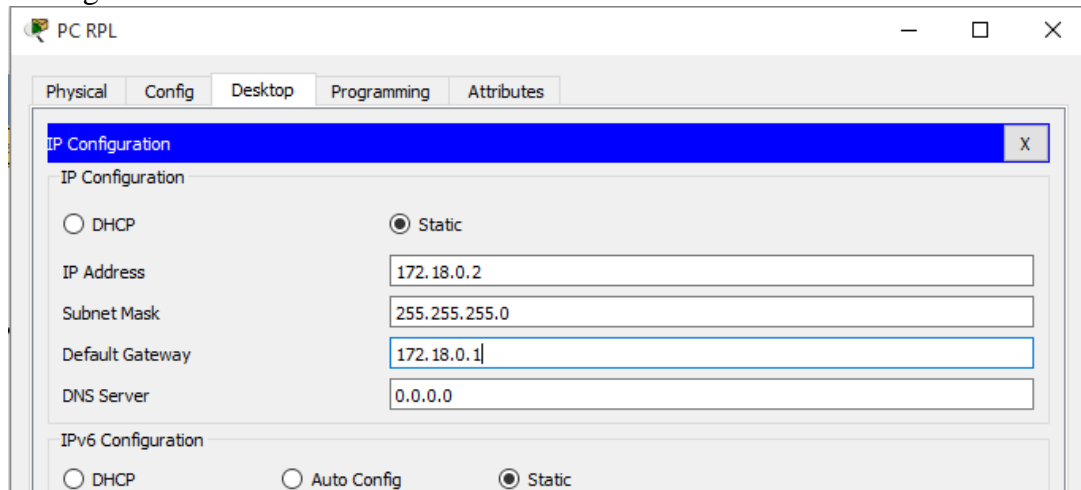
5. Konfigurasi Router Gateway



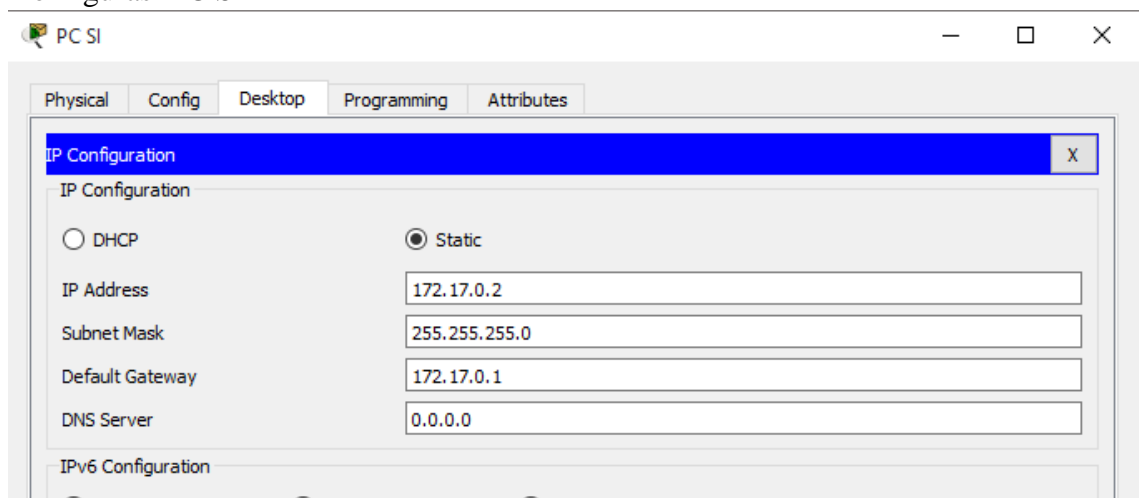
6. Konfigurasi PC Jarkom



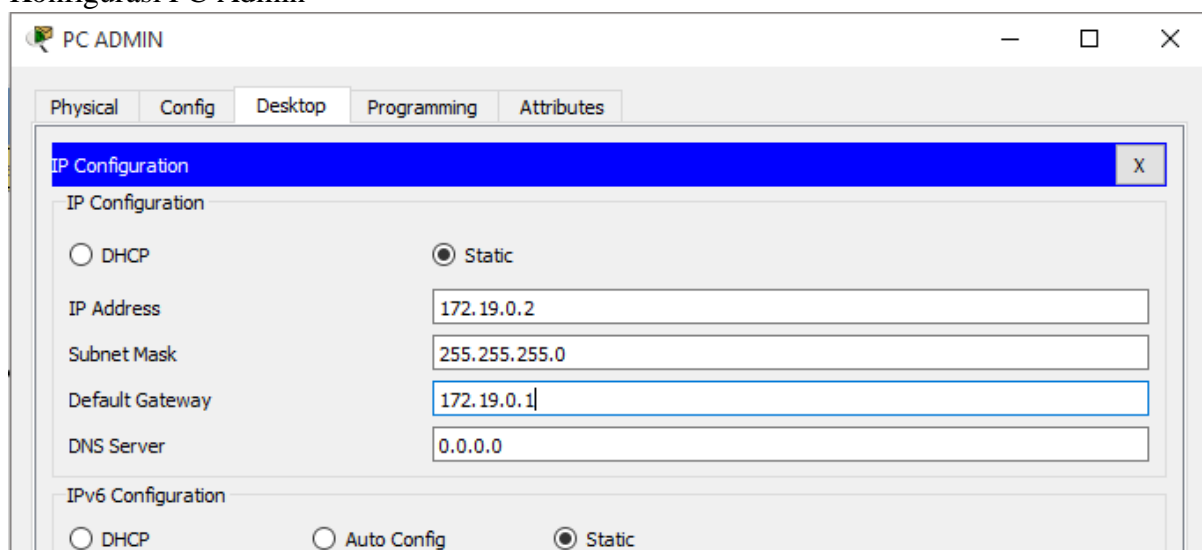
7. Konfigurasi PC RPL



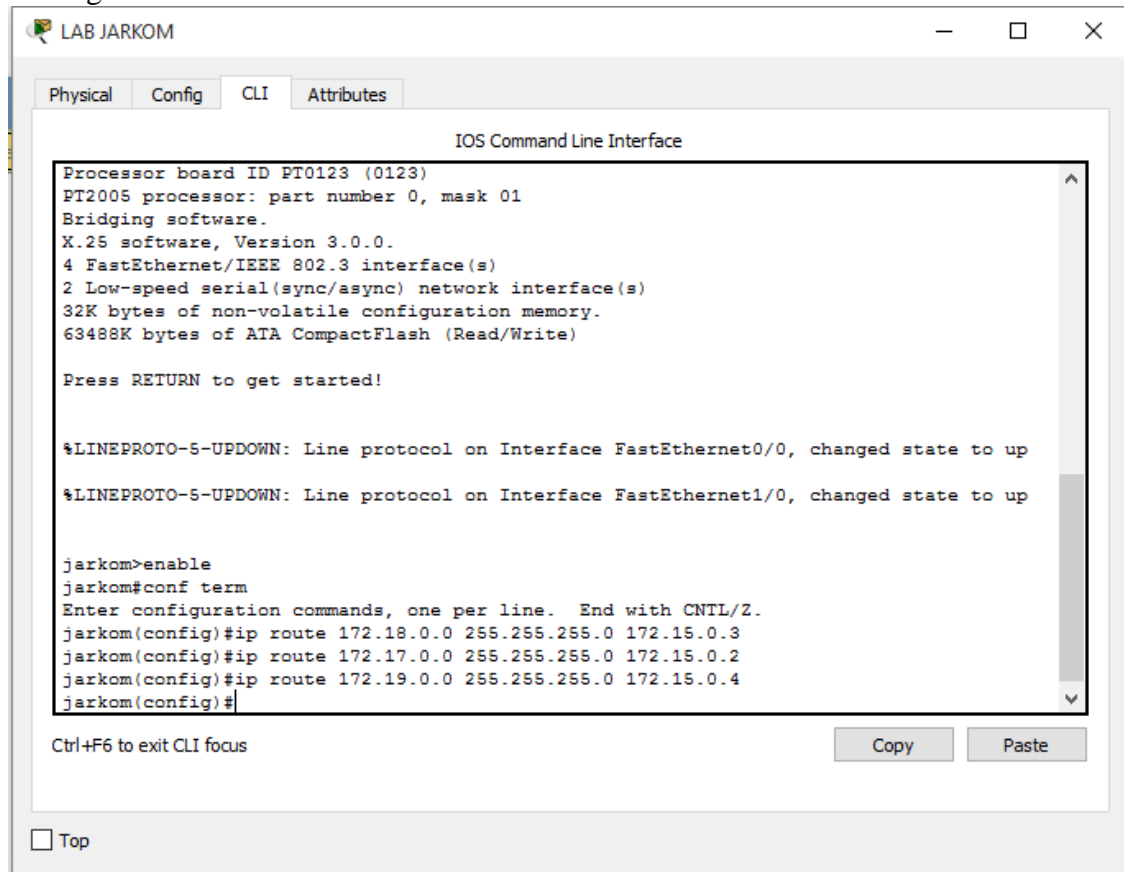
8. Konfigurasi PC SI



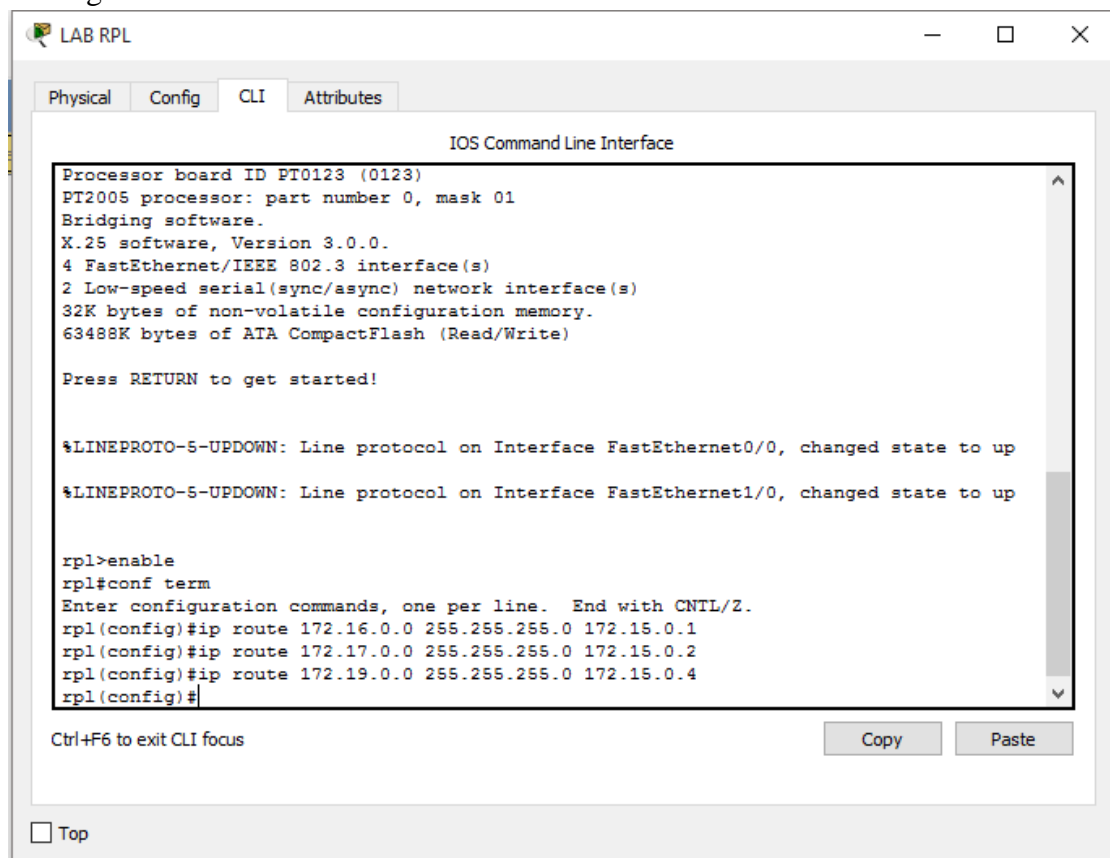
9. Konfigurasi PC Admin



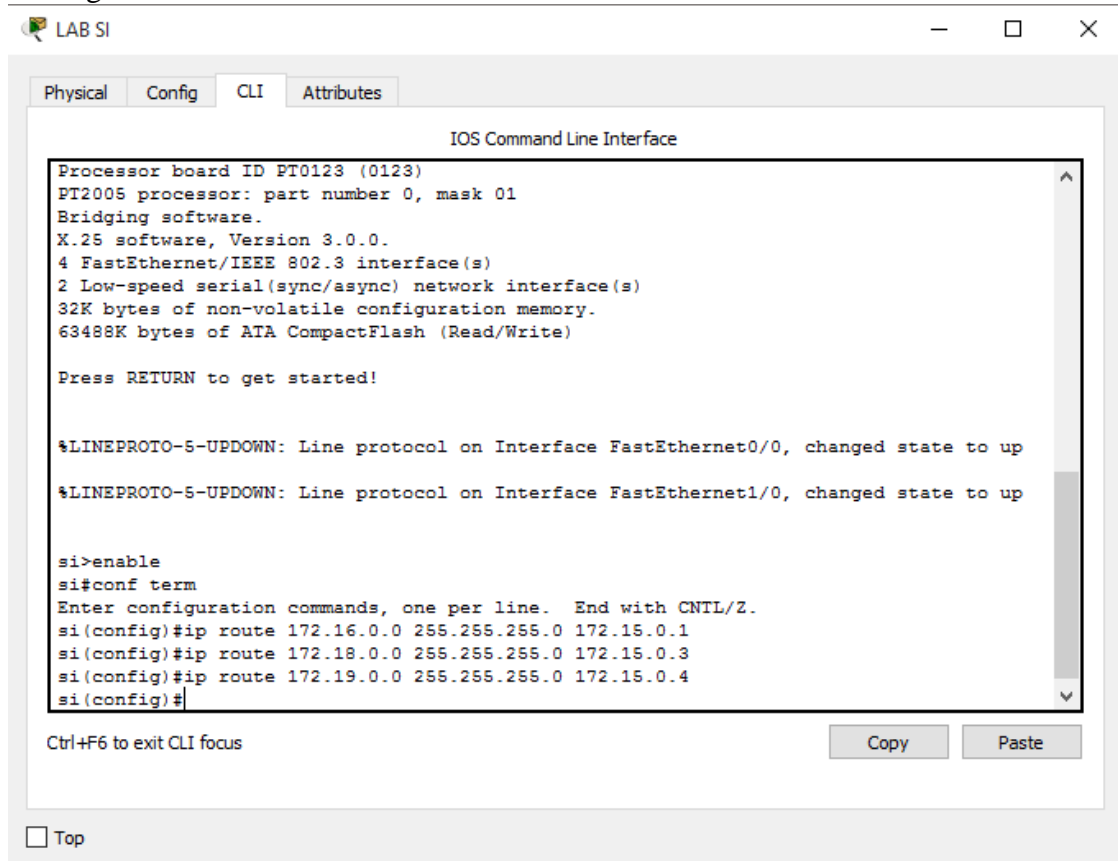
10. Routing – router Jarkom



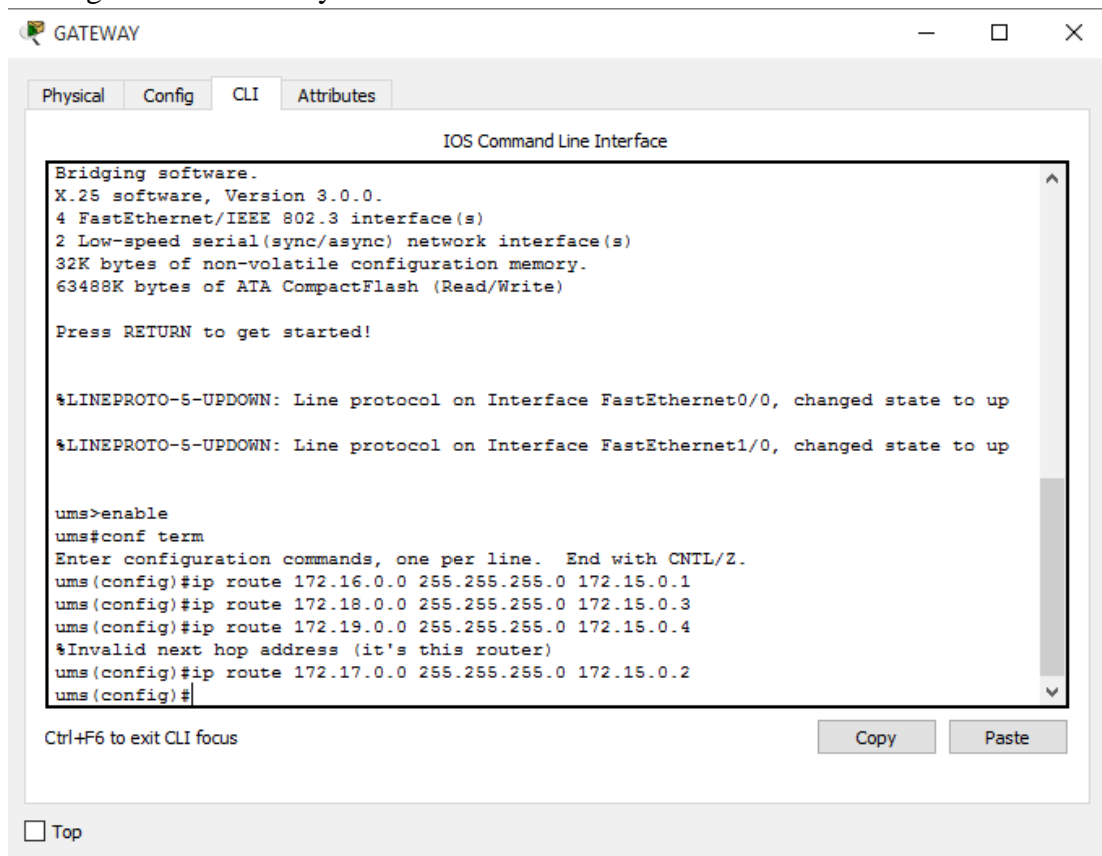
11. Routing – router RPL



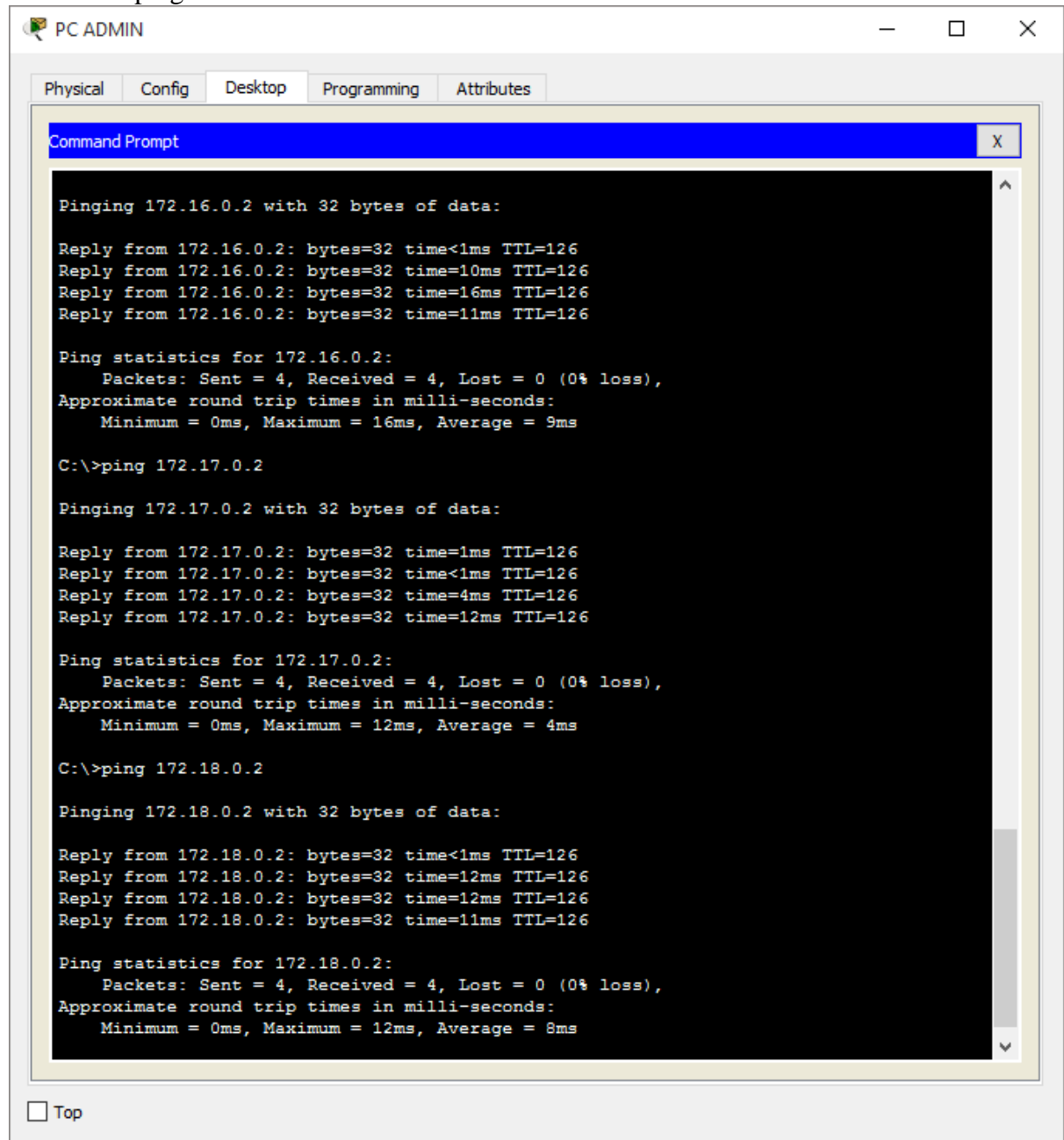
12. Routing – router SI



13. Routing – router Gateway



14. Melakukan ping

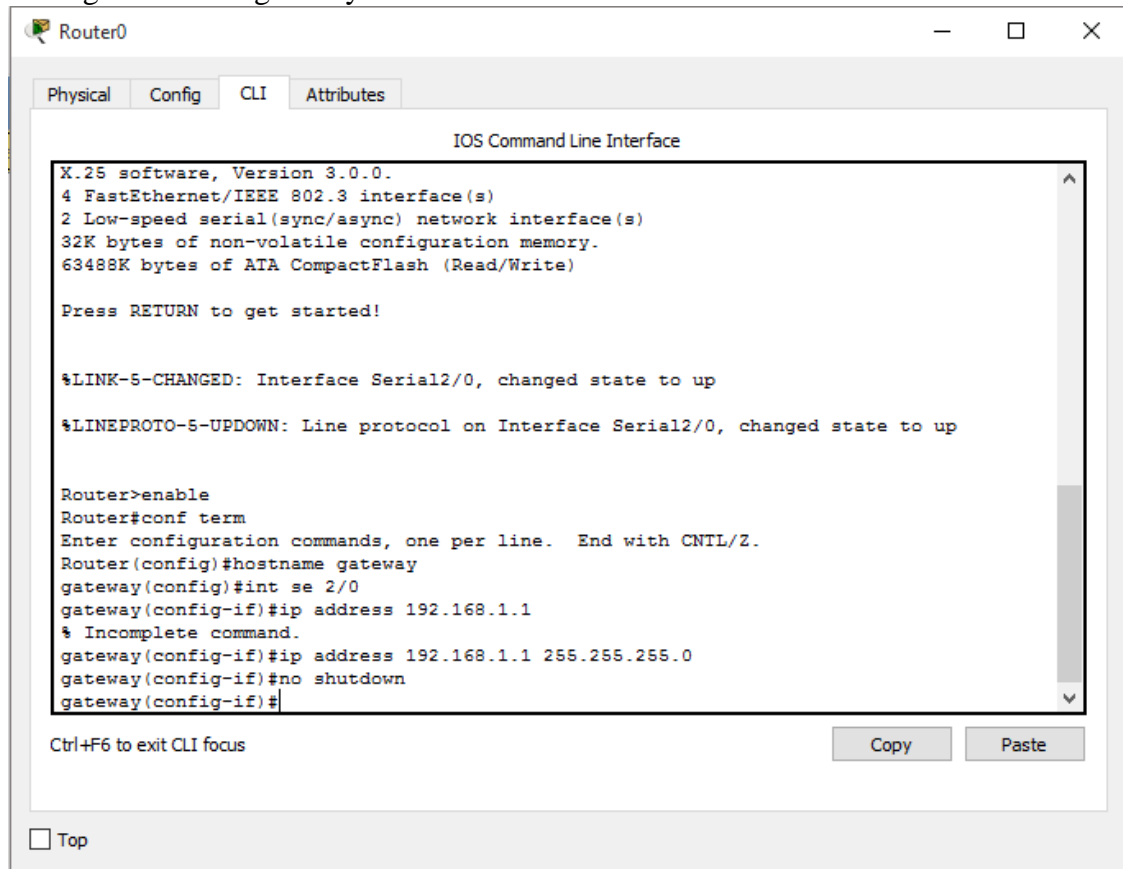


NOMOR 2 – STATIC

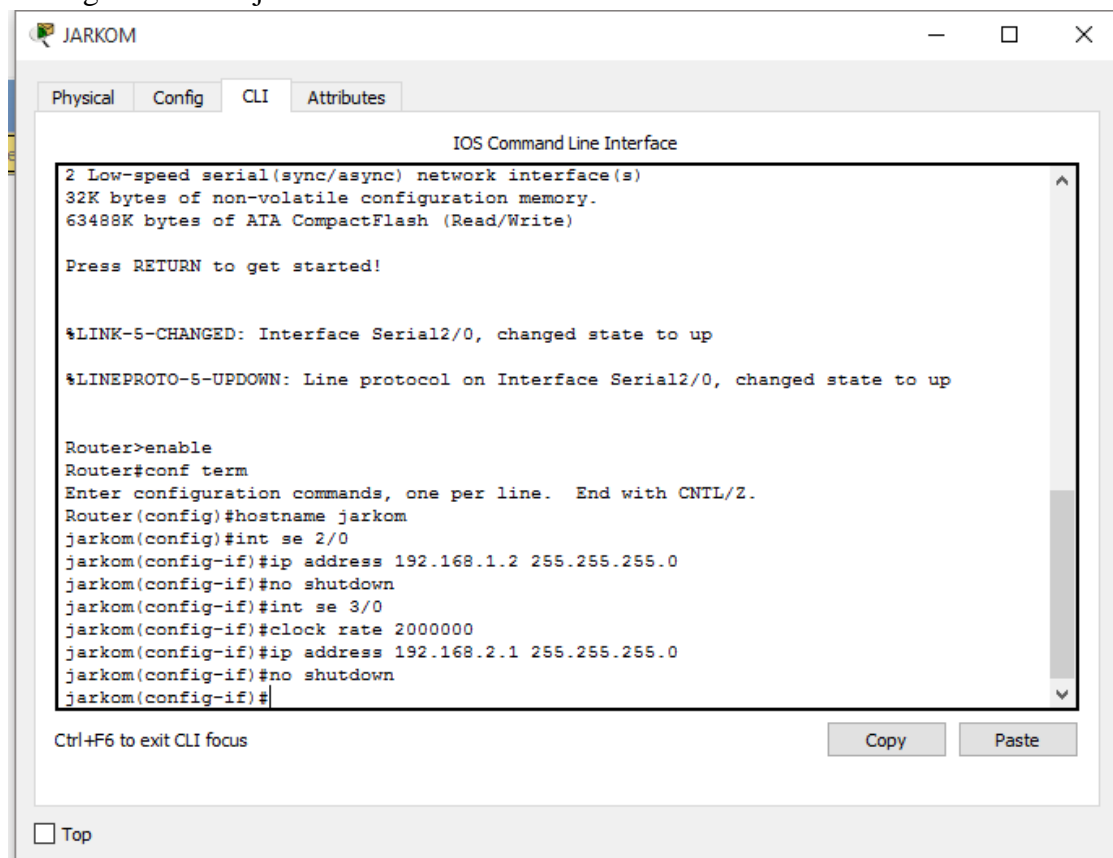
1. Desain jaringan



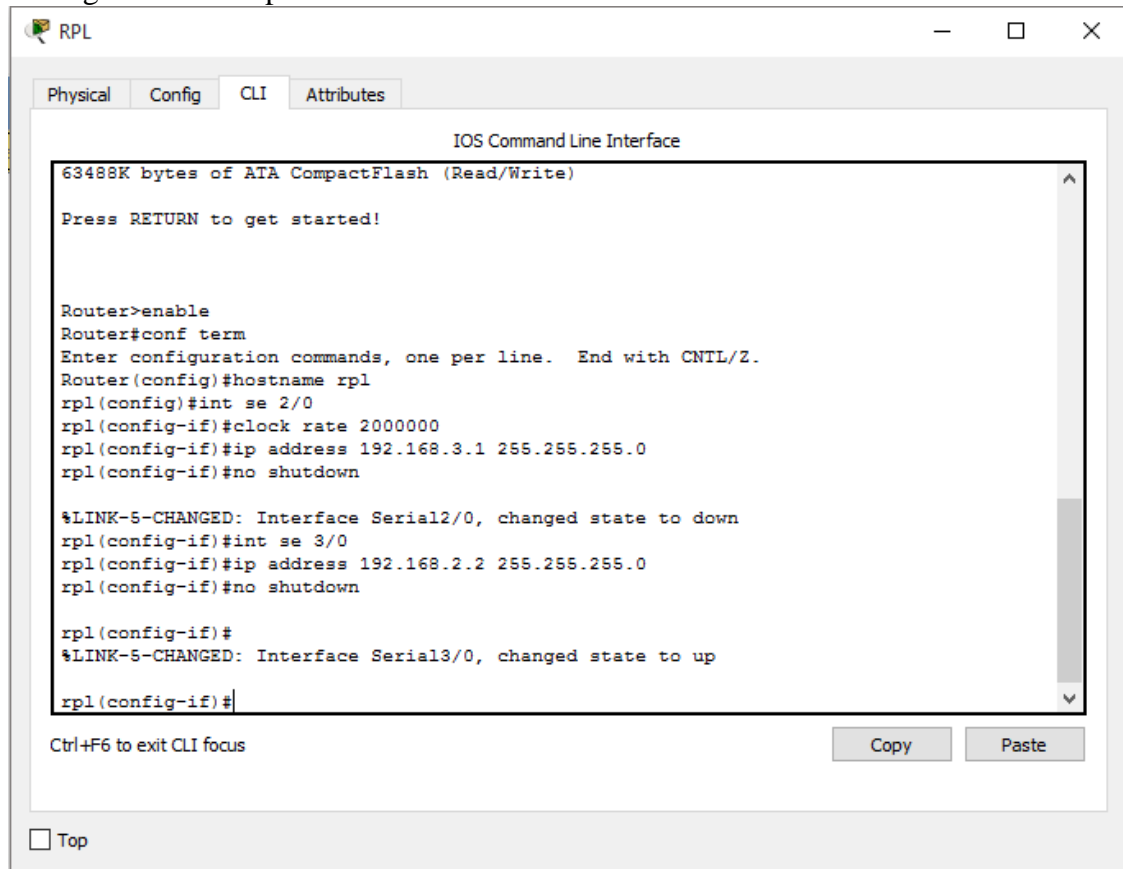
2. Konfigurasi router gateway



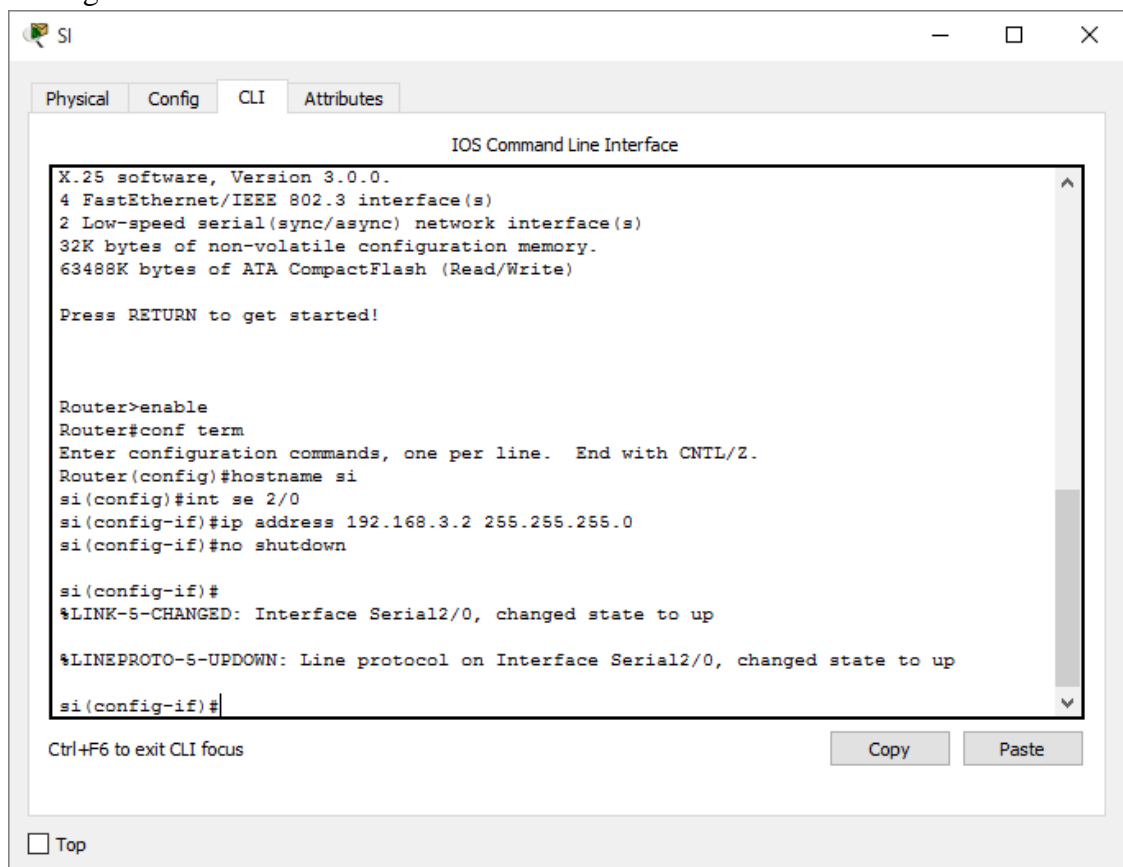
3. Konfigurasi router jarkom



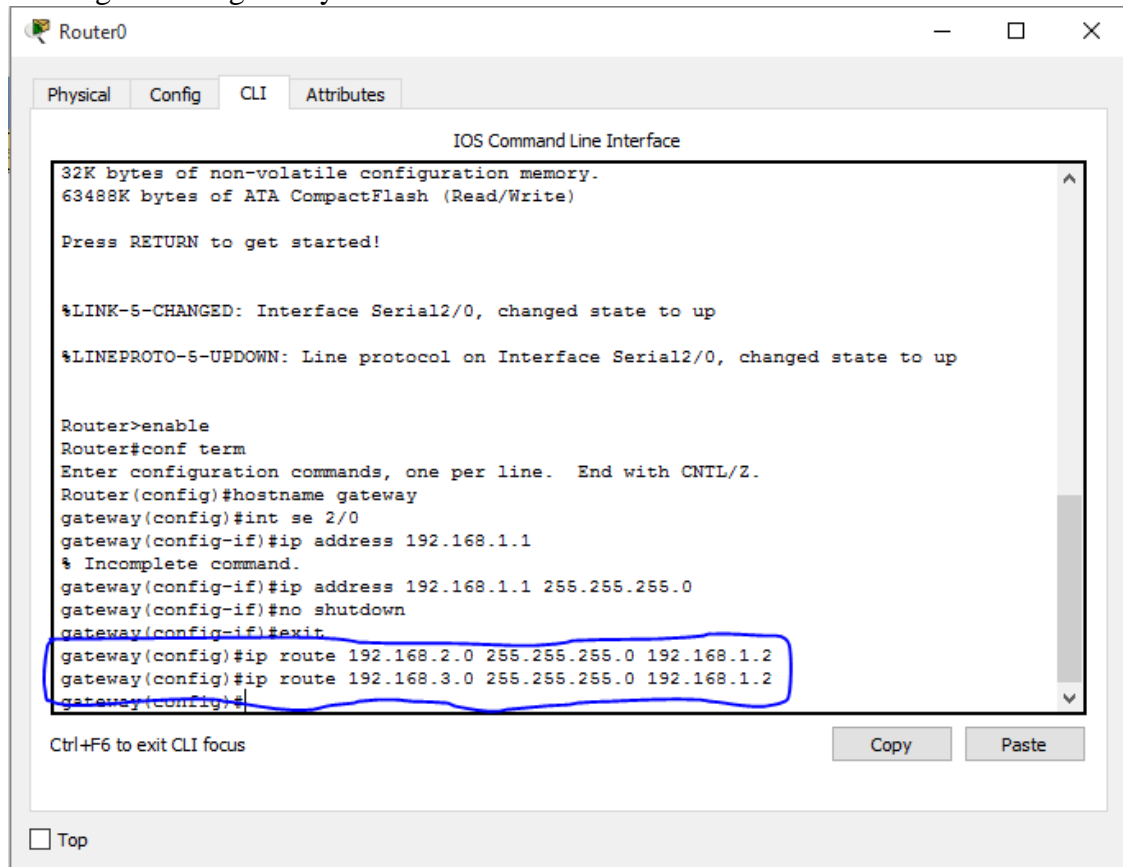
4. Konfigurasi router rpl



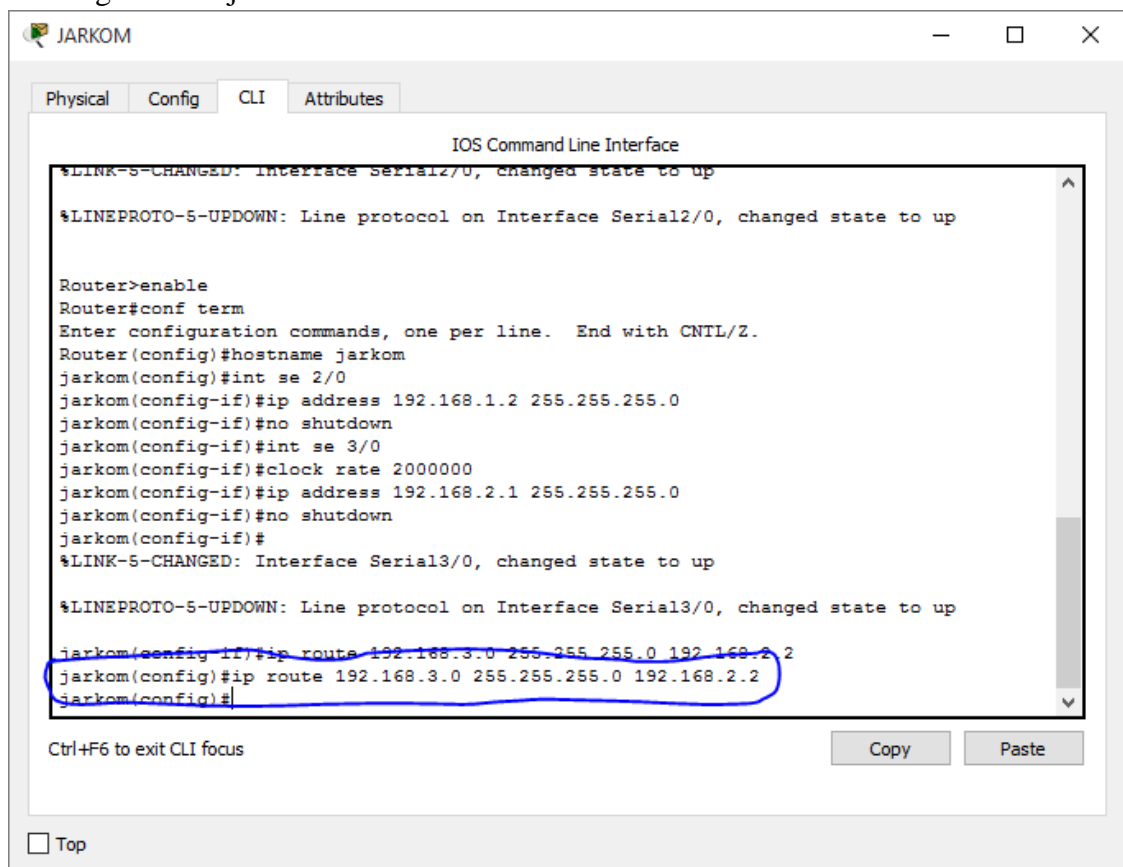
5. Konfigurasi router si



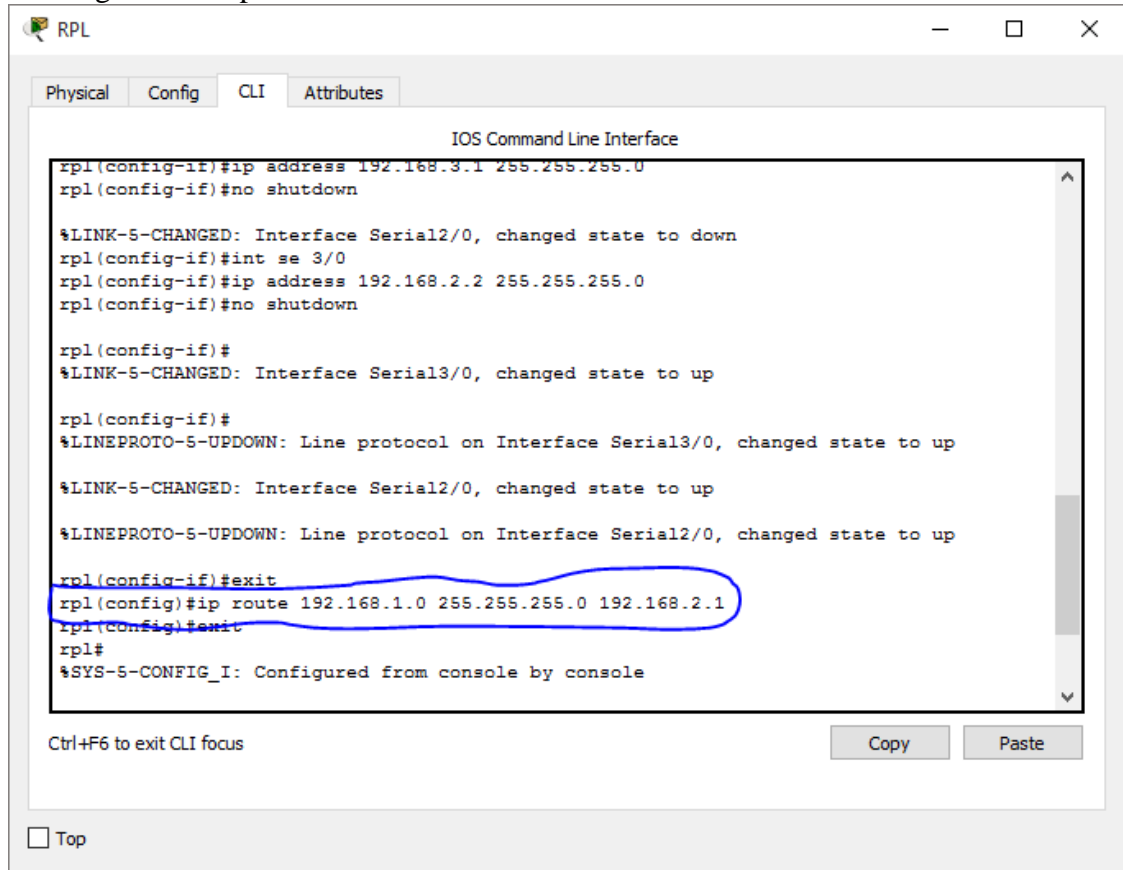
6. Routing – router gateway



7. Routing – router jarkom



8. Routing – router rpl



The screenshot shows the CLI of router RPL. The configuration process includes setting IP addresses and enabling interfaces. The final command, `rpl(config)#ip route 192.168.1.0 255.255.255.0 192.168.2.1`, is circled in blue. The interface status messages indicate that Serial2/0 and Serial3/0 are up.

```
rpl(config-if)#ip address 192.168.3.1 255.255.255.0
rpl(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
rpl(config-if)#int se 3/0
rpl(config-if)#ip address 192.168.2.2 255.255.255.0
rpl(config-if)#no shutdown

rpl(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

rpl(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

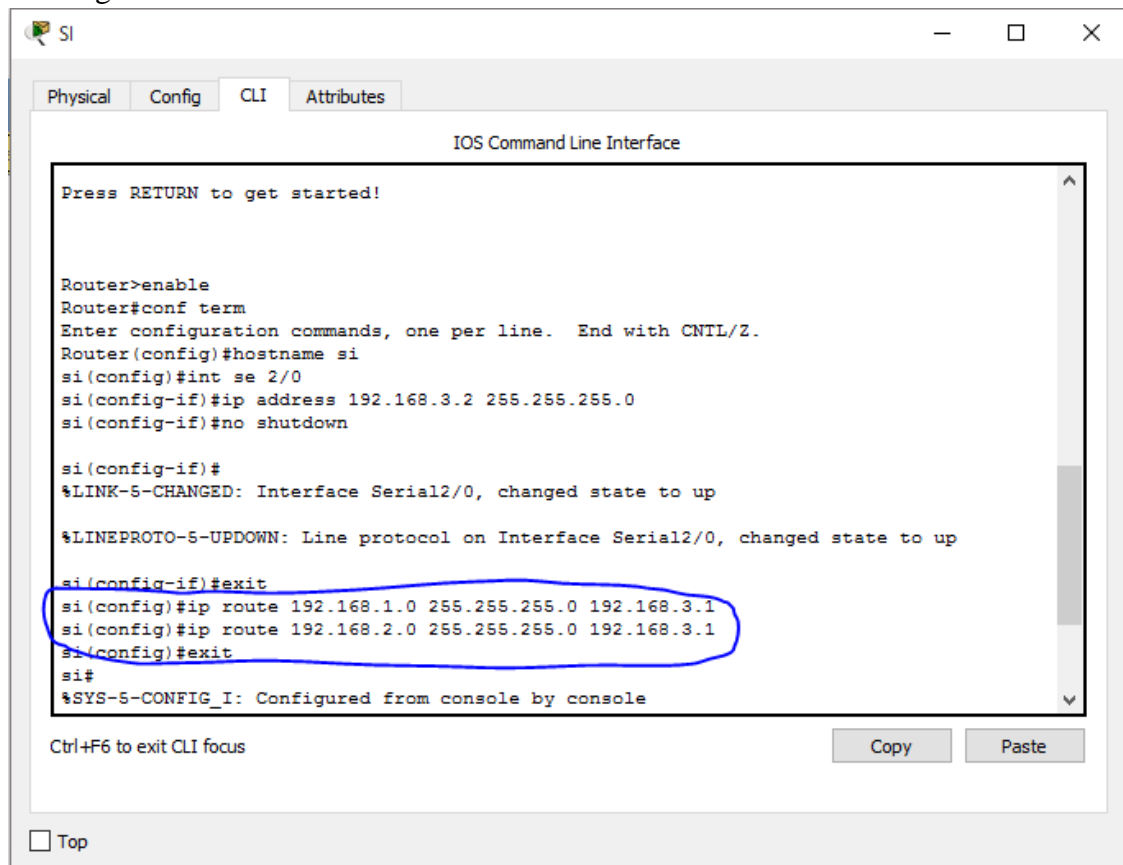
rpl(config-if)#exit
rpl(config)#ip route 192.168.1.0 255.255.255.0 192.168.2.1
rpl(config)#exit
rpl#
%SYS-5-CONFIG_I: Configured from console by console
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

9. Routing – router si



The screenshot shows the CLI of router SI. The configuration process includes enabling the router, entering configuration mode, setting the hostname to 'si', and configuring interface Serial2/0. The final two commands, `si(config)#ip route 192.168.1.0 255.255.255.0 192.168.3.1` and `si(config)#ip route 192.168.2.0 255.255.255.0 192.168.3.1`, are circled in blue. The interface status messages indicate that Serial2/0 is up.

```
Press RETURN to get started!

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname si
si(config)#int se 2/0
si(config-if)#ip address 192.168.3.2 255.255.255.0
si(config-if)#no shutdown

si(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

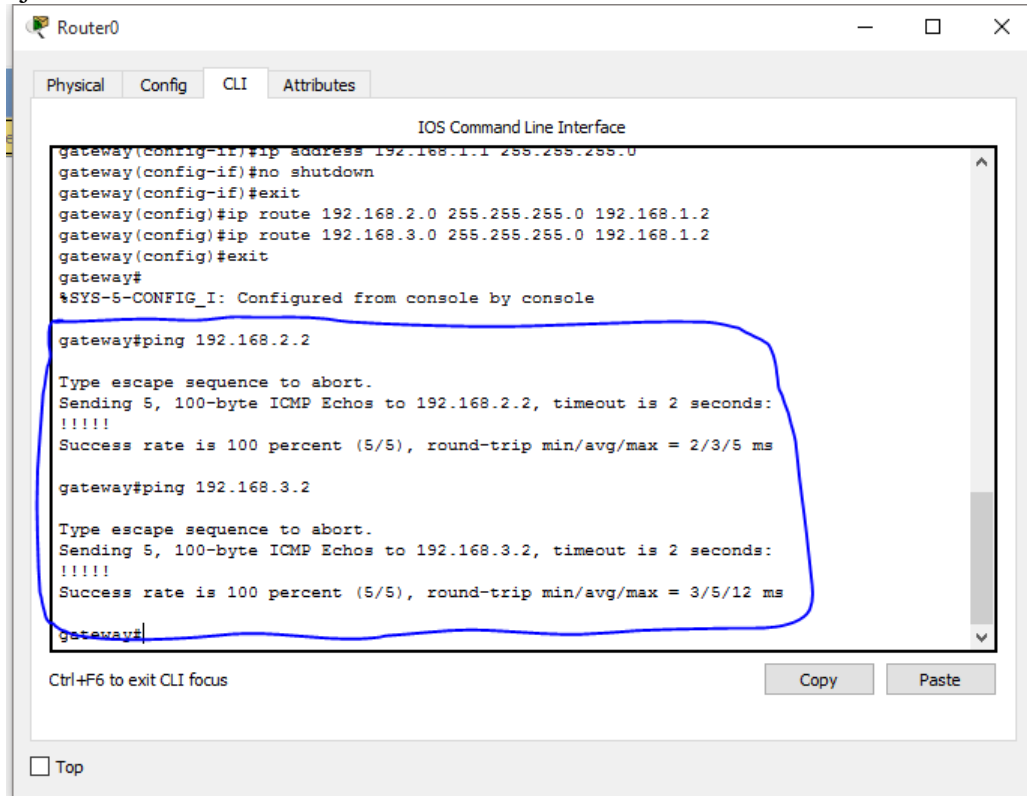
si(config-if)#exit
si(config)#ip route 192.168.1.0 255.255.255.0 192.168.3.1
si(config)#ip route 192.168.2.0 255.255.255.0 192.168.3.1
si(config)#exit
si#
%SYS-5-CONFIG_I: Configured from console by console
```

Ctrl+F6 to exit CLI focus

Copy Paste

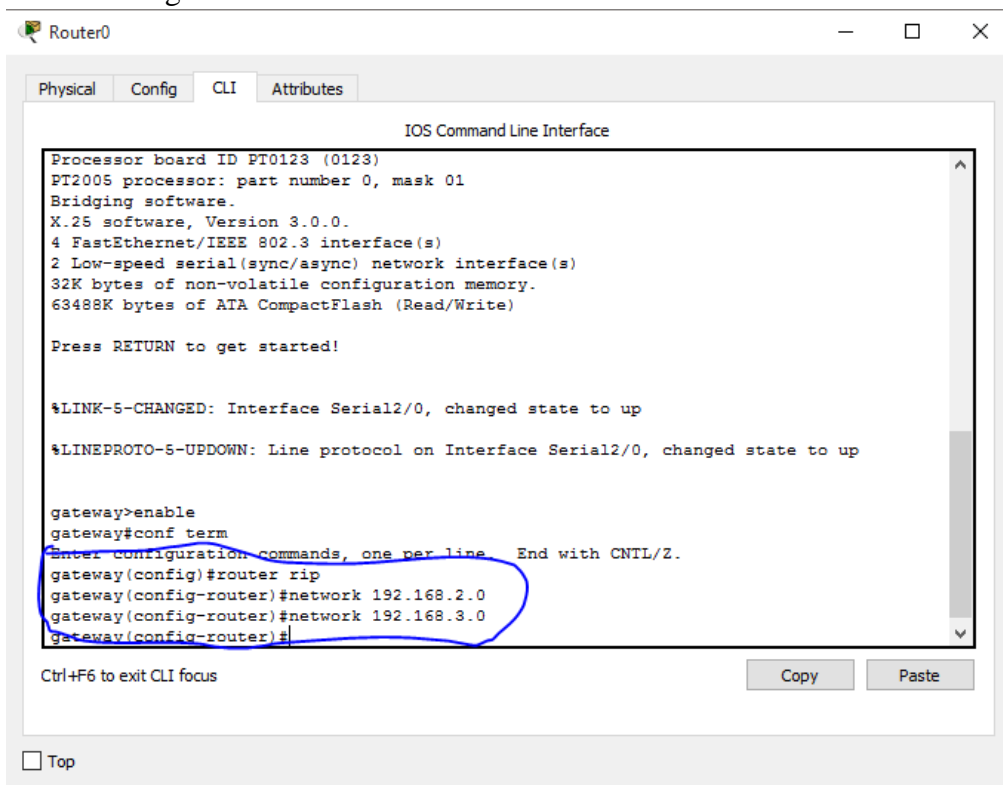
☐ Top

10. Uji konektivitas

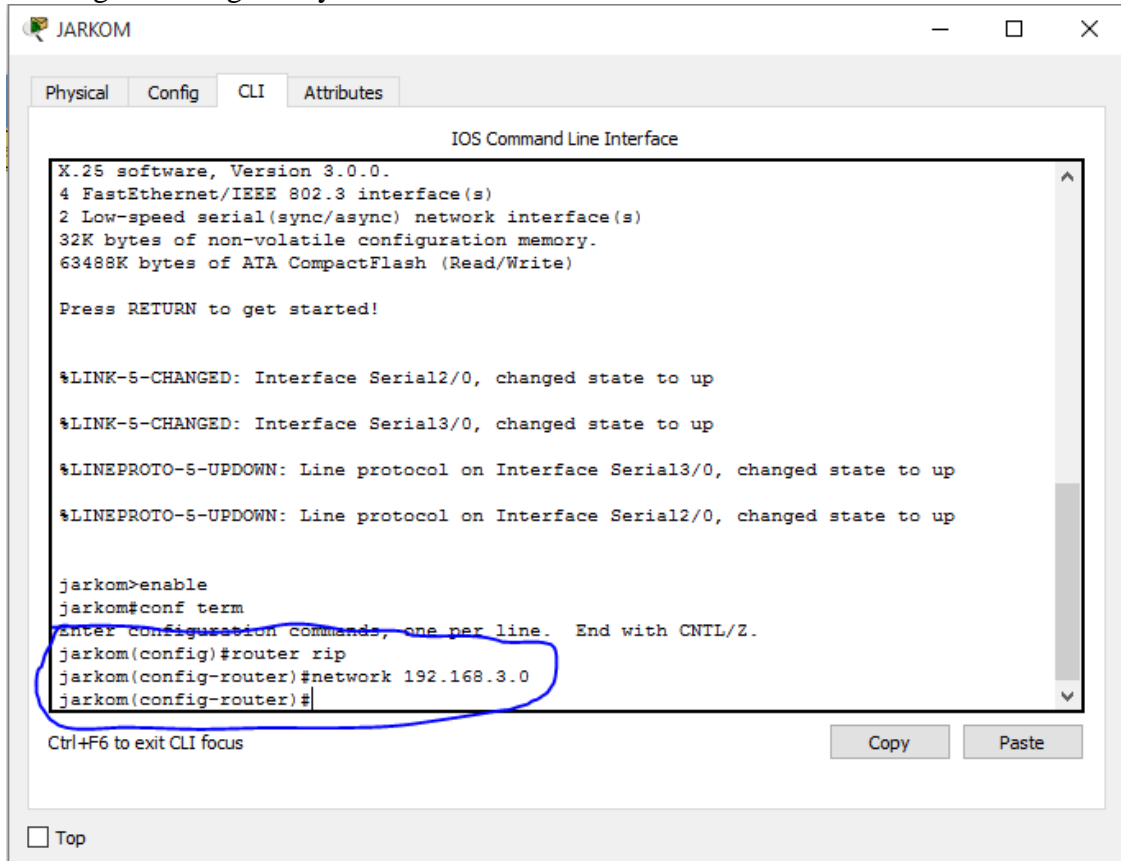


NOMOR 2 – DINAMIS (RIP)

1. Desain Jaringan



2. Routing – router gateway



The screenshot shows the JARKOM router's CLI interface. The window title is "JARKOM". It has tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The text in the CLI window is as follows:

```
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

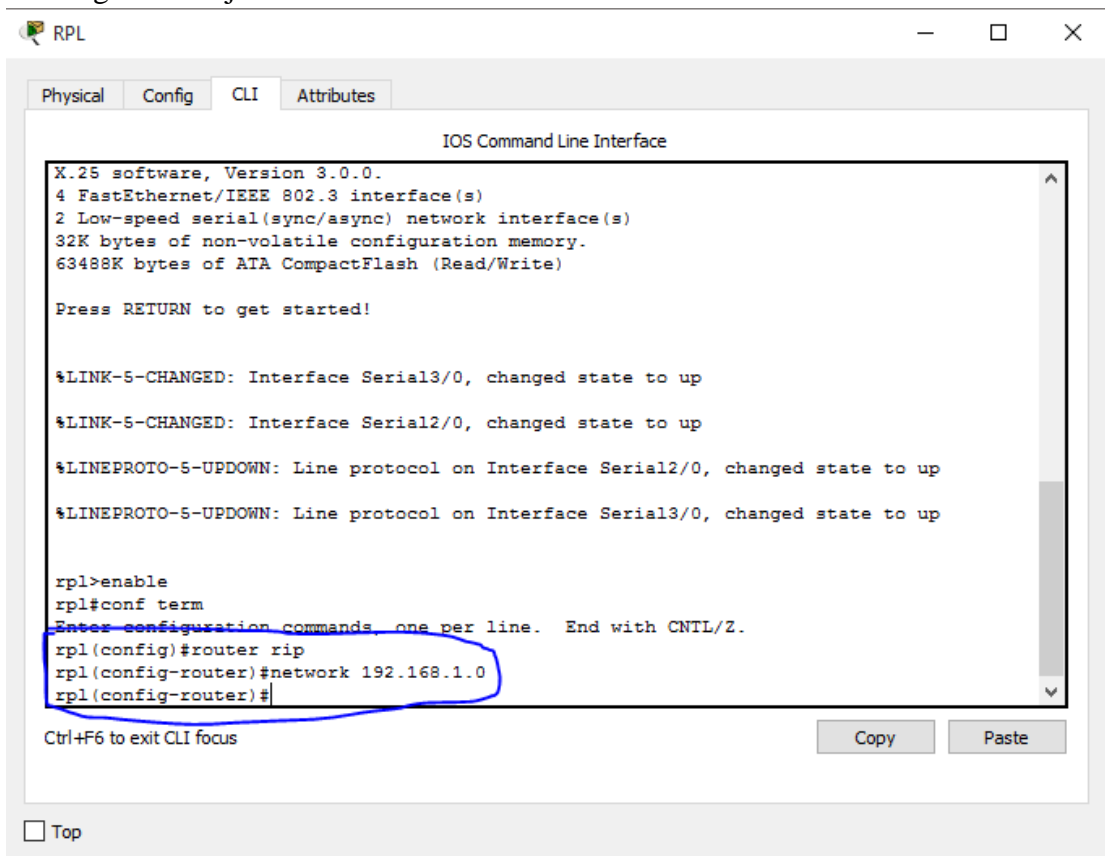
Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

jarkom>enable
jarkom#conf term
Enter configuration commands, one per line. End with CNTL/Z.
jarkom(config)#router rip
jarkom(config-router)#network 192.168.3.0
jarkom(config-router)#
```

Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" message and two buttons: "Copy" and "Paste". At the bottom left, there is a "Top" button.

3. Routing – router jarkom



The screenshot shows the RPL router's CLI interface. The window title is "RPL". It has tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The text in the CLI window is as follows:

```
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

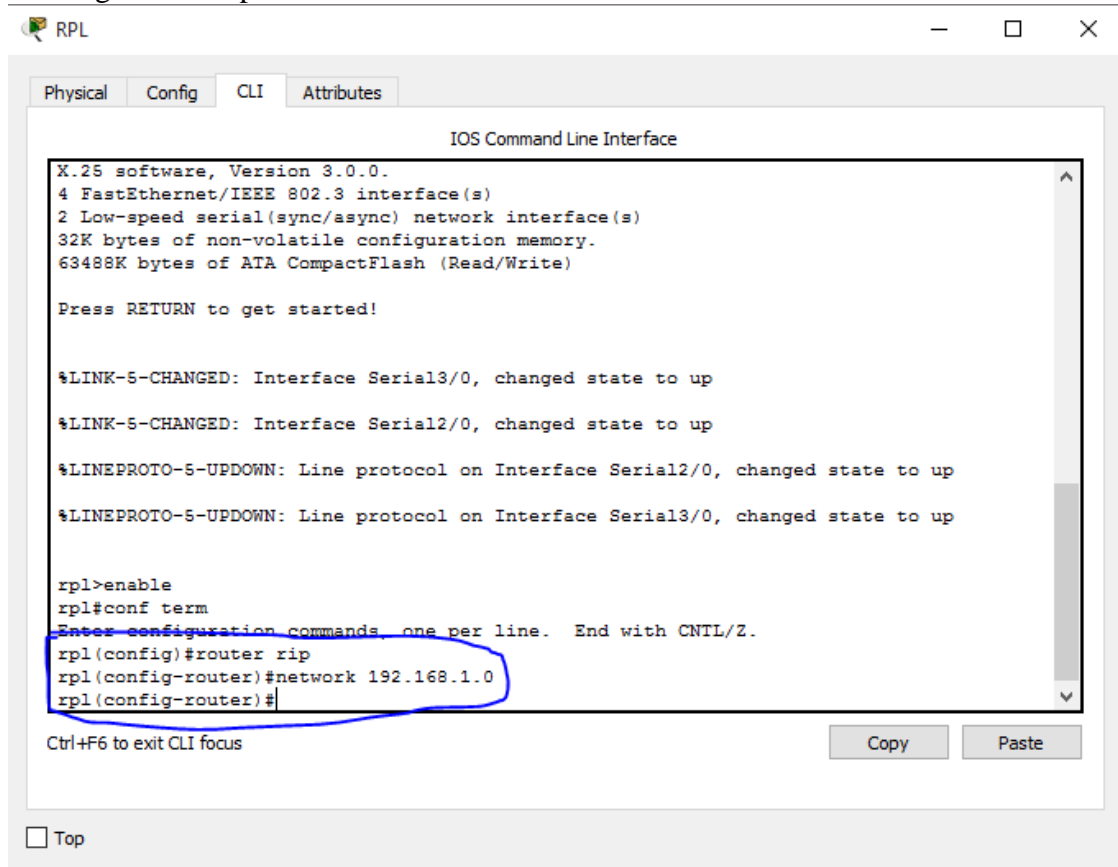
Press RETURN to get started!

%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

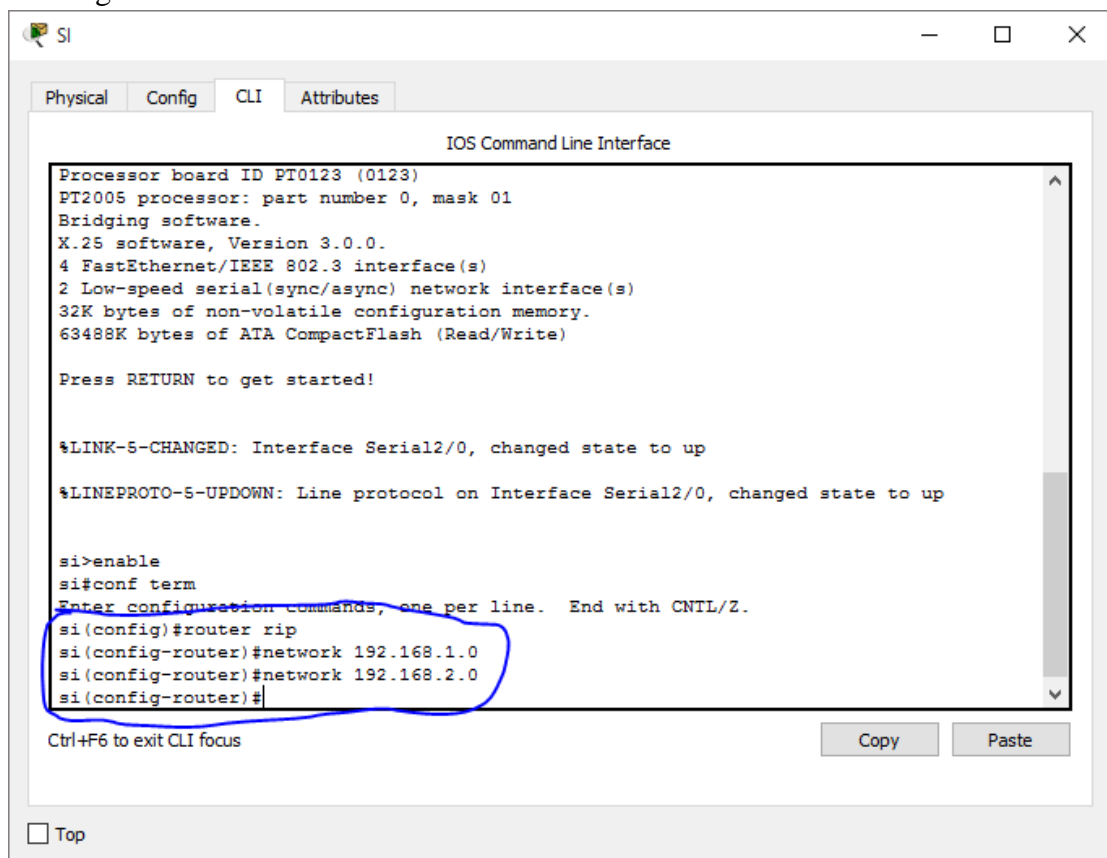
rpl>enable
rpl#conf term
Enter configuration commands, one per line. End with CNTL/Z.
rpl(config)#router rip
rpl(config-router)#network 192.168.1.0
rpl(config-router)#
```

Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" message and two buttons: "Copy" and "Paste". At the bottom left, there is a "Top" button.

4. Routing – router rpl



5. Routing – router si



6. Uji konektivitas

