

Nama : REZA MIFTAHUL RIZKI

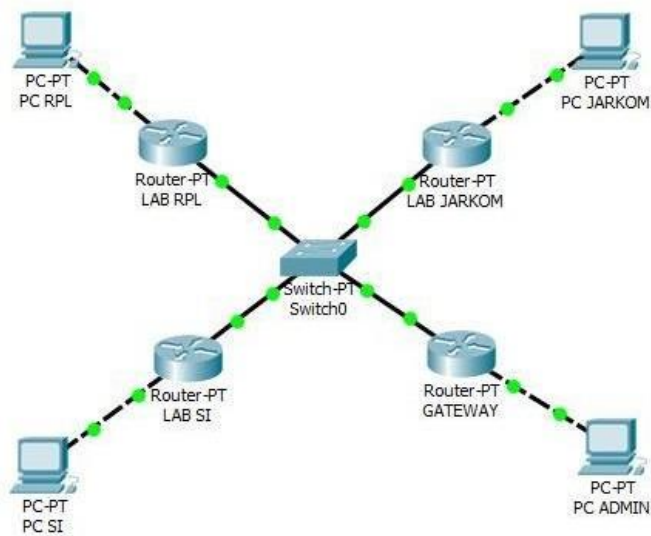
Kelas : C

NIM : L200170108

Modul : 11

## NOMOR 1

### 1. Desain jaringan



### 2. Konfigurasi Router Jarkom

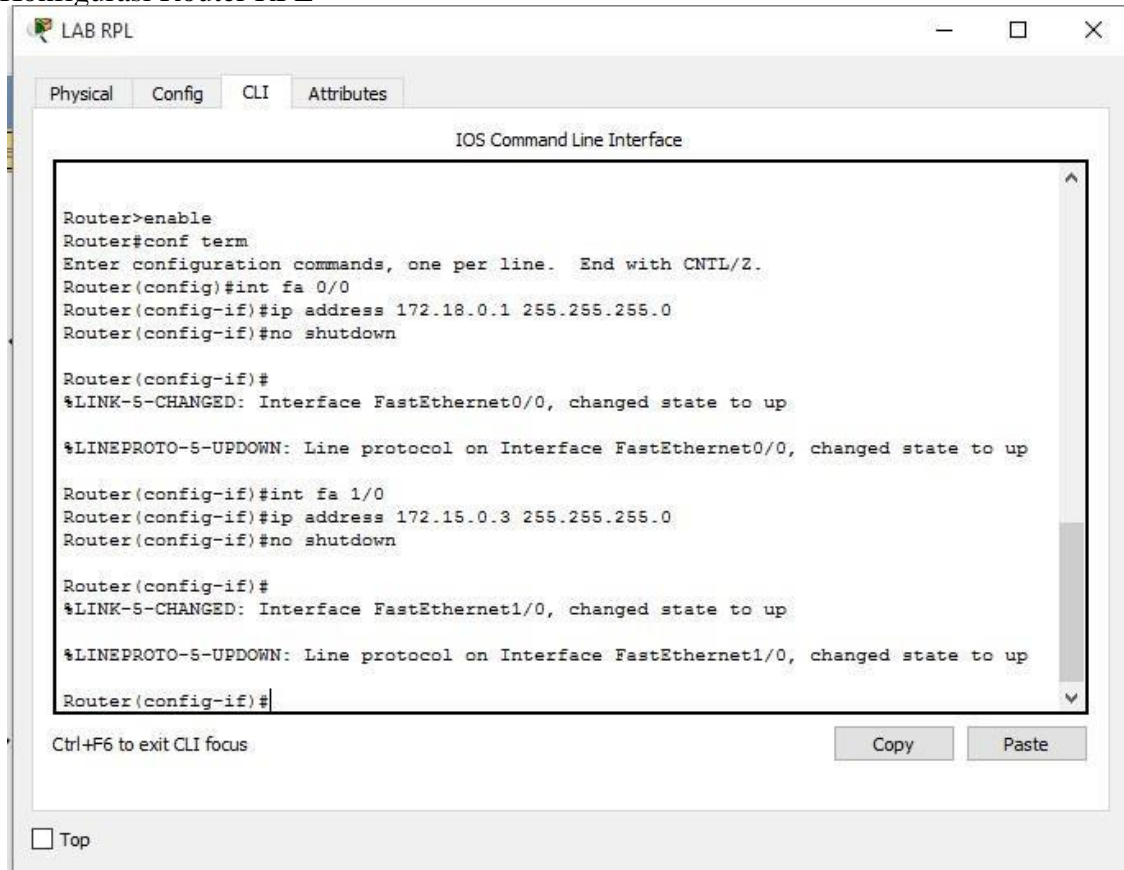
```
LAB JARKOM
Physical Config CLI Attributes
IOS Command Line Interface
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)#ip address 172.16.0.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: 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

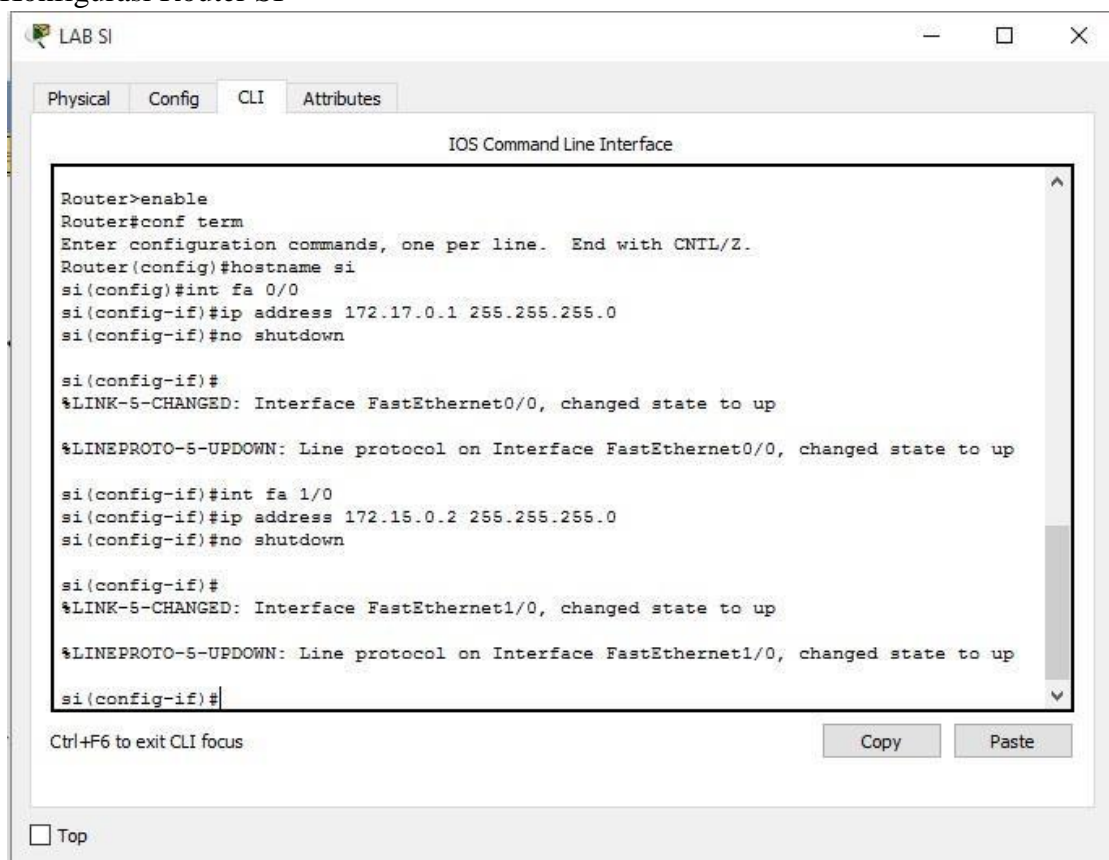
Copy Paste

Top

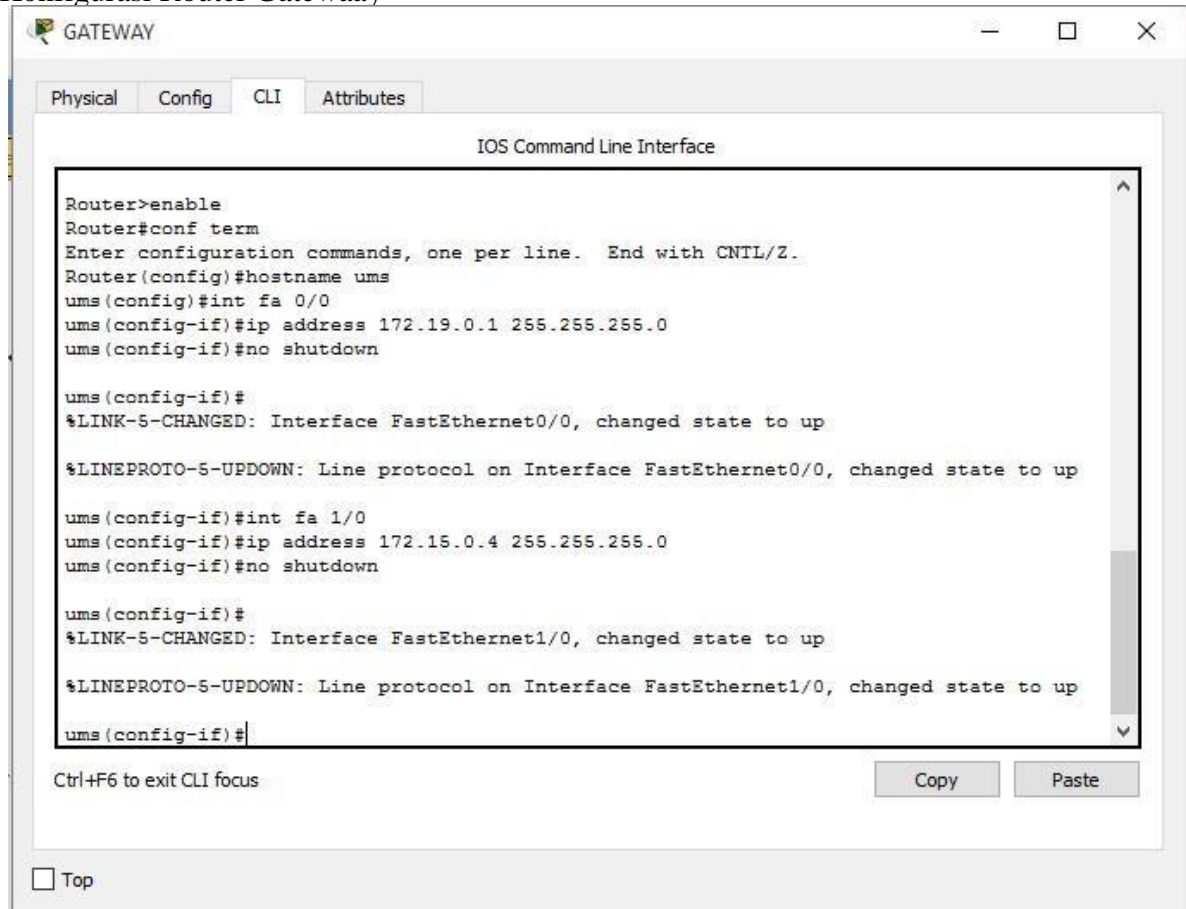
### 3. Konfigurasi Router RPL



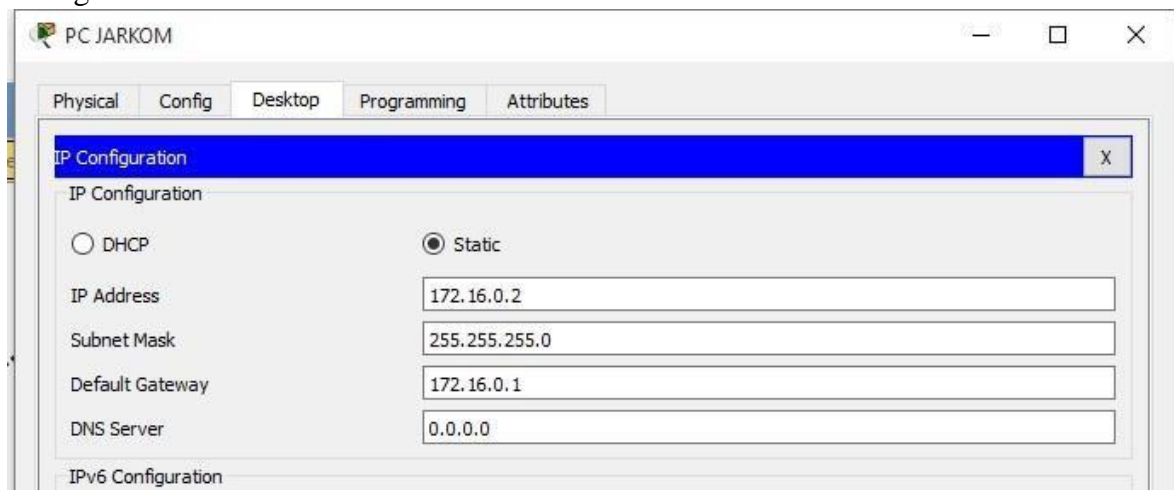
### 4. Konfigurasi Router SI



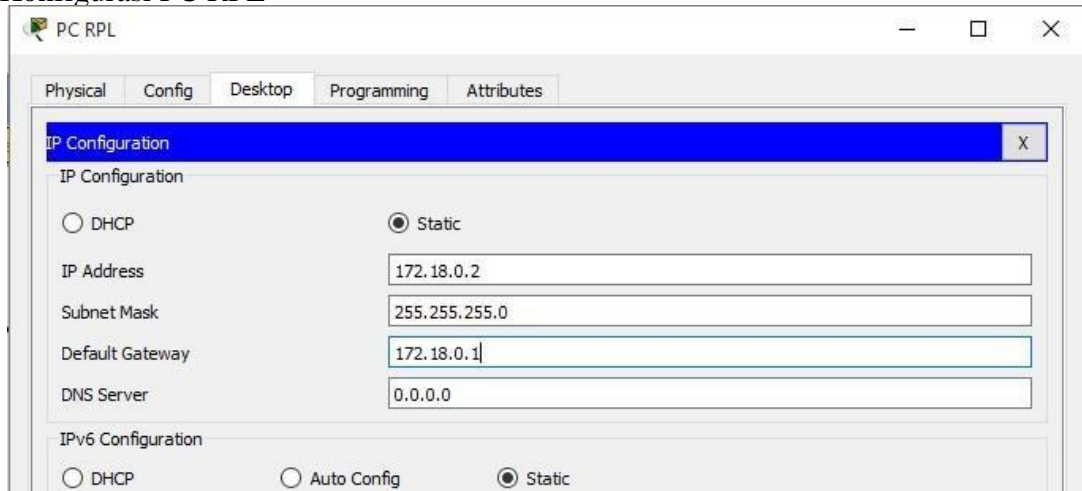
## 5. Konfigurasi Router Gateway



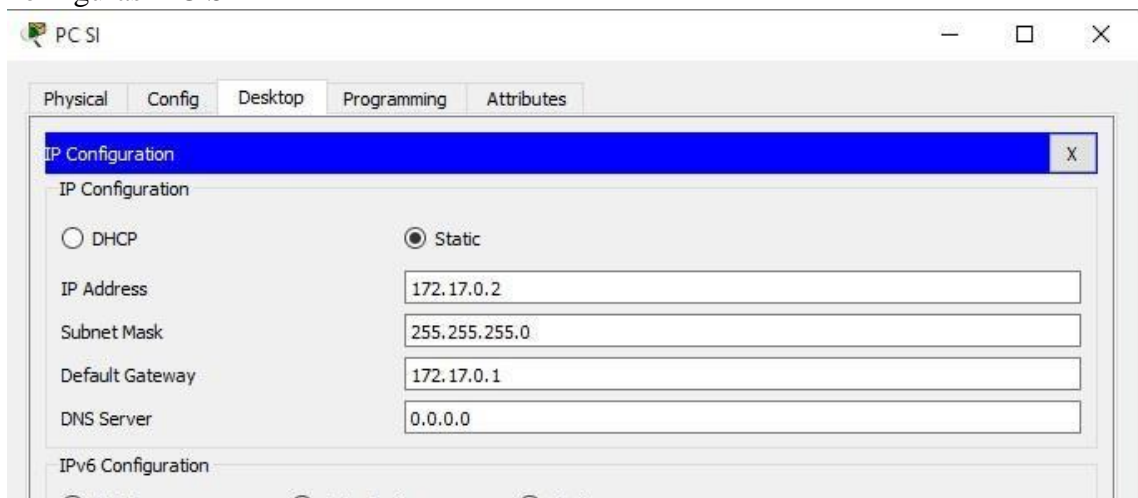
## 6. Konfigurasi PC Jarkom



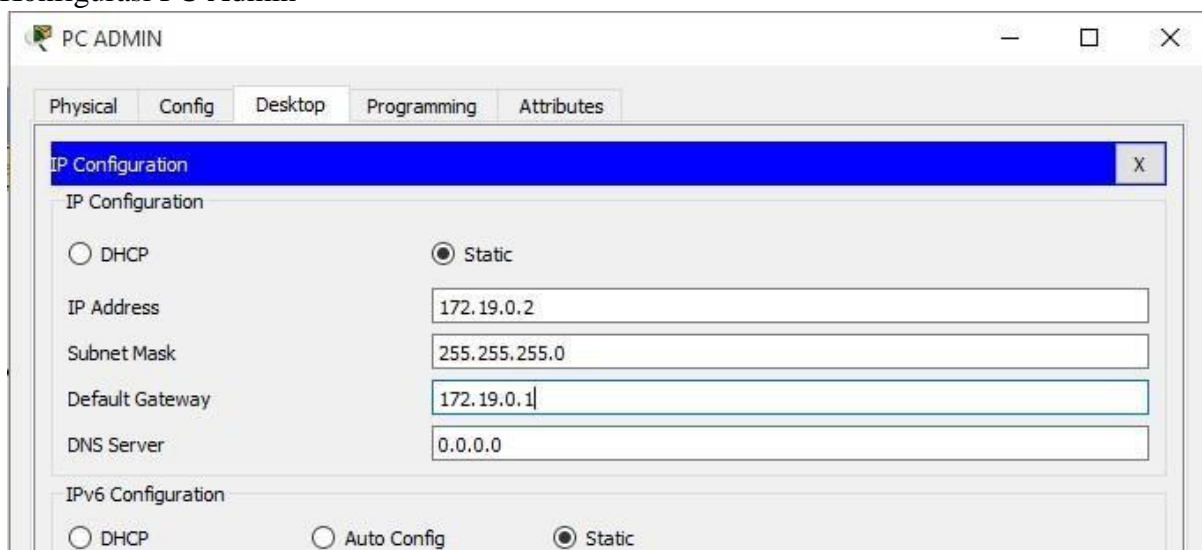
## 7. Konfigurasi PC RPL



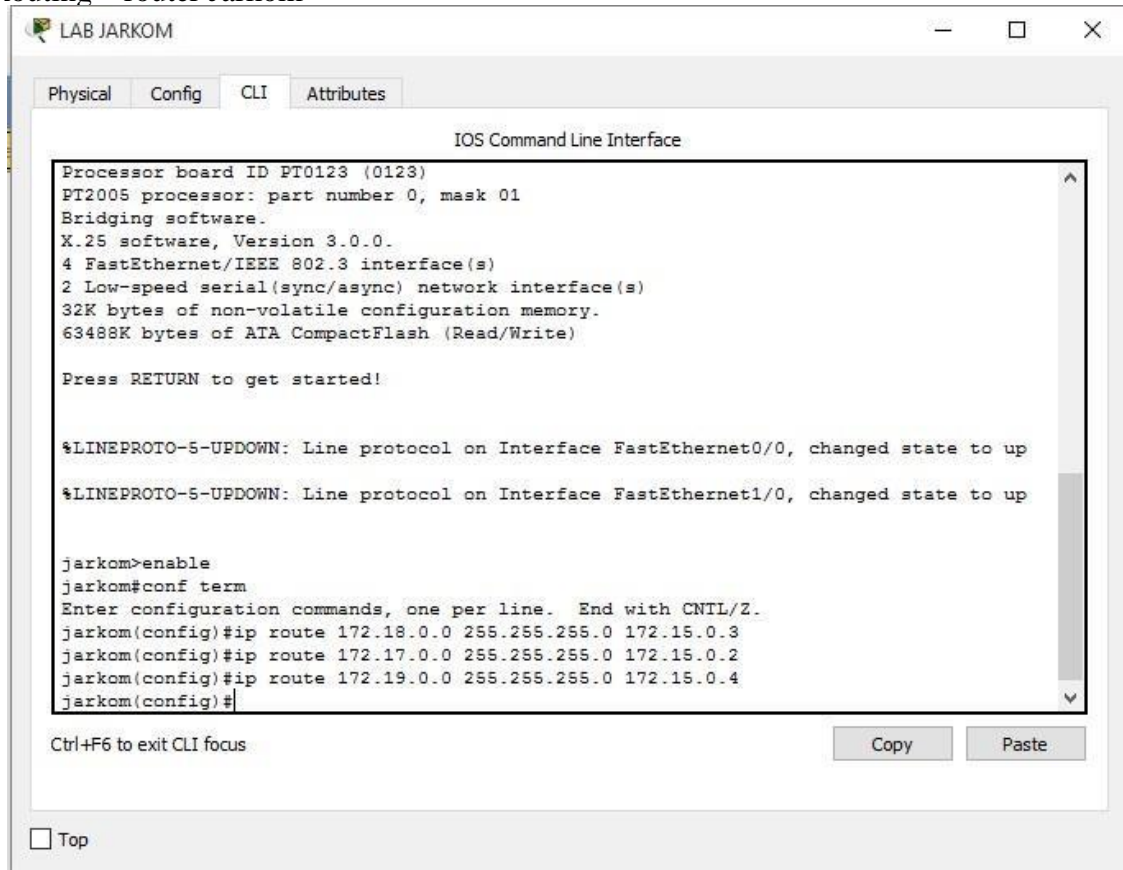
## 8. Konfigurasi PC SI



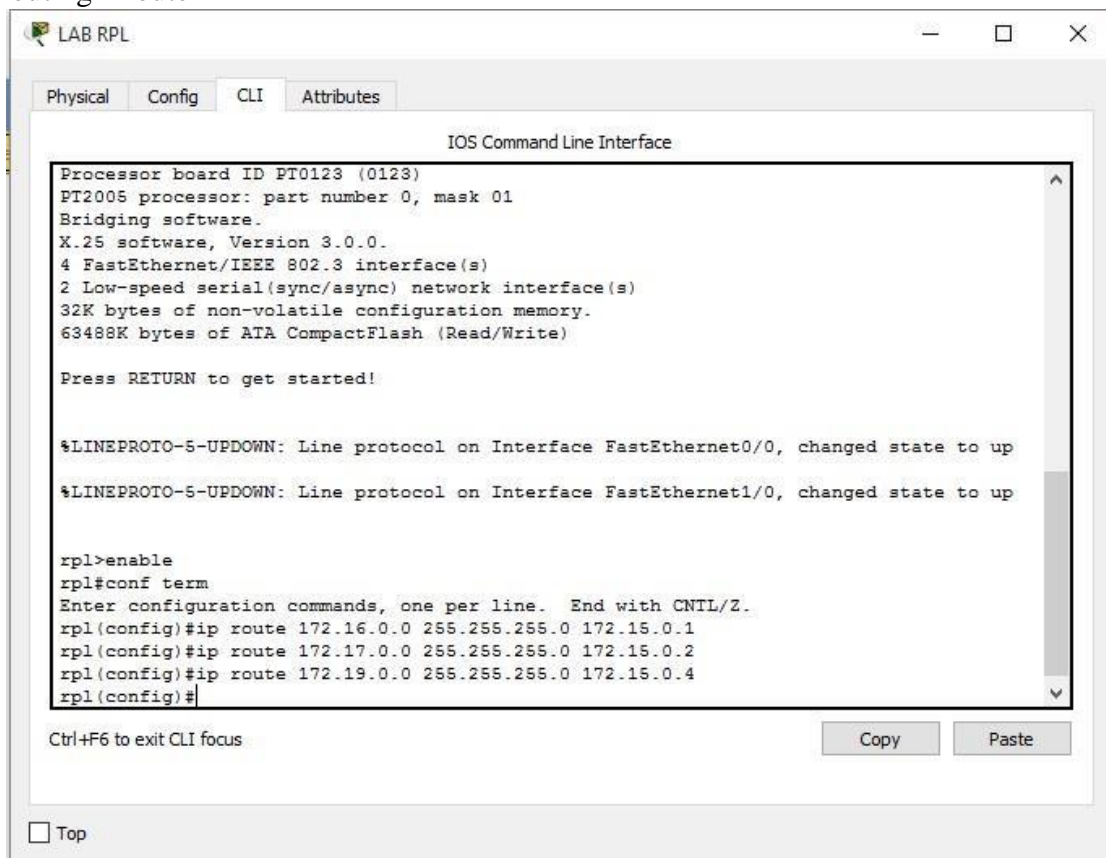
## 9. Konfigurasi PC Admin



## 10. Routing – router Jarkom

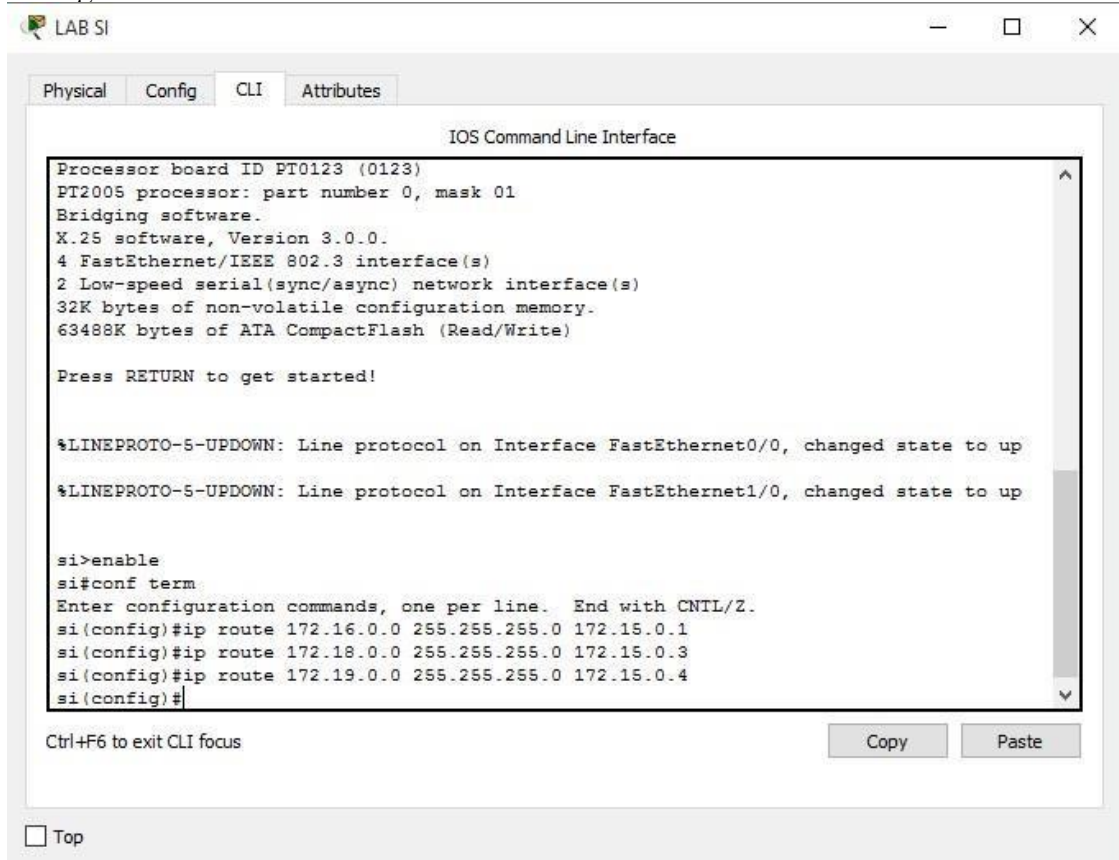


## 11. Routing – router RPL

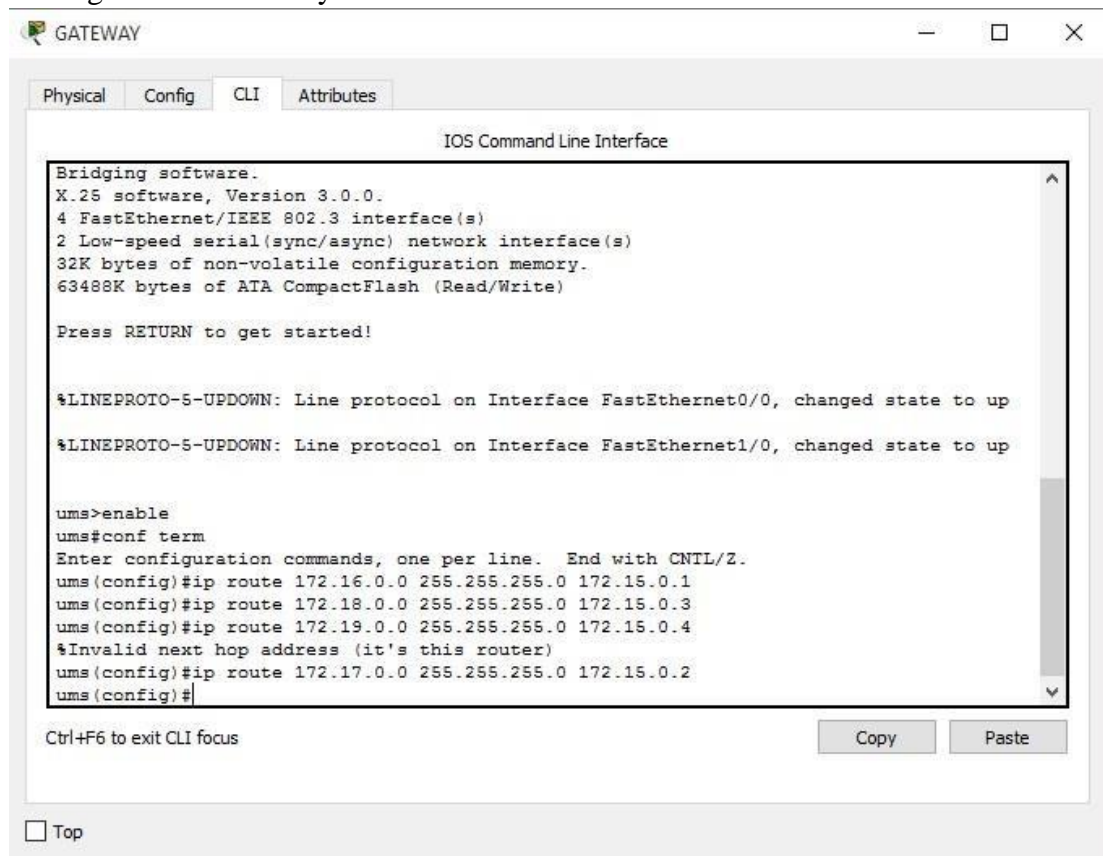




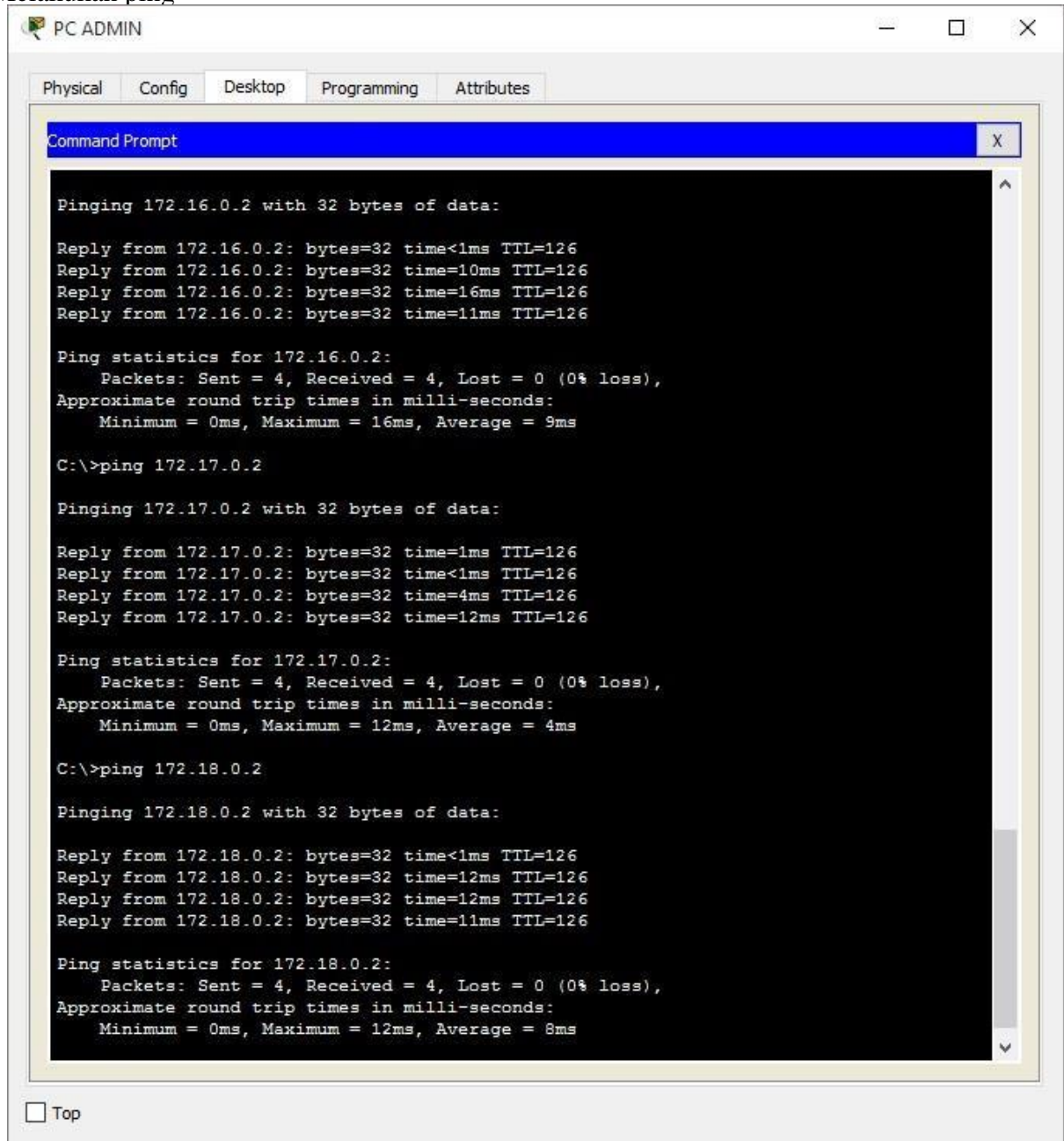
## 12. Routing – router SI



## 13. Routing – router Gateway

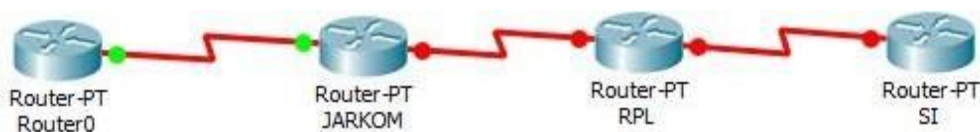


## 14. Melakukan ping

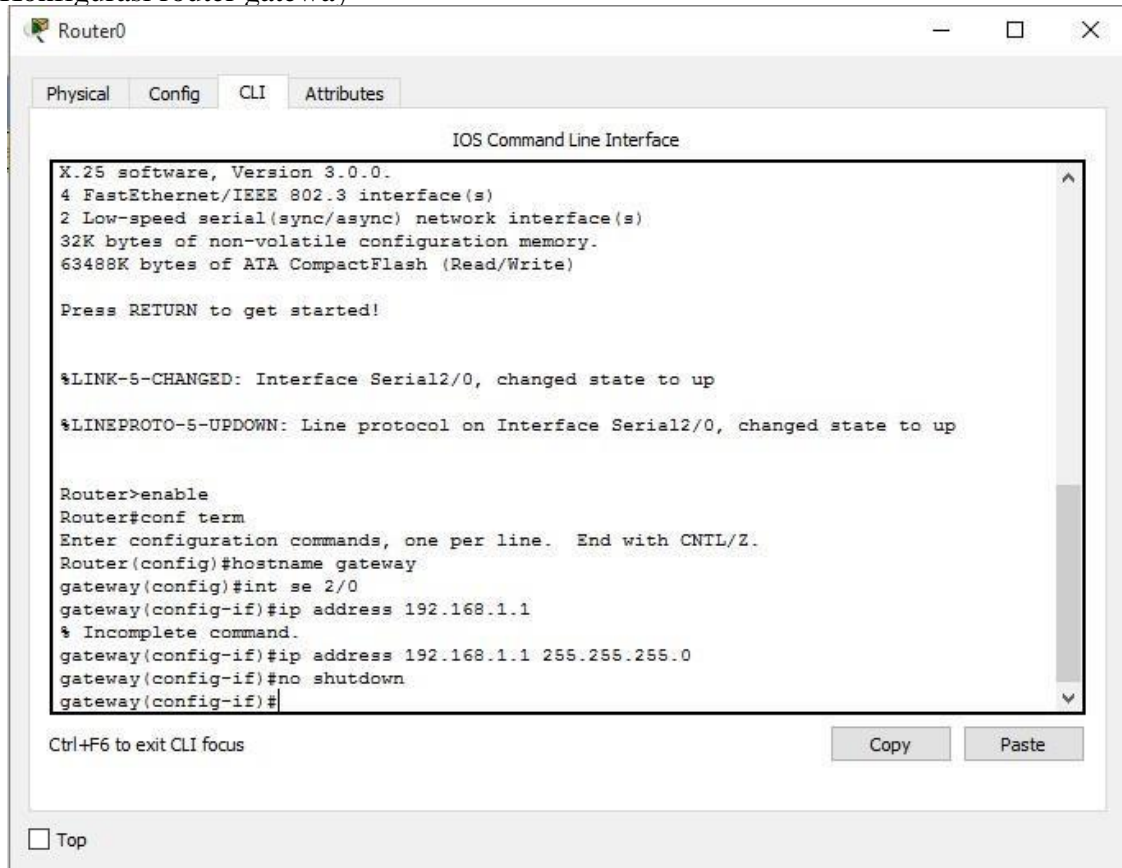


## NOMOR 2 – STATIC

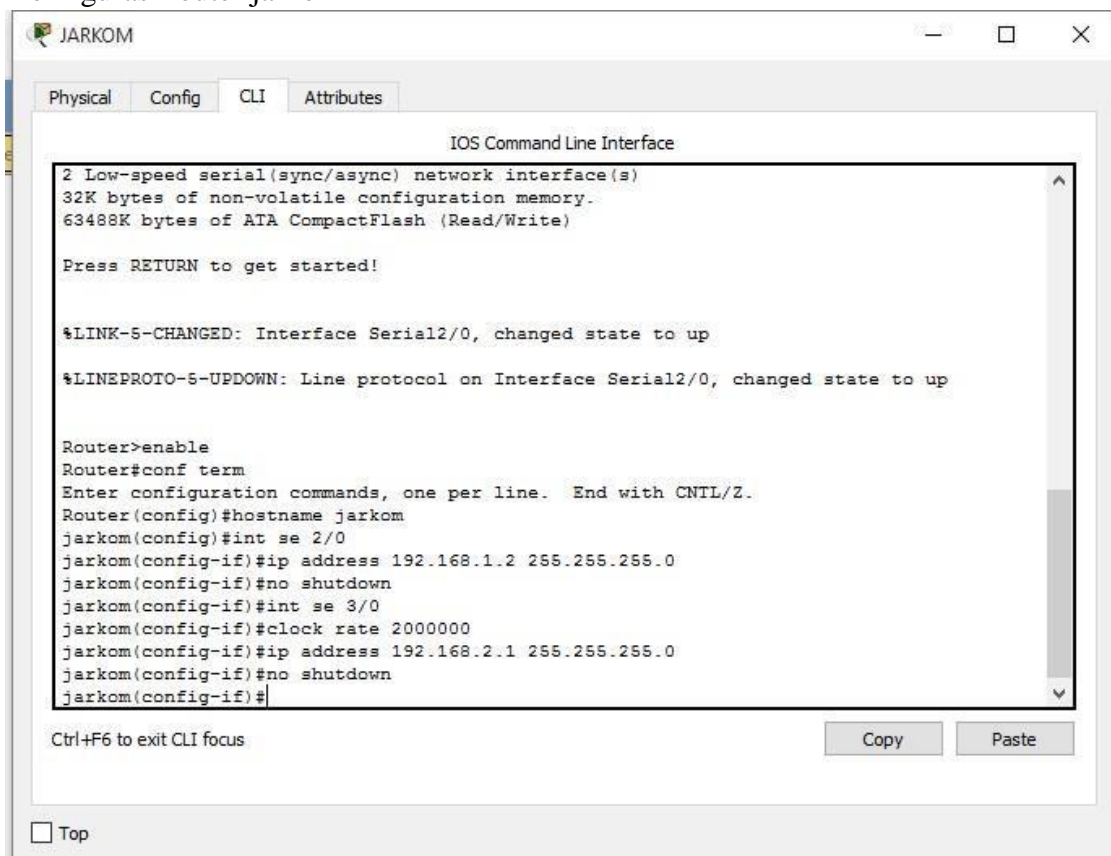
### 1. Desain jaringan



## 2. Konfigurasi router gateway

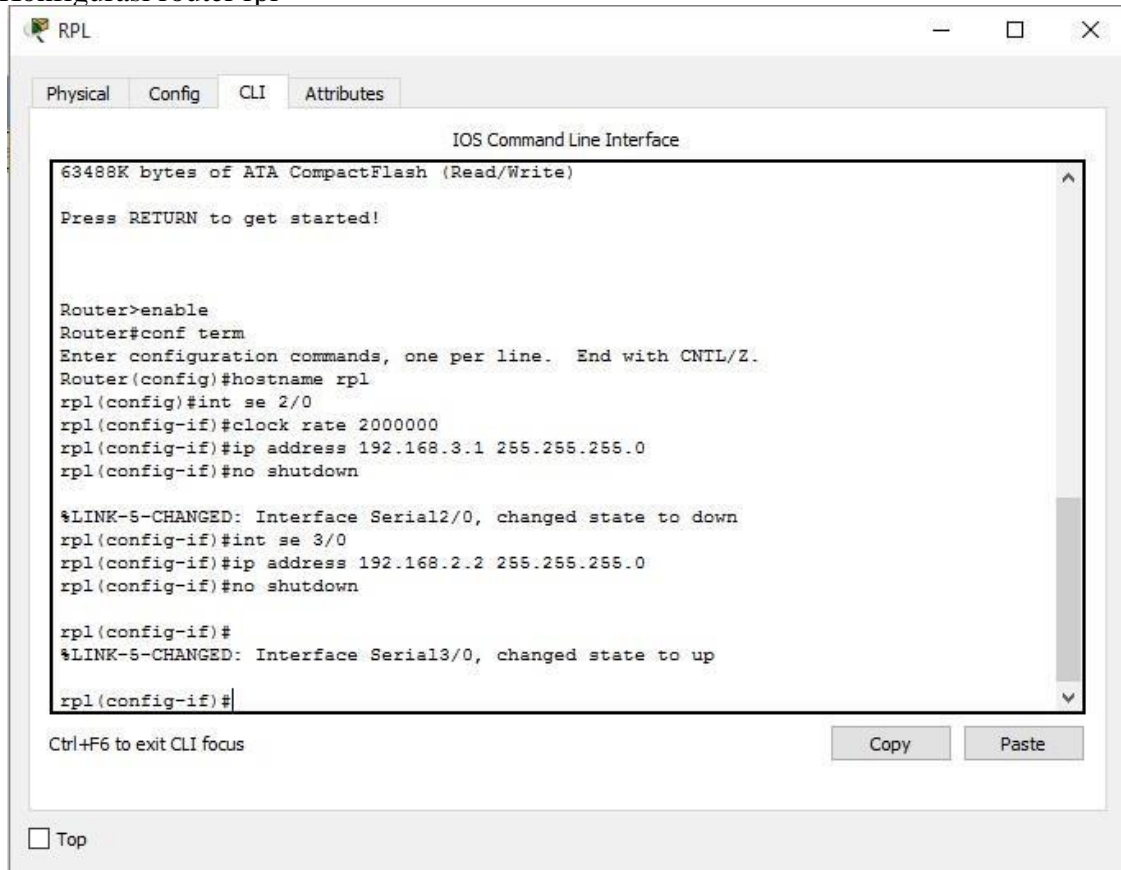


## 3. Konfigurasi router jarkom

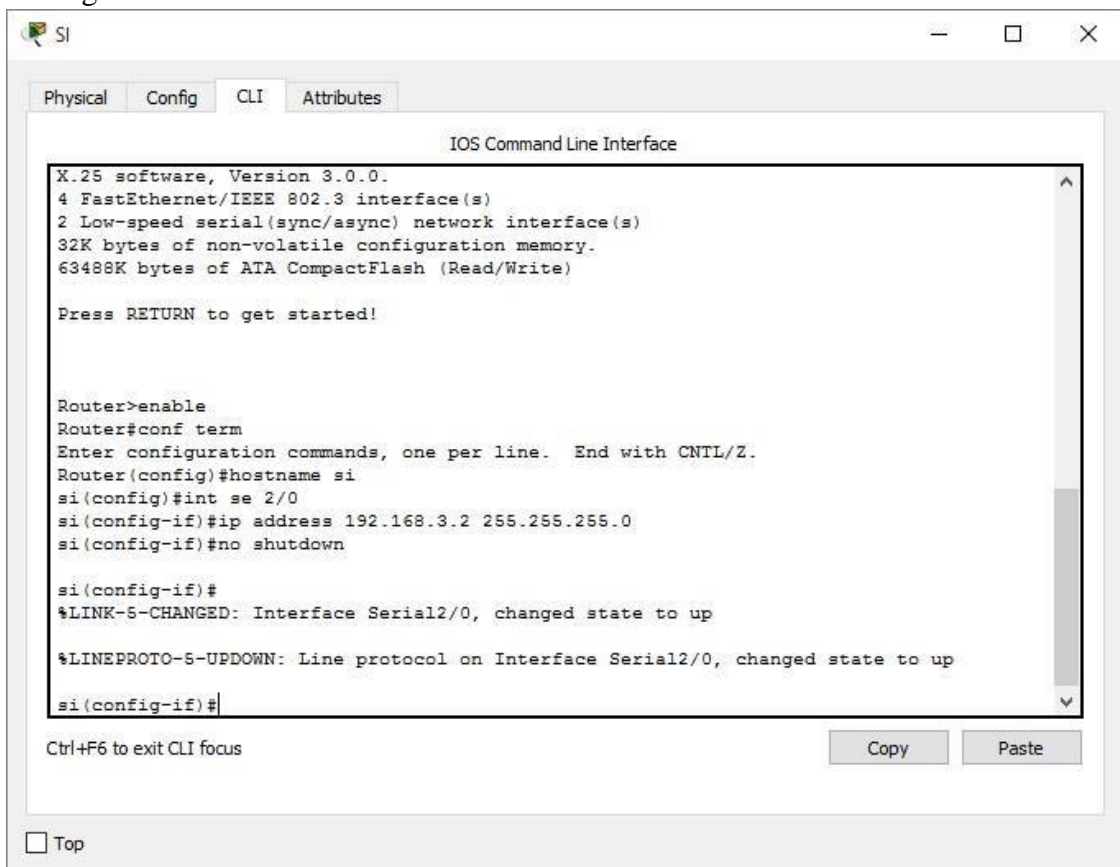




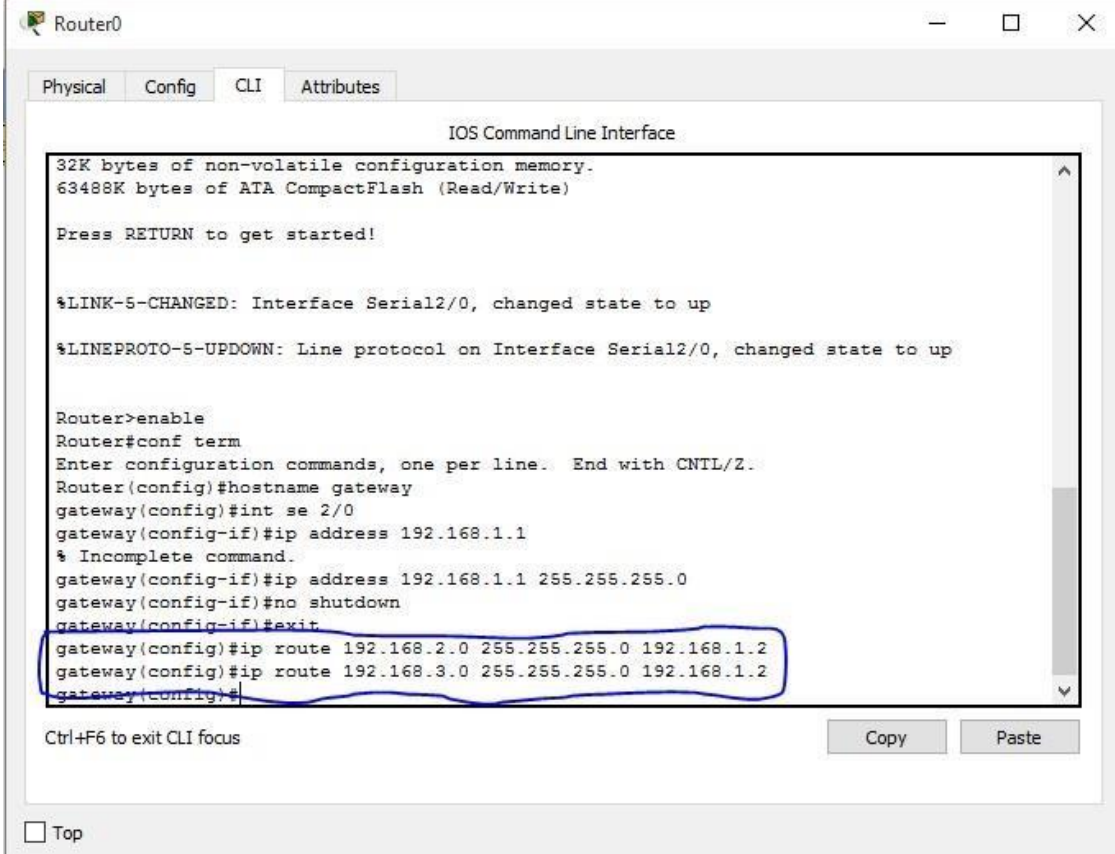
#### 4. Konfigurasi router rpl



#### 5. Konfigurasi router si



## 6. Routing – router gateway



The screenshot shows the CLI of Router0. The interface has tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The output shows the router's memory status and a prompt to press RETURN to get started. Subsequent messages indicate that Interface Serial2/0 has changed state to up and Line protocol on Interface Serial2/0 has changed state to up. The user enters the command 'enable' to enter privileged EXEC mode, followed by 'conf term' to enter global configuration mode. The user then sets the hostname to 'gateway'. The user enters 'int se 2/0' to select the interface, followed by 'ip address 192.168.1.1' and 'no shutdown' to configure the interface. The user then enters 'exit' to return to configuration mode. Finally, the user enters two 'ip route' commands: 'ip route 192.168.2.0 255.255.255.0 192.168.1.2' and 'ip route 192.168.3.0 255.255.255.0 192.168.1.2'. The last command is highlighted with a blue circle. The interface also shows a 'Ctrl+F6 to exit CLI focus' message and 'Copy' and 'Paste' buttons.

```
Router0
Physical Config CLI Attributes
IOS Command Line Interface
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

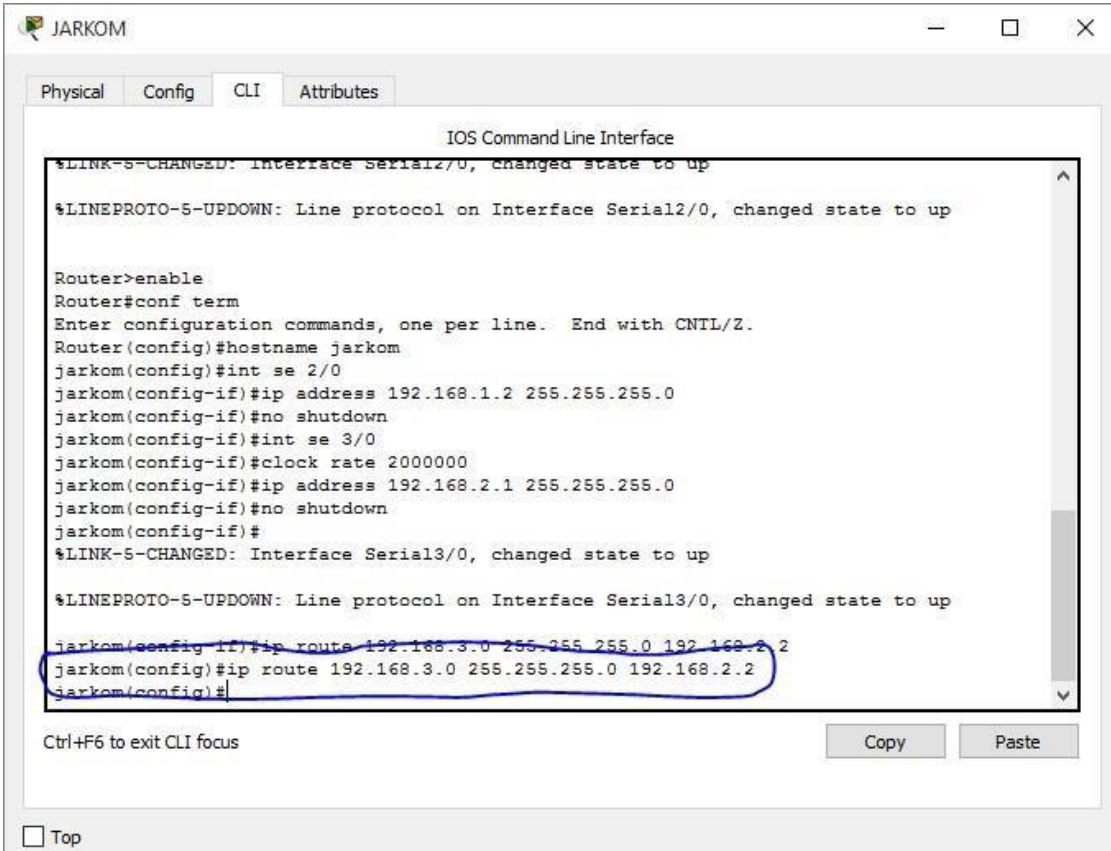
Press RETURN to get started!

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

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname gateway
gateway(config)#int se 2/0
gateway(config-if)#ip address 192.168.1.1
% Incomplete command.
gateway(config-if)#ip address 192.168.1.1 255.255.255.0
gateway(config-if)#no shutdown
gateway(config-if)#exit
gateway(config)#ip route 192.168.2.0 255.255.255.0 192.168.1.2
gateway(config)#ip route 192.168.3.0 255.255.255.0 192.168.1.2
gateway(config)#

Ctrl+F6 to exit CLI focus
```

## 7. Routing – router jarkom



The screenshot shows the CLI of JARKOM. The interface has tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The output shows the router's memory status and a prompt to press RETURN to get started. Subsequent messages indicate that Interface Serial2/0 has changed state to up and Line protocol on Interface Serial2/0 has changed state to up. The user enters the command 'enable' to enter privileged EXEC mode, followed by 'conf term' to enter global configuration mode. The user then sets the hostname to 'jarkom'. The user enters 'int se 2/0' to select the interface, followed by 'ip address 192.168.1.2 255.255.255.0' and 'no shutdown' to configure the interface. The user then enters 'int se 3/0' to select the interface, followed by 'clock rate 2000000' and 'ip address 192.168.2.1 255.255.255.0' to configure the interface. The user then enters 'no shutdown' to enable the interface. The user then enters 'exit' to return to configuration mode. Finally, the user enters two 'ip route' commands: 'ip route 192.168.3.0 255.255.255.0 192.168.2.2' and 'ip route 192.168.3.0 255.255.255.0 192.168.2.2'. The last command is highlighted with a blue circle. The interface also shows a 'Ctrl+F6 to exit CLI focus' message and 'Copy' and 'Paste' buttons.

```
JARKOM
Physical Config CLI Attributes
IOS Command Line Interface
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname jarkom
jarkom(config)#int se 2/0
jarkom(config-if)#ip address 192.168.1.2 255.255.255.0
jarkom(config-if)#no shutdown
jarkom(config-if)#int se 3/0
jarkom(config-if)#clock rate 2000000
jarkom(config-if)#ip address 192.168.2.1 255.255.255.0
jarkom(config-if)#no shutdown
jarkom(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

jarkom(config-if)#ip route 192.168.3.0 255.255.255.0 192.168.2.2
jarkom(config)#ip route 192.168.3.0 255.255.255.0 192.168.2.2
jarkom(config)#

Ctrl+F6 to exit CLI focus
```

## 8. Routing – router rpl

The screenshot shows the RPL router CLI interface with the following commands and output:

```
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
```

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

## 9. Routing – router si

The screenshot shows the SI router CLI interface with the following commands and output:

```
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

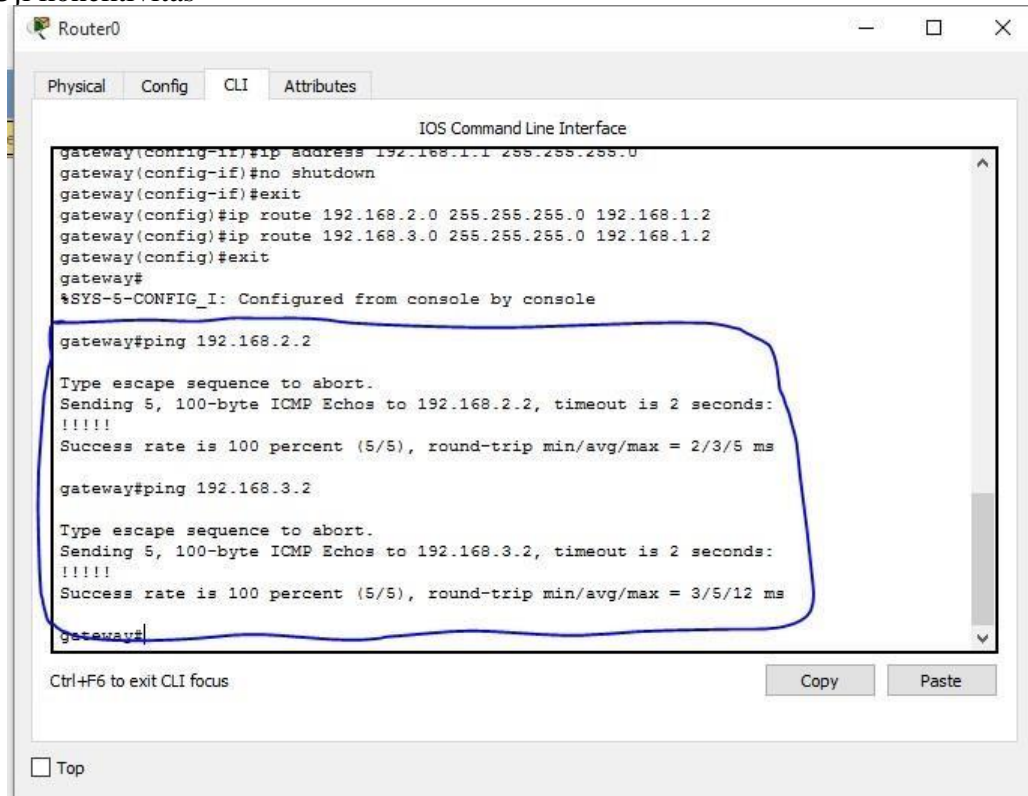
si(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%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
```

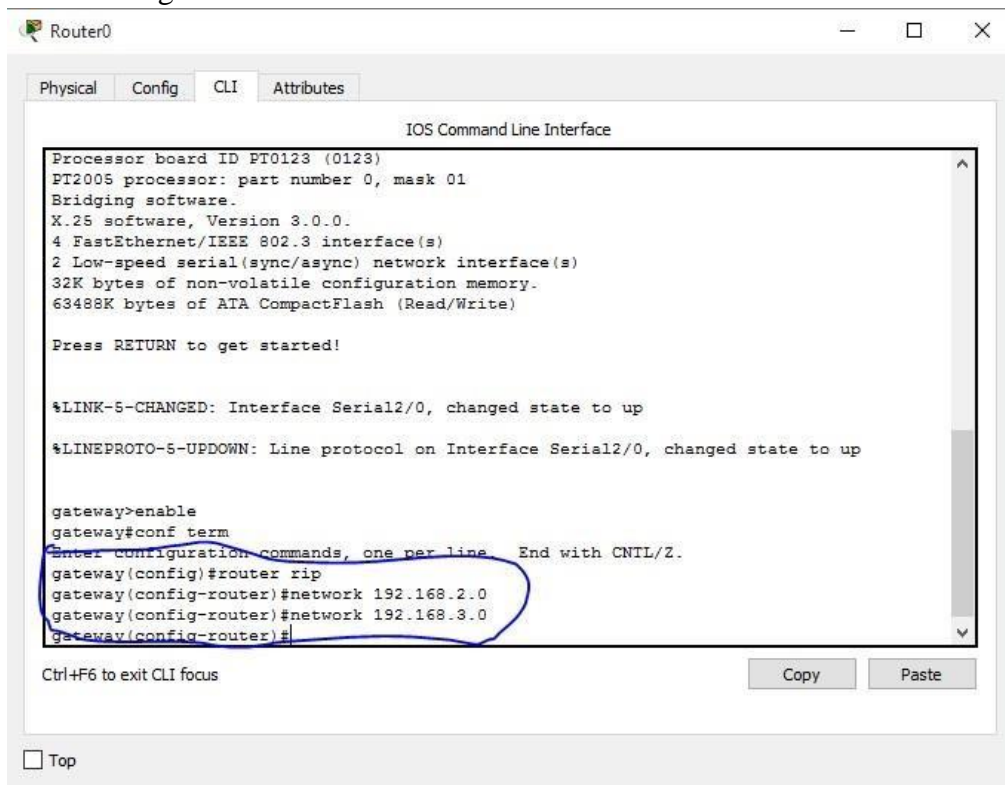
Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" message and "Copy" and "Paste" buttons. At the bottom left, there is a "Top" button.

## 10. Uji konektivitas



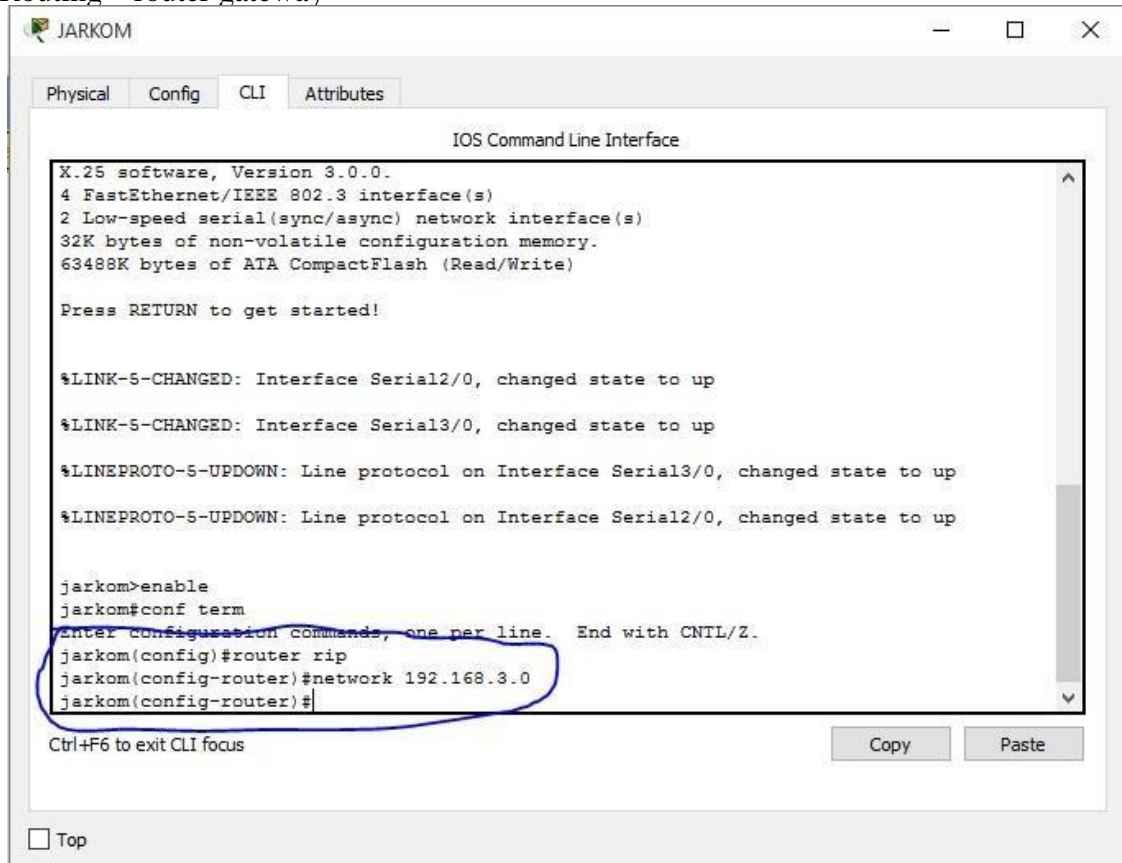
## NOMOR 2 – DINAMIS (RIP)

### 1. Desain Jaringan

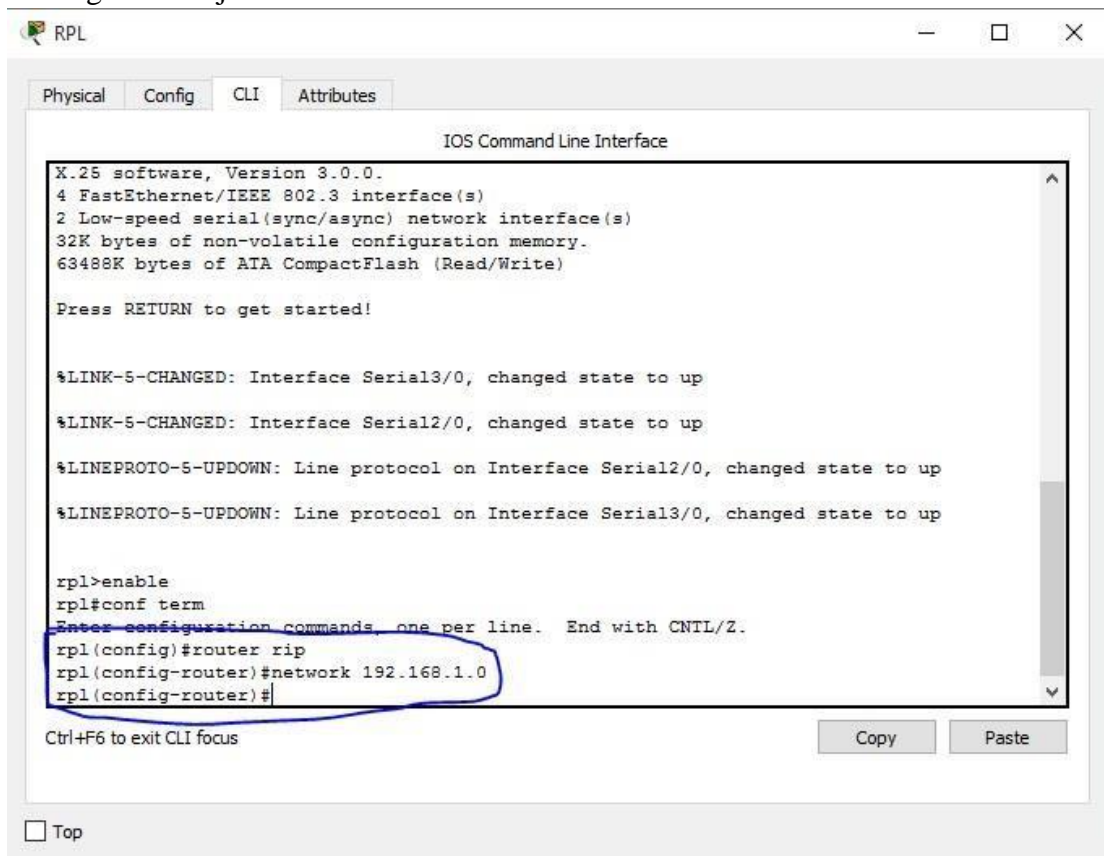




## 2. Routing – router gateway

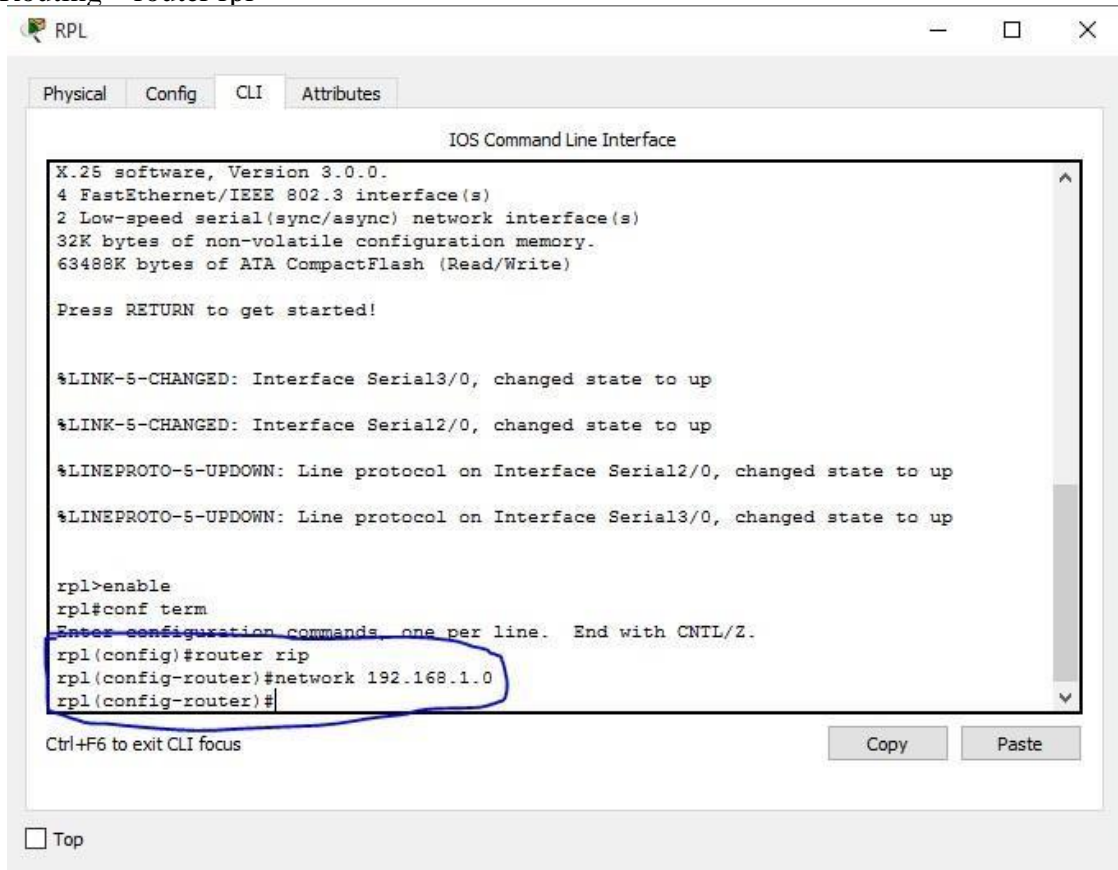


## 3. Routing – router jarkom

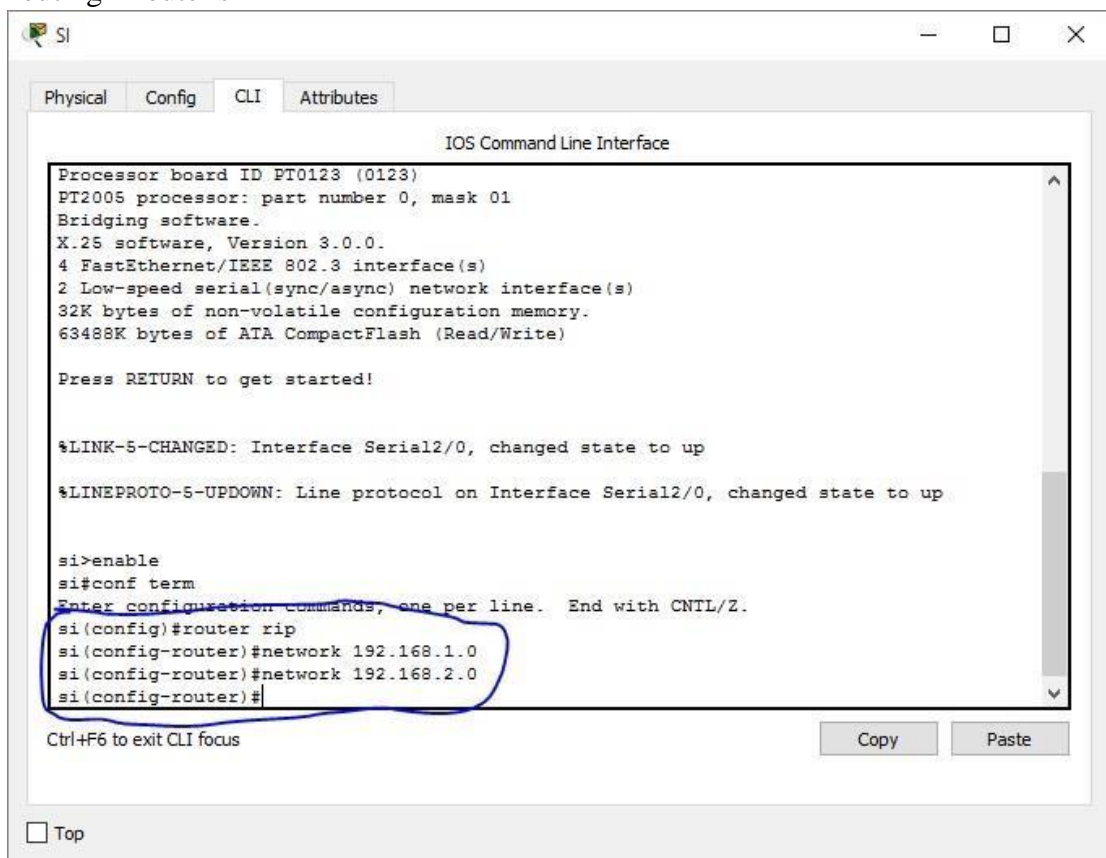




#### 4. Routing – router rpl



#### 5. Routing – router si



## 6. Uji konektivitas

