NAMA   : NOVI TRISTANTI

NIM   : L200170167

KELAS   : D

1.
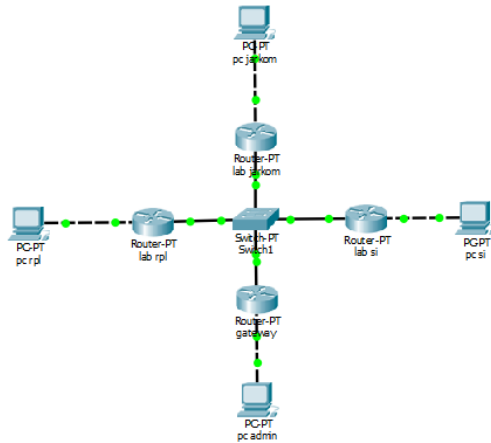
2. Konfigurasi semua router

Router 1


```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname jarkom
jarkom(config)#int fa0/0
jarkom(config-if)#ip address 172.162.0.1 255.255.255.0
jarkom(config-if)#no shut

jarkom(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

jarkom(config-if)#ex
jarkom(config)#int fa0/1
%Invalid interface type and number
jarkom(config)#int fa1/0
jarkom(config-if)#ip address 172.15.0.1 255.255.255.0
jarkom(config-if)#no shut

jarkom(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
ex
jarkom(config)#
```

Router 2


```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname SistemInformasi
SistemInformasi(config)#int fa0/0
SistemInformasi(config-if)#ip address 172.17.0.1 255.255.255.0
SistemInformasi(config-if)#no shut

SistemInformasi(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

SistemInformasi(config-if)#ex
SistemInformasi(config)#int fa1/0
SistemInformasi(config-if)#ip address 172.15.0.2 255.255.255.0
SistemInformasi(config-if)#no shut

SistemInformasi(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

SistemInformasi(config-if)#ex
SistemInformasi(config)#
```

Router 3   Router 4

```
lab rpl
Physical  Config  CLI  Attributes
                  IOS Command Line Interface

Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname RPL
RPL(config)#int fa0/0
RPL(config-if)#ip address 172.18.0.1 255.255.255.0
RPL(config-if)#no shut

RPL(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

RPL(config-if)#ex
RPL(config)#int fa1/0
RPL(config-if)#ip address 172.15.0.3 255.255.255.0
RPL(config-if)#no shut

RPL(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

RPL(config-if)#ex
RPL(config)#

Ctrl+F6 to exit CLI focus                    Copy    Paste

☐ Top
```
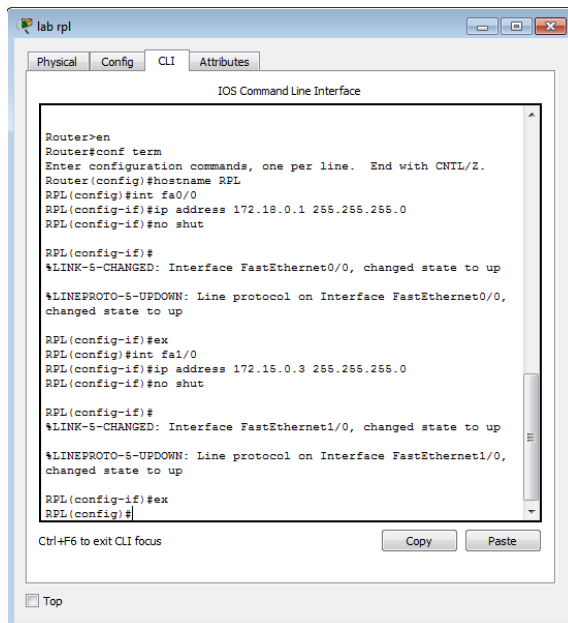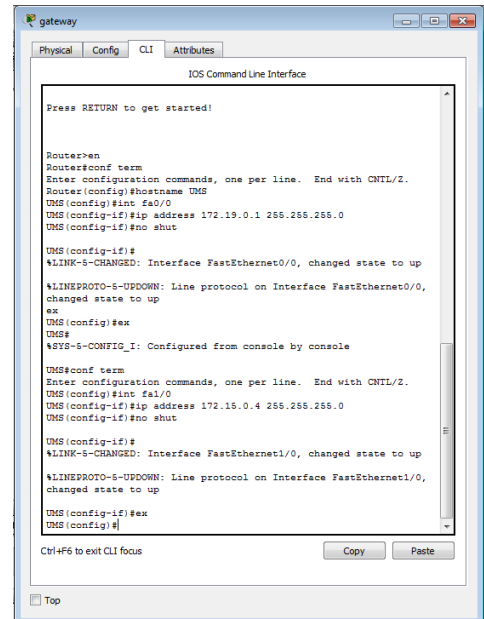
```
gateway
Physical  Config  CLI  Attributes
                  IOS Command Line Interface

Press RETURN to get started!

Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname UMS
UMS(config)#int fa0/0
UMS(config-if)#ip address 172.19.0.1 255.255.255.0
UMS(config-if)#no shut

UMS(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
ex
UMS(config)#ex
UMS#
%SYS-5-CONFIG_I: Configured from console by console

UMS#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
UMS(config)#int fa1/0
UMS(config-if)#ip address 172.15.0.4 255.255.255.0
UMS(config-if)#no shut

UMS(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

UMS(config-if)#ex
UMS(config)#

Ctrl+F6 to exit CLI focus                    Copy    Paste

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```

3. Konfigurasi routing table

Router 1

```
jarkom>en
jarkom#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
jarkom(config)#router rip
jarkom(config-router)#network 172.15.0.0
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 172.19.0.0
jarkom(config-router)#
```

Router 2

```
SistemInformasi(config-if)#ex
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)#ex
```

Router 3

```
RPL(config-if)#ex
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)#ex
```

Router 4

```
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
UMS(config-router)#ex
```

4. Konfigurasi alamat IP
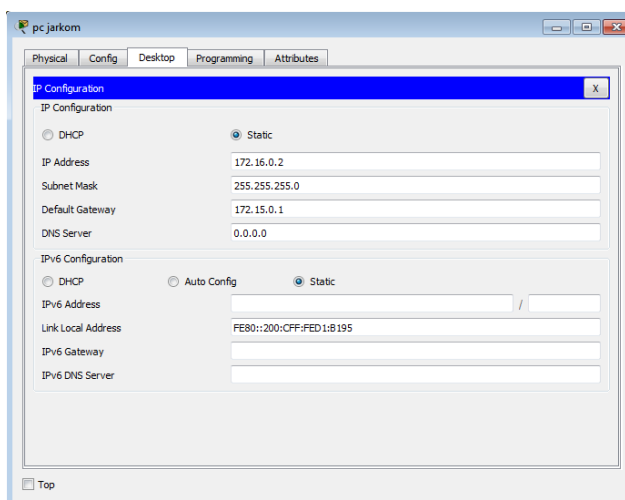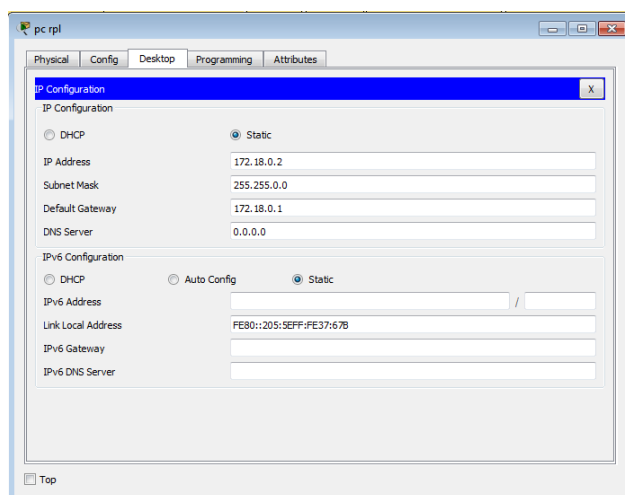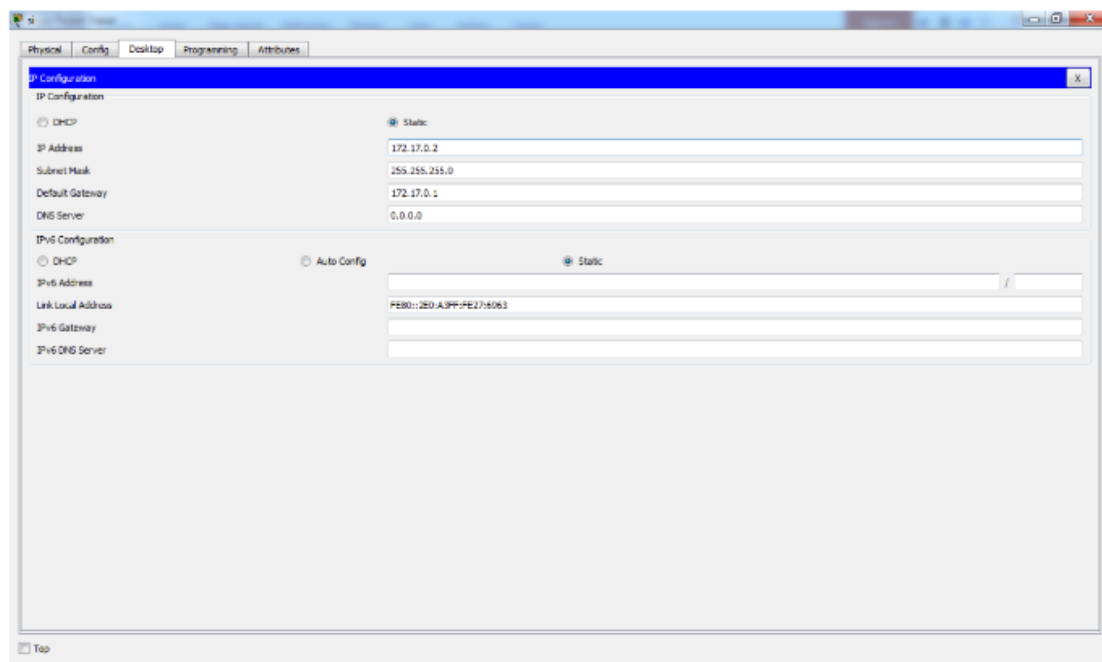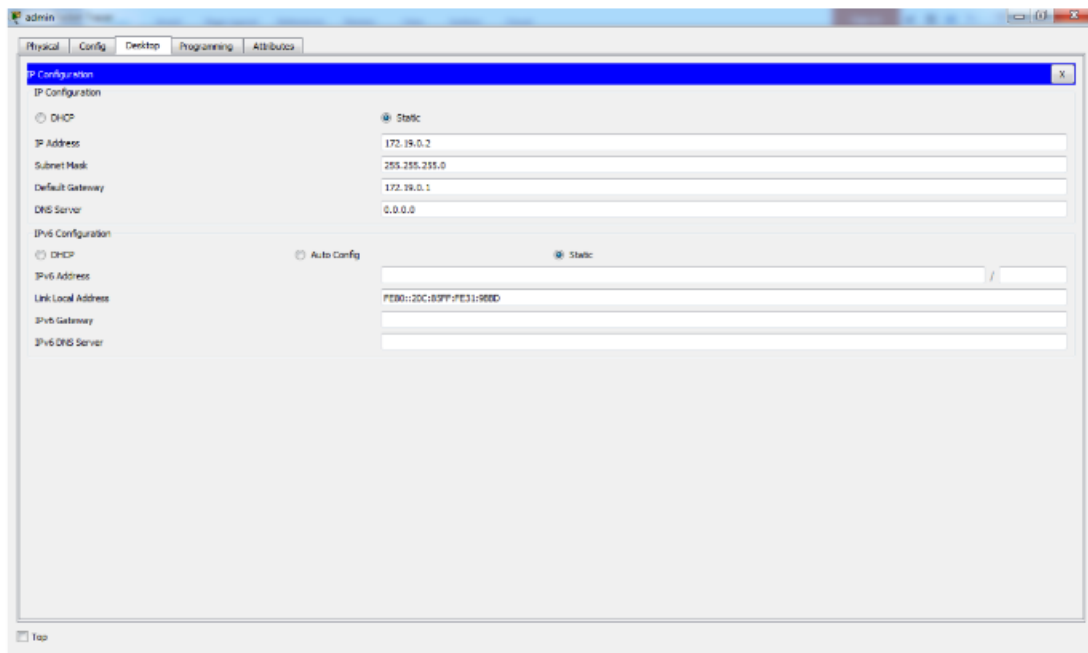
5. Pengecekan

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Nu
	Successful	admin	si	ICMP		0.000	N	0
	Successful	admin	jarkom	ICMP		0.000	N	1
	Successful	admin	pc rpl	ICMP		0.000	N	2