NAMA: SRI HAJIATI

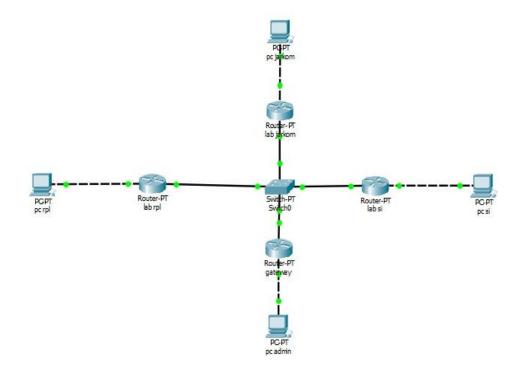
NIM: L200170103

KELAS: C

MODUL 11

Kegiatan

1. Topologi



2. konfigurasi router jarkom

```
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 172.16.0.1 255.255.255.255
Bad mask /32 for address 172.16.0.1
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 0/1
%Invalid interface type and number
Router(config)#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
Router(config-if) #exit
Router(config) #hostname jarkom
jarkom(config)#
```

3. konfigurasi router RPI

```
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #hostname rpl
rpl(config)#int fa 0/0
rpl(config-if) #ip address 172.18.0.1 255.255.255.0
rpl(config-if) #no shutdown
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) #int fa 1/0
rpl(config-if) #ip address 172.15.0.3 255.255.255.0
rpl(config-if) #no shutdown
rpl(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
rpl(config-if)#
```

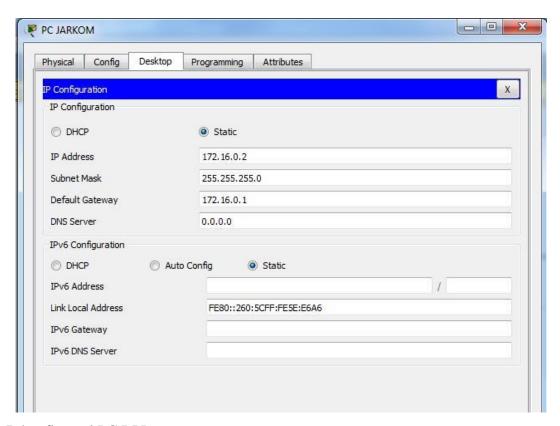
4. konfigurasi router SI

```
si(config) #int fa 0/0
   si(config-if)#ip address 172.17.0.1 255.255.255.0
   si(config-if) #no shutdown
  si(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
  si(config-if) #int fa 1/0
  si(config-if) #ip address 172.15.0.2 255.255.255.0
  si(config-if) #no shutdown
  si(config-if)#
  %LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
  si(config-if)#
  Ctrl+F6 to exit CLI focus
                                                                               Paste
                                                                   Сору
Тор
```

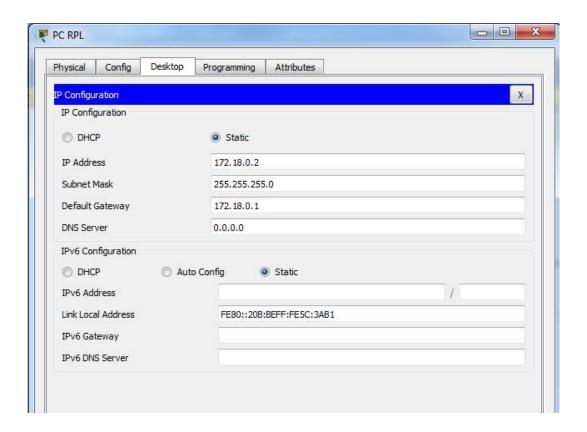
5. konfigurasi router gateway

```
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #hostname ums
ums(config) #int fa 0/0
ums(config-if) #ip address 172.19.0.1 255.255.255.0
ums (config-if) #no shutdown
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
ums(config-if)#int fa 1/0
ums(config-if)#ip address 172.15.0.4 255.255.255.0
ums(config-if) #no shutdown
ums (config-if) #
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
ums(config-if)#
```

6. konfigurasi PC jarkom



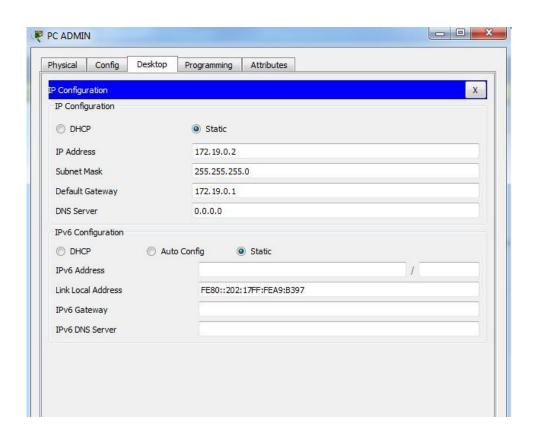
7. konfigurasi PC RPL



8. konfigurasi PC SI

```
si(config) #int fa 0/0
  si(config-if) #ip address 172.17.0.1 255.255.255.0
  si(config-if)#no shutdown
  si(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
  si(config-if) #int fa 1/0
  si(config-if) #ip address 172.15.0.2 255.255.255.0
  si(config-if) #no shutdown
  si(config-if)#
  %LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
  si(config-if)#
 Ctrl+F6 to exit CLI focus
                                                                               Paste
                                                                   Сору
Тор
```

9. konfigurasi PC gateway



10. melakukan perautingan

```
Router(config-if) #exit
Router(config) #hostname jarkom
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)#
si(config-if) #exit
si(config) #router rip
si(config-router) #network 172.15.0.0
si(config-router) #network 172.16.0.0
si(config-router) #network 172.17.0.0
si(config-router) #network 172.18.0.0
si(config-router) #network 172.19.0.0
si(config-router)#
rpl(config-if) #exit
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)#
ums(config) #router rip
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) #
```

11. test koneksi

```
- - X
PC ADMIN
                   Desktop
  Physical Config
                            Programming
                                         Attributes
   Command Prompt
                                                                                    X
   Pinging 172.16.0.2 with 32 bytes of data:
   Reply from 172.16.0.2: bytes=32 time=1ms TTL=126
   Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
   Ping statistics for 172.16.0.2:
       Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
   C:\>ping 172.17.0.2
   Pinging 172.17.0.2 with 32 bytes of data:
   Reply from 172.17.0.2: bytes=32 time=1ms TTL=126
   Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
   Ping statistics for 172.17.0.2:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
       Minimum = Oms, Maximum = 1ms, Average = Oms
   C:\>ping 172.18.0.2
   Pinging 172.18.0.2 with 32 bytes of data:
   Reply from 172.18.0.2: bytes=32 time=1ms TTL=126
   Reply from 172.18.0.2: bytes=32 time=1ms TTL=126
   Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
   Ping statistics for 172.18.0.2:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
       Minimum = Oms, Maximum = 1ms, Average = Oms
   C: \>
Тор
```