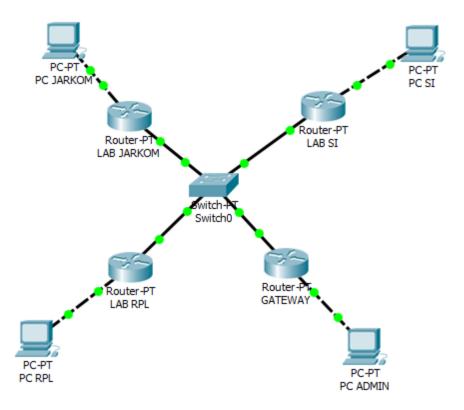
NAMA : PUJI NUGROHO NIM : L200170123

KELAS : C MODUL : 11

KEGIATAN

1. Desain Jaringan



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
%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 RPL

```
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)#
```

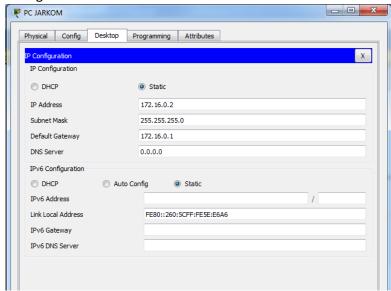
4. Konfigurasi router SI

```
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
                                                                   Copy
                                                                               Paste
Top
```

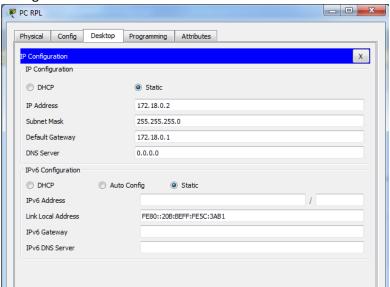
5. Konfigurasi router Gateway

```
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)#
```

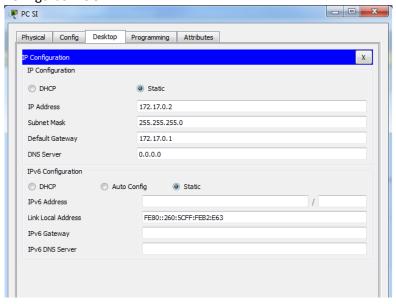
6. Konfigurasi PC



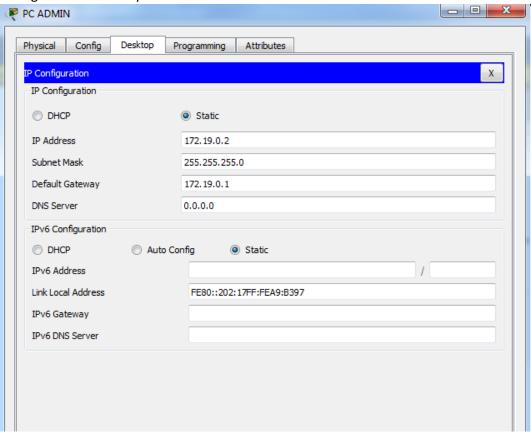
7. Konfigurasi PC RPL



8. Konfigurasi PC SI



9. Konfigurasi PC Gateway



10. Melakukan peroutingan

```
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. Melakukan cek koneksi

