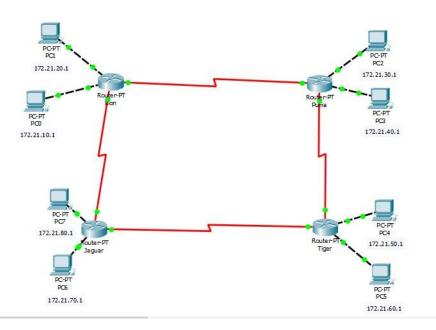
Nama: Irfananda Irsyad A NIM: L200180096

Kelas : C

Praktikum Jarkom Modul 7

1. Rancangan Jaringan



2. Melakukan konfigurasi ip router

a. Lion

```
Router>enable
Router$conf term
Enter configuration commands, one per line. End with CNTL/2.
Router(config) #int fa 0/0
Router(config) #int address 172.21.10.10 255.255.255.0
Router(config-if) #in shutdown
Router(config-if) #int fa 1/0
Router(config-if) #int shutdown
Router(config-if) #int shutdown
Router(config-if) #int se 2/0
Router(config-if) #int se 2/0
Router(config-if) #int se 2/0
Router(config-if) #int se 2/0
Router(config-if) #int se 3/0
```

b. Puma

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fs 0/0
Router(config)#int fs 0/0
Router(config-if)#ip address 172.21.30.30 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#ip address 172.21.40.40 255.255.255.0
Router(config-if)#ip address 172.21.40.40 255.255.255.0
Router(config-if)#int se 2/0
Router(config-if)#ip address 172.21.1.2 255.255.255.0
Router(config-if)#int se 3/0
Router(config-if)#oddress 172.21.31 255.255.255.0
Router(config-if)#ip address 172.21.31 255.255.255.0
Router(config-if)#ip address 172.21.31 255.255.255.0
Router(config-if)#ip address 172.21.31 255.255.255.0
```

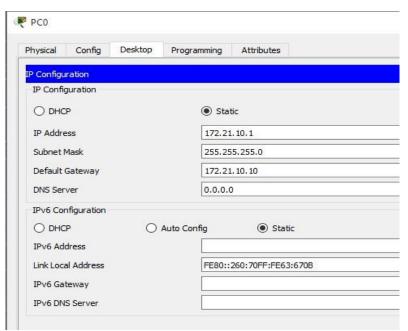
c. Tiger

```
Router/enable
Routerfconf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)*int fa 0/0
Router(config)*int fa 0/0
Router(config)*int fa 1/0
Router(config)*int os antdown
Router(config)*int os antdown
Router(config)*int os antdown
Router(config)*int se 2/0
Router(config)*int se 1/0
Router(config)*int se 1/0
Router(config)*int se 1/0
Router(config)*int se 1/0
Router(config)*int se 3/0
Router(config)*int se 3/0
Router(config)*int se 3/0
Router(config)*int se shutdown
Router(config)*int se shutdown
Router(config)*int se shutdown
```

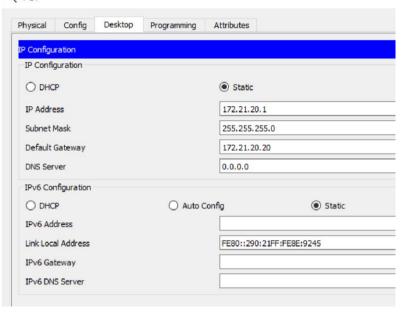
d. Jaguar

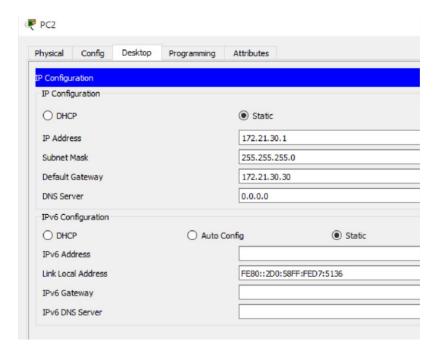
```
Router>enable
Router$conf term
Enter configuration commands, one per line. End with CNTL/2.
Router(config)*int fa 0/0
Router(config-if)*ip address 172.21.70.70 255.255.255.0
Router(config-if)*int fa 1/0
Router(config-if)*int fa 1/0
Router(config-if)*int fa 1/0
Router(config-if)*int shutdown
Router(config-if)*int shutdown
Router(config-if)*int se 2/0
Router(config-if)*int se 2/0
Router(config-if)*int se 2/0
Router(config-if)*int se 3/0
Router(config-if)*in shutdown
Router(config-if)*in shutdown
Router(config-if)*in shutdown
Router(config-if)*no shutdown
Router(config-if)*no shutdown
Router(config-if)*no shutdown
Router(config-if)*no shutdown
```

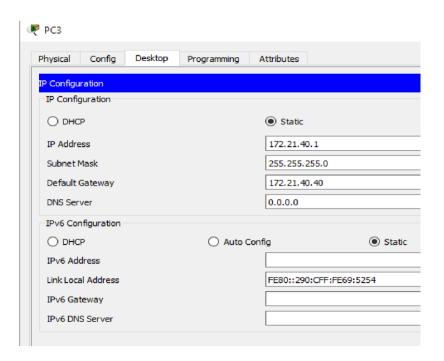
3. Konfigurasi pada PC

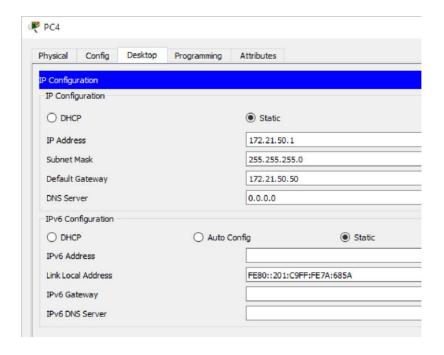


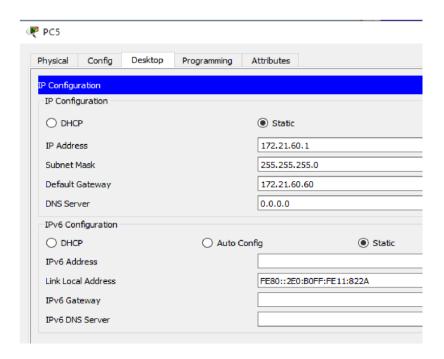


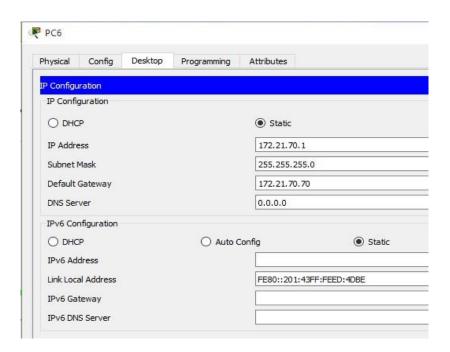


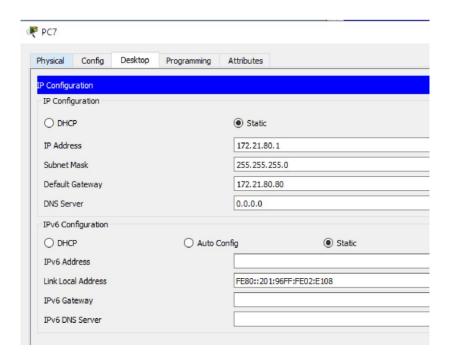












4. Melakukan cek koneksi dari PC 1 ke router Lion

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\ping 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1 bytes=32 time<\text{ims TTL=255}

Reply from 172.21.1.1: bytes=32 time<\text{ims TTL=255}

Ring statistics for 172.21.1.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms

C:\ping 172.21.2.1 with 32 bytes of data:

Reply from 172.21.2.1: bytes=32 time<\text{ims TTL=255}

Reply from 172.21.2.1: bytes=32
```

5. Melakukan routing

Lion

```
Router>enable
Routersconf term
Enter configuration commands, one per line. End with CNTL/2.
Enter configuration commands, one per line. End with CNTL/2.
Router(config) #ip route 172.21.30.0 255.255.255.0 172.21.1.2
Router(config) #ip route 172.21.40.0 255.255.255.0 172.21.1.2
Router(config) #ip route 172.21.50.0 255.255.255.0 172.21.1.2
Router(config) #ip route 172.21.60.0 255.255.255.0 172.21.1.2
Router(config) #ip route 172.21.70.0 255.255.255.0 172.21.1.2
Router(config) #ip route 172.21.80.0 255.255.255.0 172.21.1.2
Router(config) #
```

Puma

```
Router>enable
Routersconf term
Enter configuration commands, one per line. End with CNTL/2.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.3.2
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.3.2
Router(config)#ip route 172.21.70.0 255.255.255.255.0 172.21.3.2
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.2
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.2
```

• Tiger

```
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #ip route 172.21.10.0 255.255.255.0 172.21.4.2
Router(config) #ip route 172.21.20.0 255.255.255.0 172.21.4.2
Router(config) #ip route 172.21.30.0 255.255.255.0 172.21.3.1
Router(config) #ip route 172.21.40.0 285.255.255.0 172.21.3.1
Router(config) #ip route 172.21.70.0 255.255.255.0 172.21.3.1
Router(config) #ip route 172.21.70.0 255.255.255.0 172.21.4.2
Router(config) #ip route 172.21.80.0 255.255.255.0 172.21.4.2
```

Jaguar

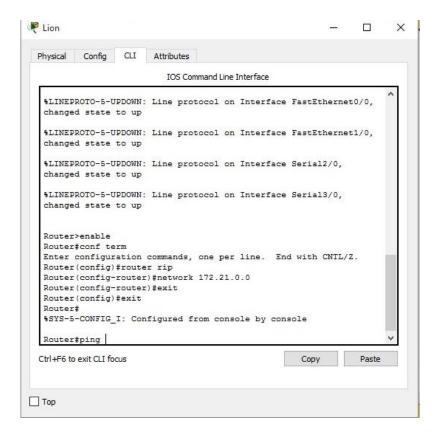
```
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.285.285.0 172.21.2.1
Router(config)#ip route 172.21.20.0 255.285.285.0 172.21.2.1
Router(config)#ip route 172.21.30.0 255.285.285.0 172.21.2.1
Router(config)#ip route 172.21.40.0 255.285.285.0 172.21.2.1
Router(config)#ip route 172.21.80.0 255.285.2 1.22.1.2.1
Router(config)#ip route 172.21.60.0 255.285.2 1.22.1.4.1
Router(config)#ip route 172.21.60.0 255.2 1.22.1.4.1
Router(config)#ip route 172.21.6.0.0 255.2 1.22.1.4.1
```

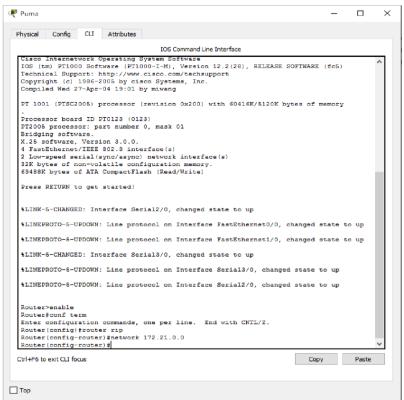
6. Melakukan dari PC 0 ke PC 4

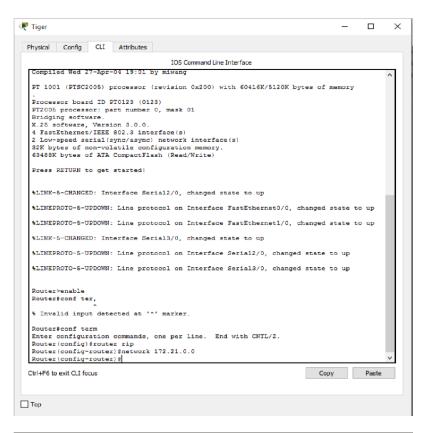
```
PC0
                                                                                                Physical
            Config
                     Desktop
                               Programming
                                             Attributes
   Command Prompt
                                                                                                    X
   Packet Tracer PC Command Line 1.0
   C:\>ping 172.21.50.1
   Pinging 172.21.50.1 with 32 bytes of data:
    Request timed out.
   Reply from 172.21.50.1: bytes=32 time=13ms TTL=125
   Reply from 172.21.50.1: bytes=32 time=5ms TTL=125
   Reply from 172.21.50.1: bytes=32 time=13ms TTL=125
   Ping statistics for 172.21.50.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss), Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 13ms, Average = 10ms
   C: \>
```

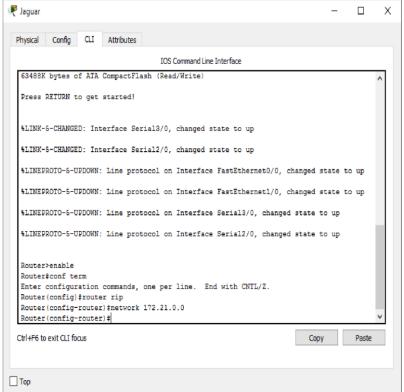
RIP

Melakukan konfigurasi ip dan routing









IGRP

Melakukan konfigurasi ip dan routing secara otomatis

