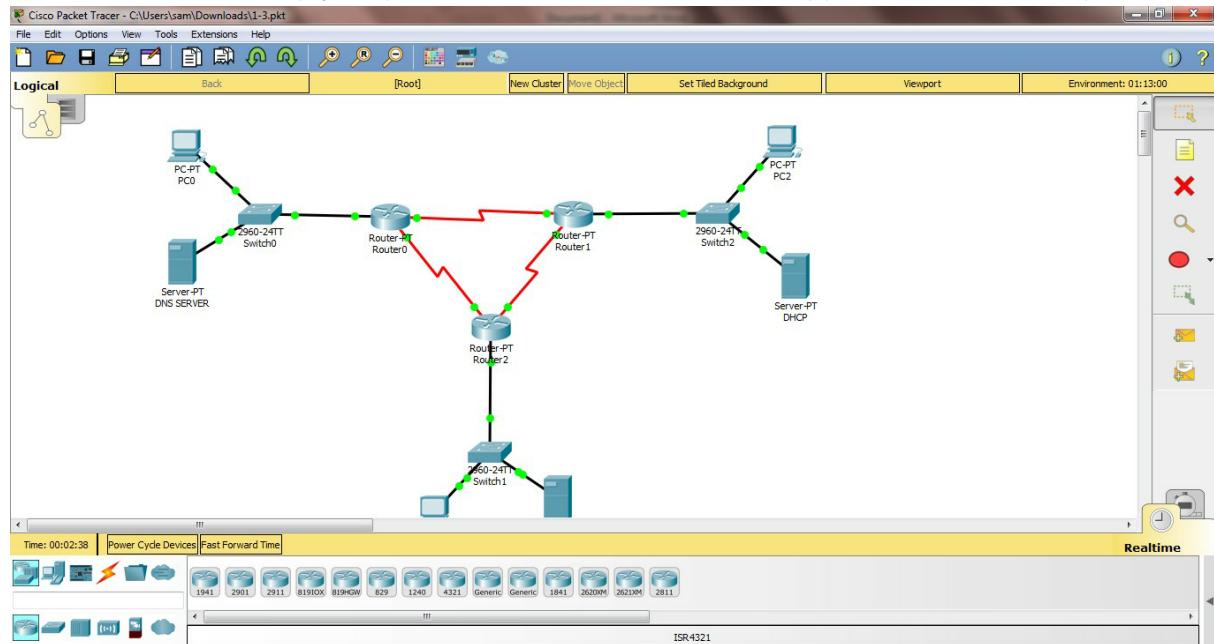


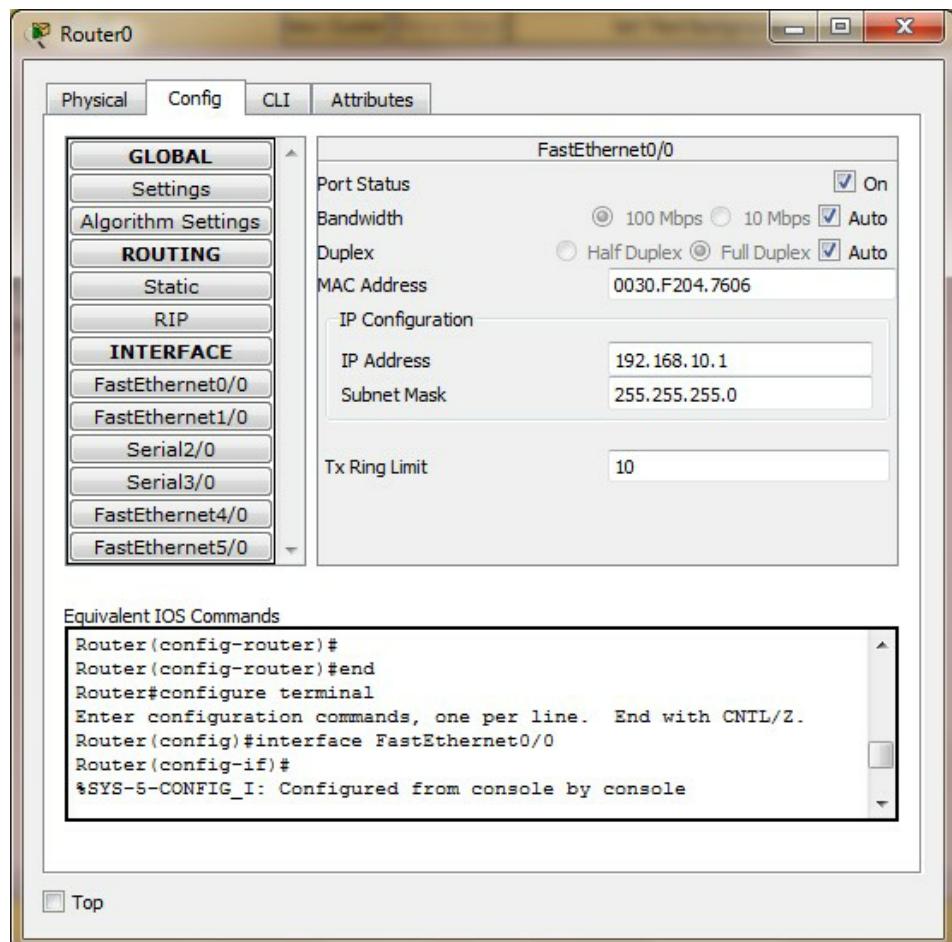
Nama : Risa Ayu Agustina  
NIM : L200170049  
Kelas : B

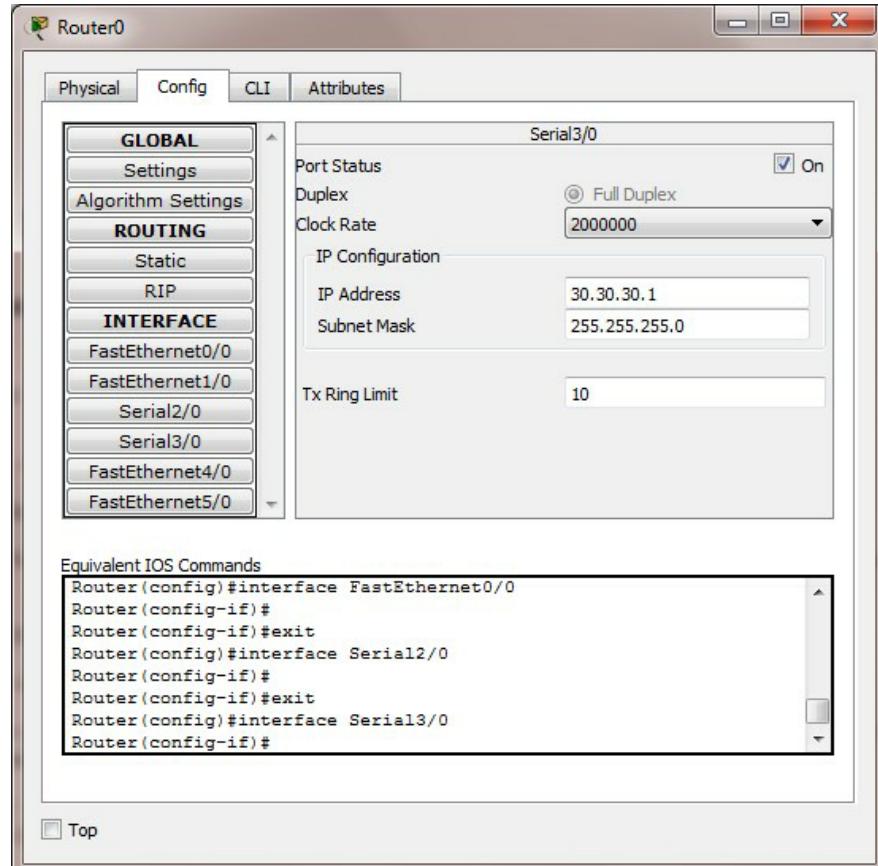
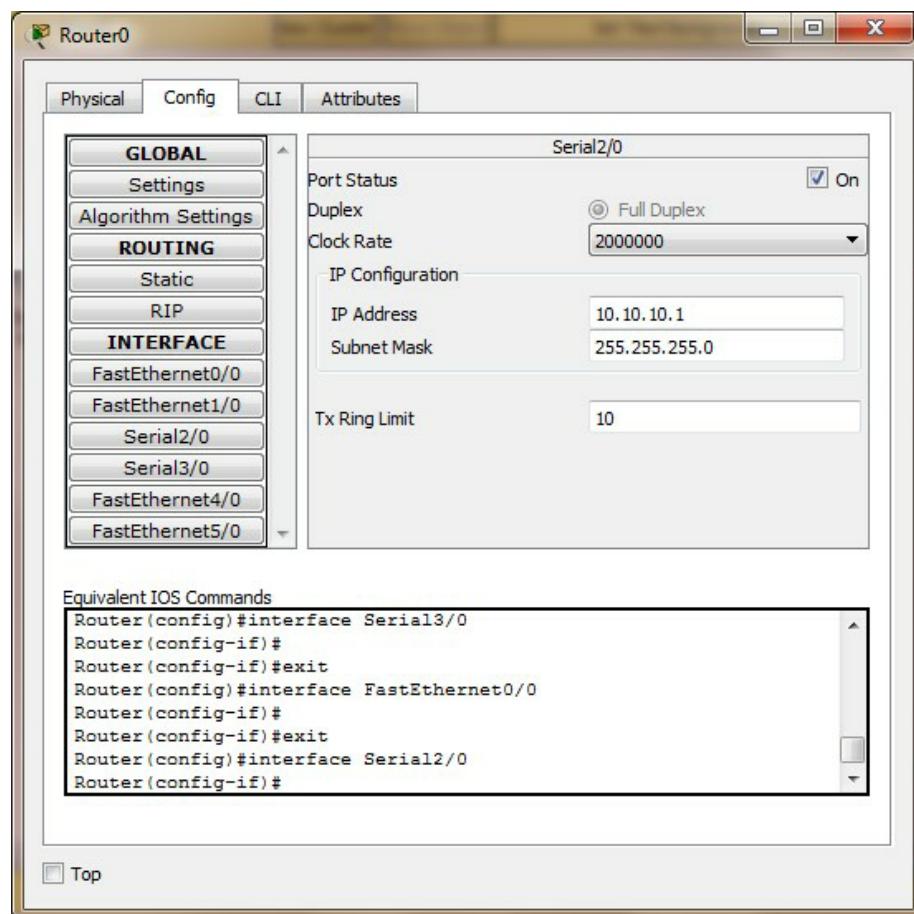
1. Buatlah topologi jaringan seperti pada Gambar 1, menggunakan router seri generic



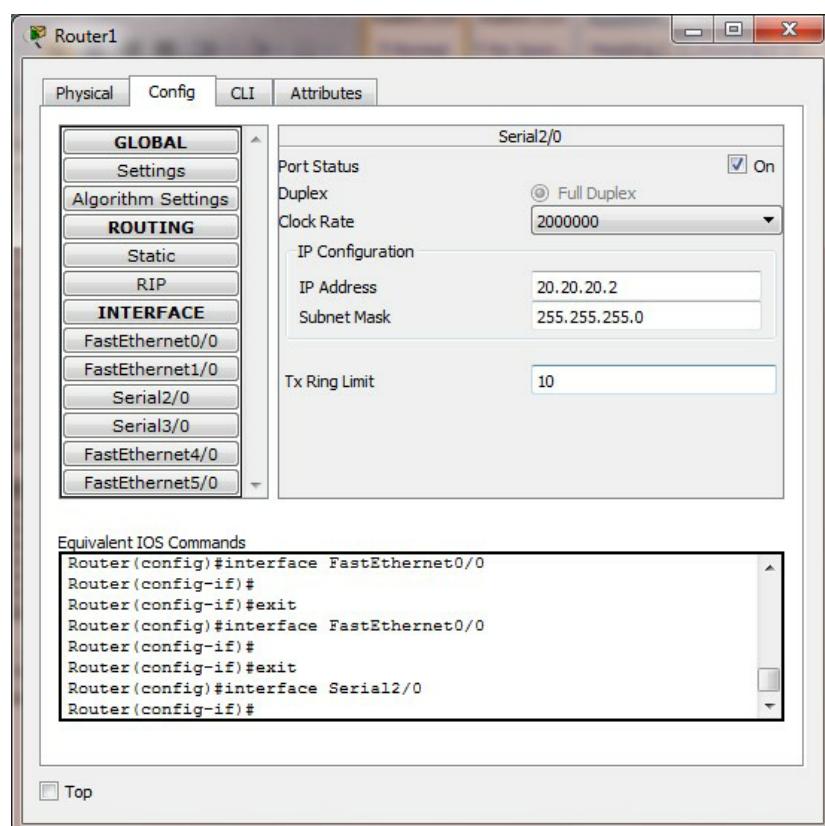
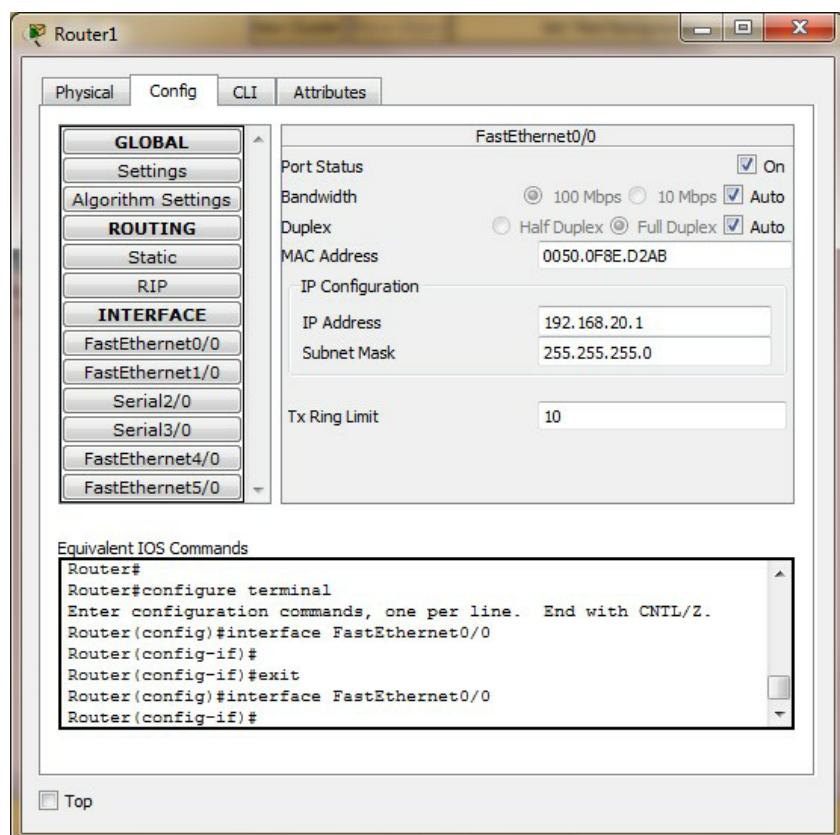
2. Lakukan konfigurasi penglamatan IP terhadap ROUTER 1,2,3, PC 1,2,3!

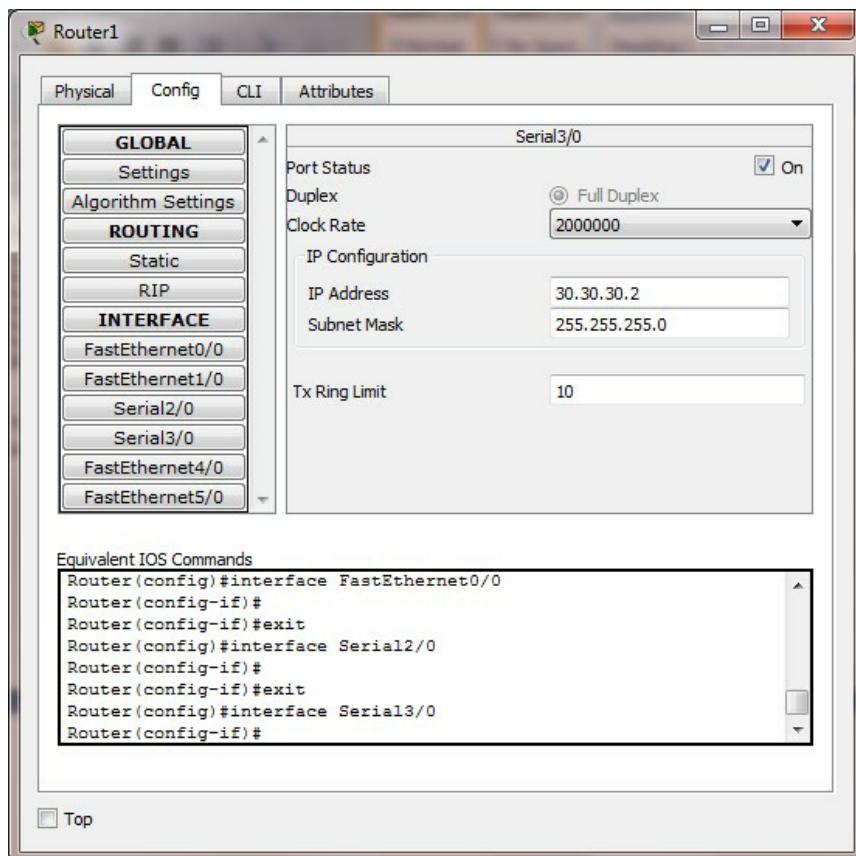
>router 0



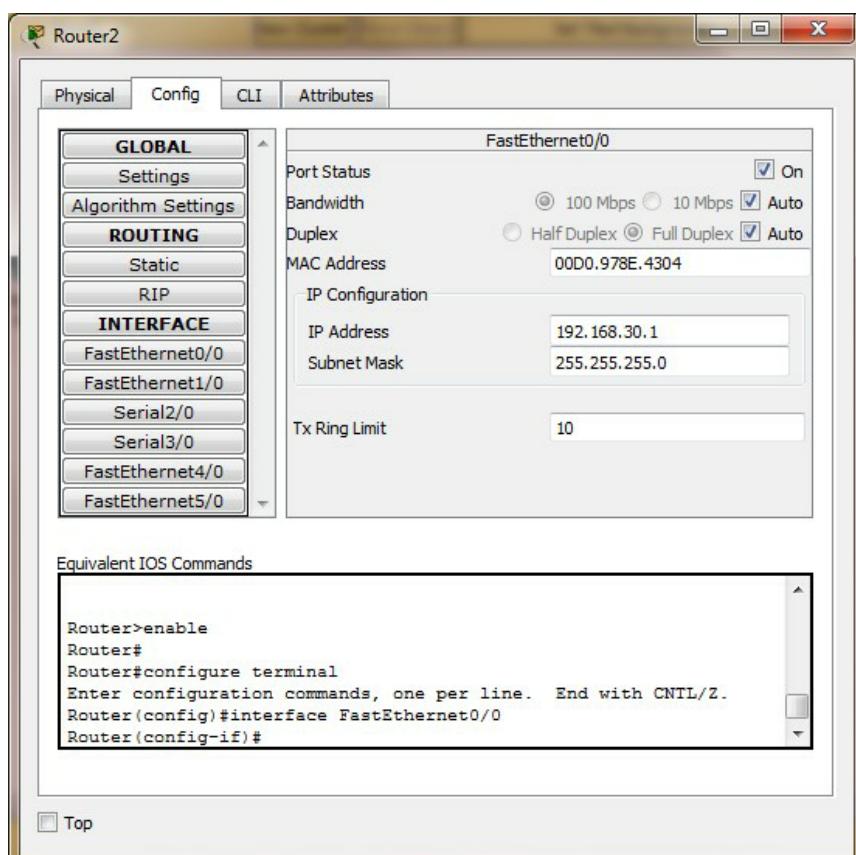


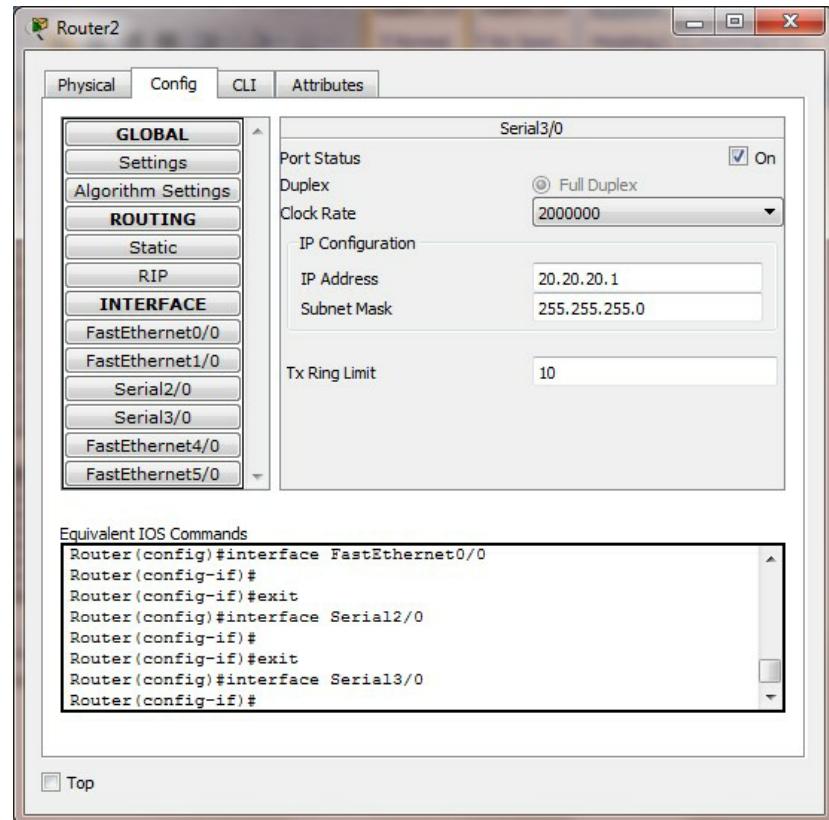
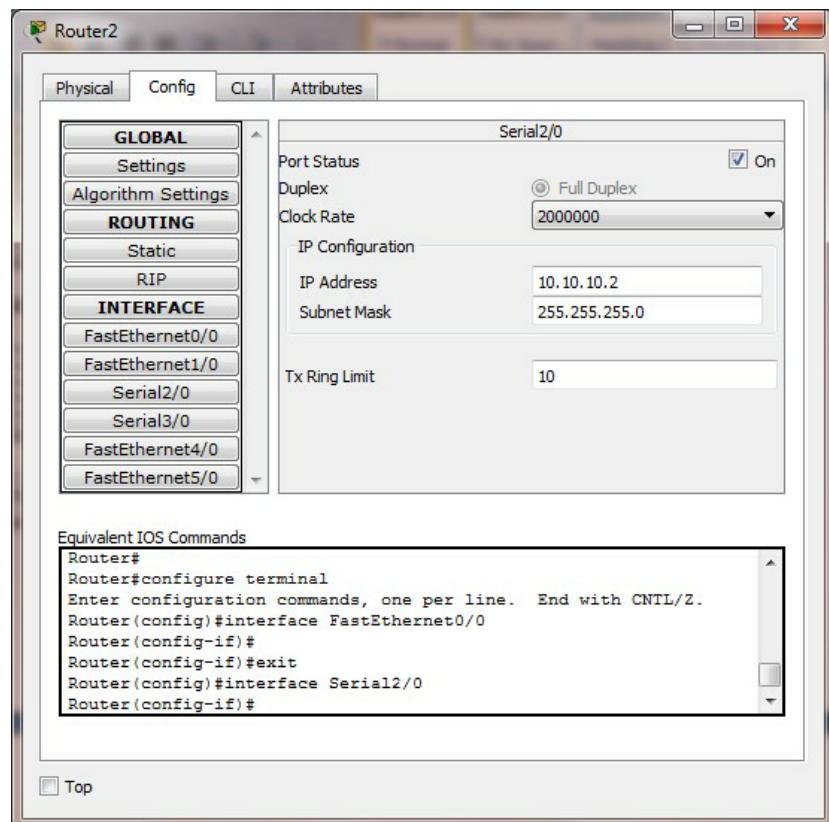
>router 1



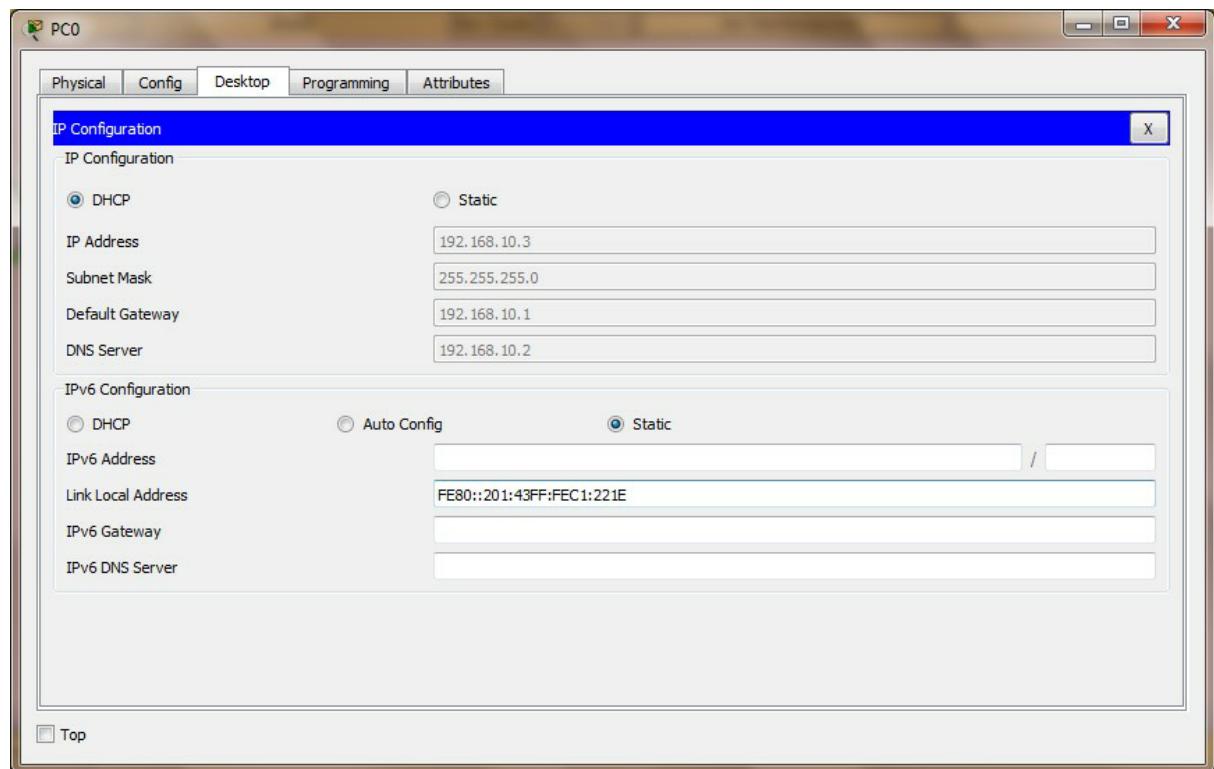


>router 2

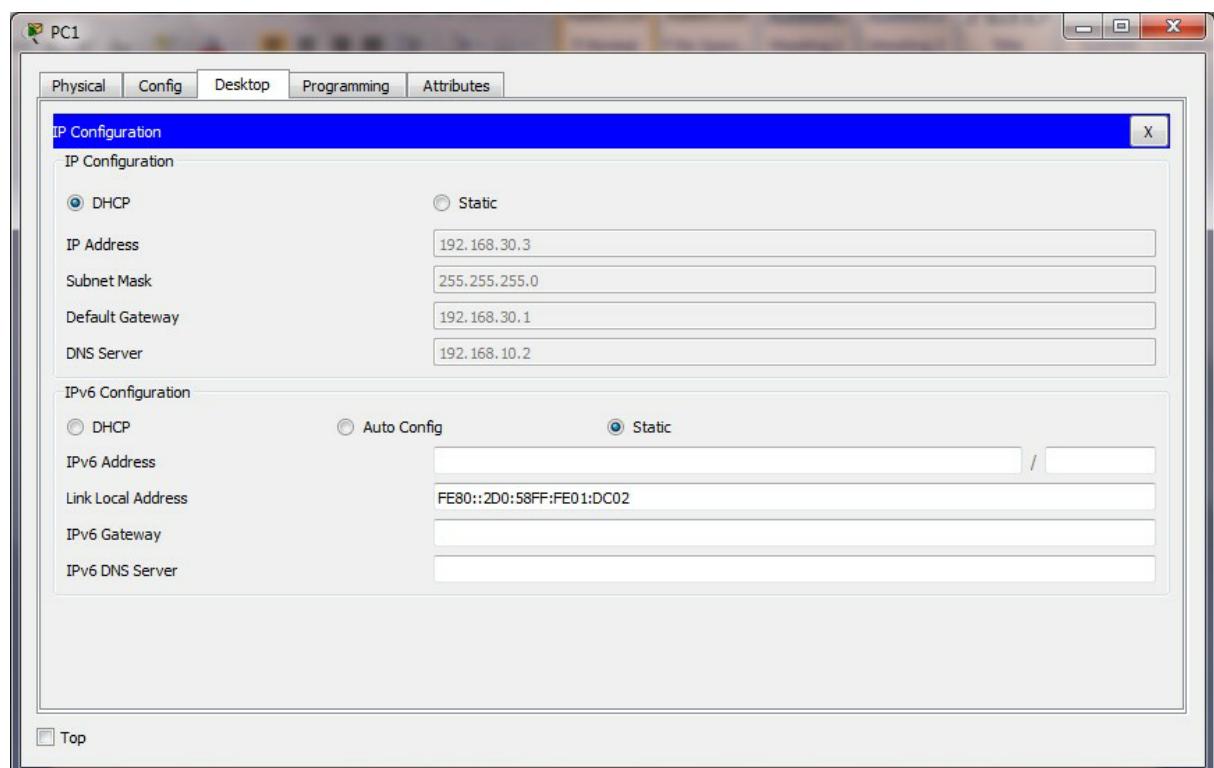




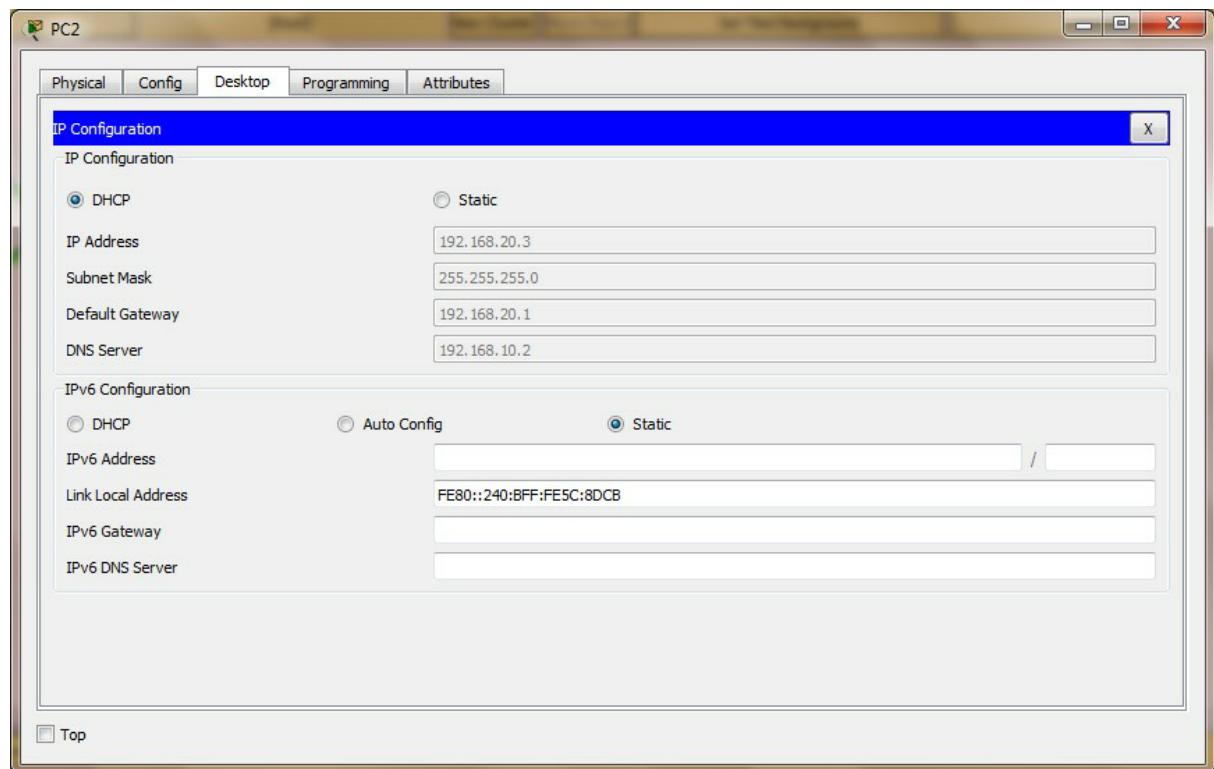
>pc 0



>pc 1

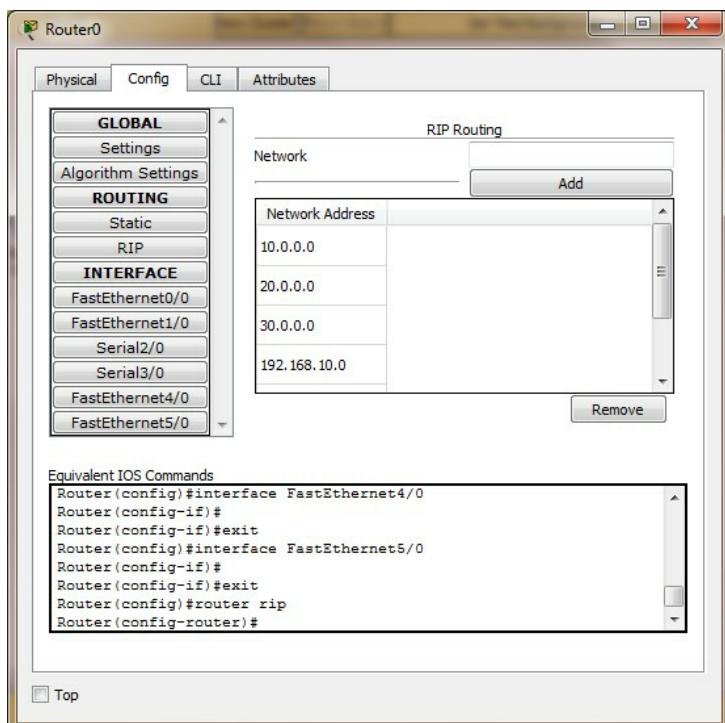


>pc 2

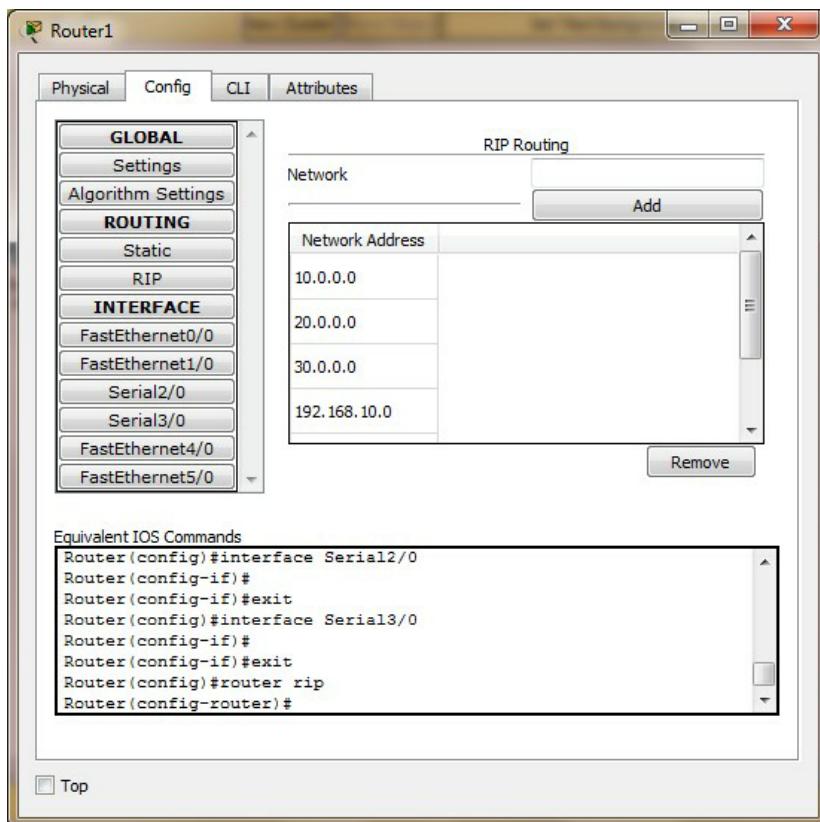


3. Lakukan konfigurasi untuk routing dinamis menggunakan protokol routing RIP pada 3 router tersebut!

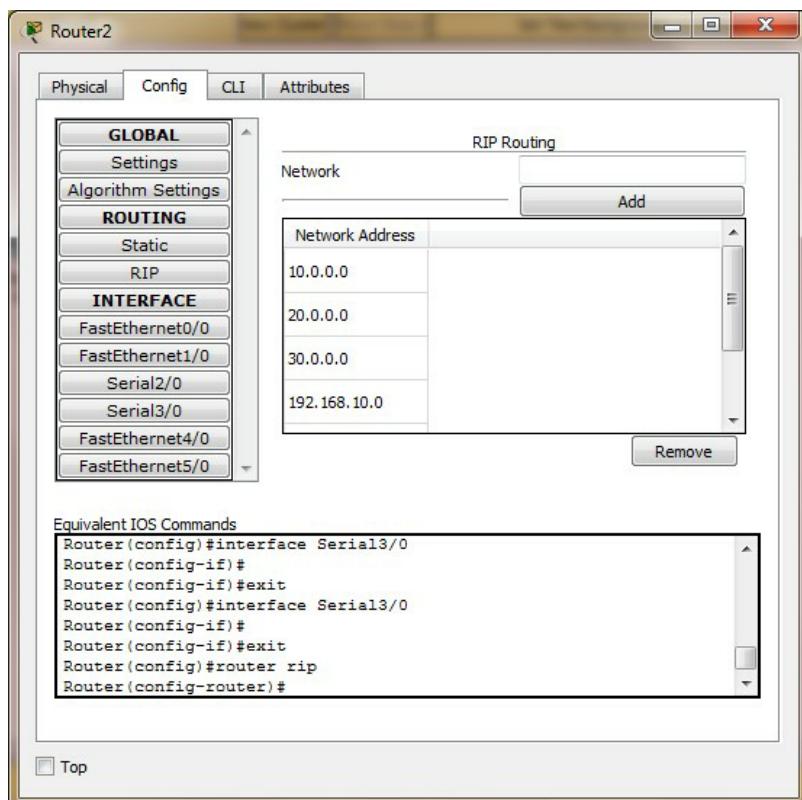
>router0



>router1



>router2



4. Lakukan uji koneksi untuk melihat koneksi antar PC dan lakukan konfigurasi

routing statis pada 3 router tersebut

>pc0

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ping 192.168.20.3
Pinging 192.168.20.3 with 32 bytes of data:
Reply from 192.168.20.3: bytes=32 time=38ms TTL=126
Reply from 192.168.20.3: bytes=32 time=13ms TTL=126
Reply from 192.168.20.3: bytes=32 time=17ms TTL=126
Reply from 192.168.20.3: bytes=32 time=14ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 13ms, Maximum = 38ms, Average = 20ms

C:\>ping 192.168.30.3
Pinging 192.168.30.3 with 32 bytes of data:
Reply from 192.168.30.3: bytes=32 time=12ms TTL=126
Reply from 192.168.30.3: bytes=32 time=14ms TTL=126
Reply from 192.168.30.3: bytes=32 time=13ms TTL=126
Reply from 192.168.30.3: bytes=32 time=11ms TTL=126

Ping statistics for 192.168.30.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 14ms, Average = 12ms
```

Top

>pc1

PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ping 192.168.10.3
Pinging 192.168.10.3 with 32 bytes of data:
Reply from 192.168.10.3: bytes=32 time=12ms TTL=126
Reply from 192.168.10.3: bytes=32 time=4ms TTL=126
Reply from 192.168.10.3: bytes=32 time=19ms TTL=126
Reply from 192.168.10.3: bytes=32 time=28ms TTL=126

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 28ms, Average = 15ms

C:\>ping 192.168.20.3
Pinging 192.168.20.3 with 32 bytes of data:
Reply from 192.168.20.3: bytes=32 time=15ms TTL=126
Reply from 192.168.20.3: bytes=32 time=15ms TTL=126
Reply from 192.168.20.3: bytes=32 time=24ms TTL=126
Reply from 192.168.20.3: bytes=32 time=12ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 12ms, Maximum = 24ms, Average = 16ms
```

Top

>pc2

```

Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.3

Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time=11ms TTL=126

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 31ms, Average = 16ms

C:\>ping 192.168.30.3

Pinging 192.168.30.3 with 32 bytes of data:

Reply from 192.168.30.3: bytes=32 time=28ms TTL=126
Reply from 192.168.30.3: bytes=32 time=13ms TTL=126
Reply from 192.168.30.3: bytes=32 time=16ms TTL=126
Reply from 192.168.30.3: bytes=32 time=26ms TTL=126

Ping statistics for 192.168.30.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 13ms, Maximum = 26ms, Average = 20ms

```

Top

## 5. Menggunakan acces list, batasi hanya pc 2 yang bisa mengakses server dhcp!

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.10.1	192.168.10.2	192.168.10.3	255.255.255.0	253	0.0.0.0	0.0.0.0

bagong.com

Physical Config Services Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

**DHCP**

Interface: FastEthernet0 Service:  On  Off

Pool Name: serverPool

Default Gateway: 192.168.30.1

DNS Server: 192.168.10.2

Start IP Address: 192.168.30.1 | 168 | 30 | 3

Subnet Mask: 255.255.255.0 | 255 | 255 | 0

Maximum Number of Users: 253

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.30.1	192.168.10.2	192.168.30.3	255.255.255.0	253	0.0.0.0	0.0.0.0

Top

DHCP

Physical Config Services Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

**DHCP**

Interface: FastEthernet0 Service:  On  Off

Pool Name: serverPool

Default Gateway: 192.168.20.1

DNS Server: 192.168.10.2

Start IP Address: 192.168.20.1 | 168 | 20 | 3

Subnet Mask: 255.255.255.0 | 255 | 255 | 0

Maximum Number of Users: 253

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.20.1	192.168.10.2	192.168.20.3	255.255.255.0	253	0.0.0.0	0.0.0.0

Top

