Nama: Khairul Noviyanti

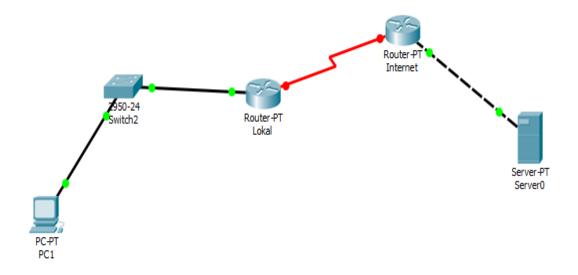
NIM : L200170178

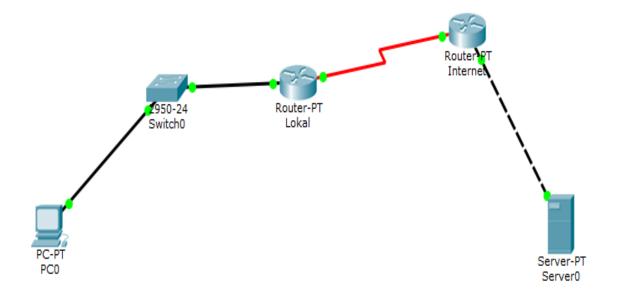
Kelas : D

# **Praktikum Jaringan Komputer**

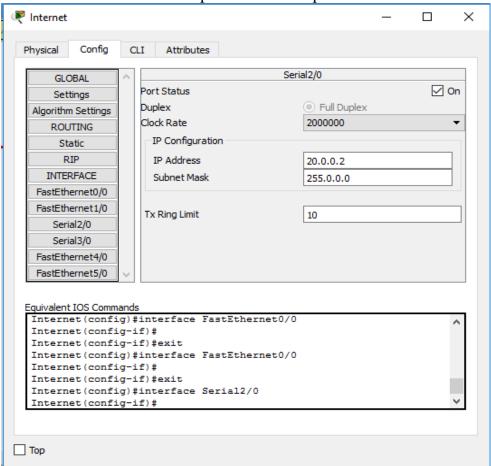
## **Tugas Modul 9**

- (1). Kesimpulannya adalah apabila melakukan konfigurasi routing statis lebih rumit dan panjang jika dibandingkan dengan menggunakan mekanisme NAT.
- (2). Langkah langkah:

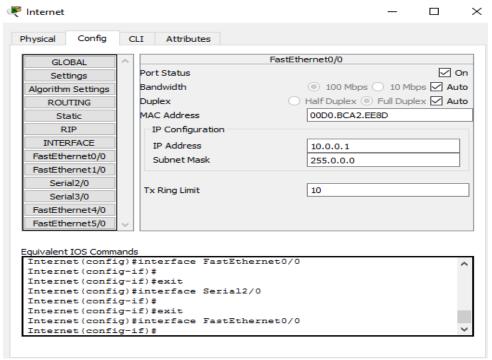




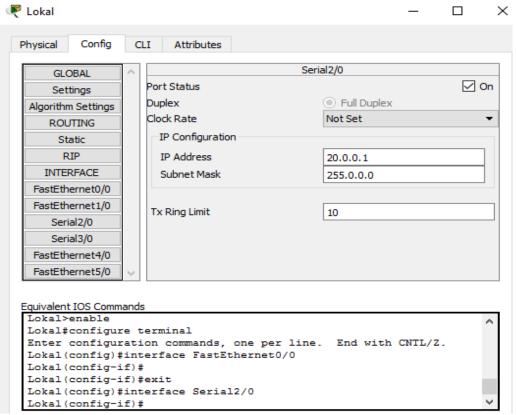
1. Memberi alamat IP Address pada Serial 2/0 pada Router Internet



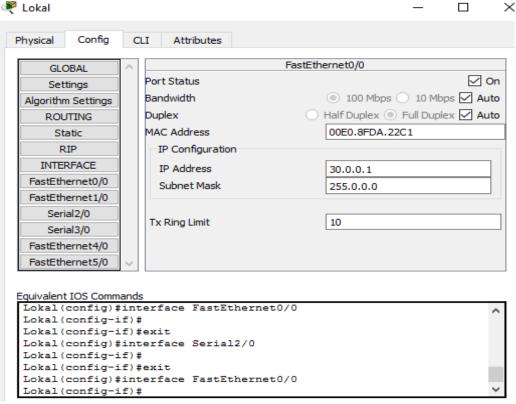
2. Memberi alamat IP Address pada FastEthernet 0/0 pada Router Internet



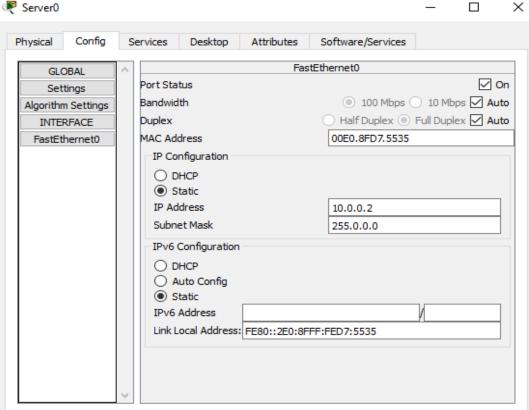
3. Memberi alamat IP Address pada Serial 2/0 pada Router Lokal



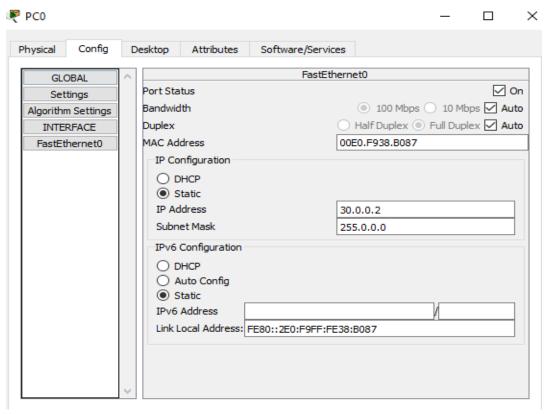
4. Memberi alamat IP Address pada FastEthernet 0/0 pada Router Internet



5. Memberi alamat IP Address pada FastEthernet 0/0 pada Web Server



6. Memberi alamat IP Address pada FastEthernet 0/0 pada PC0



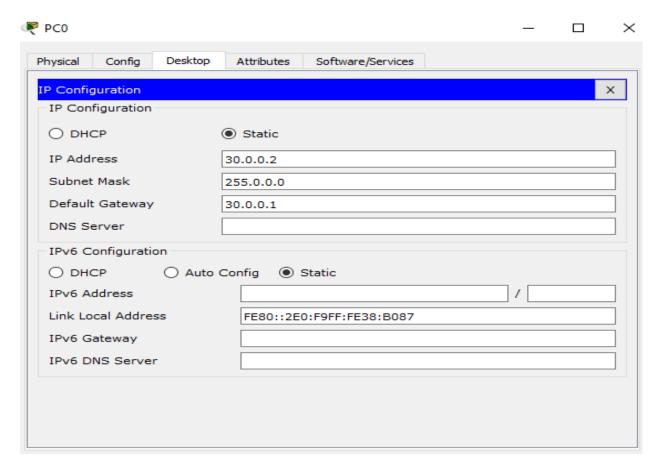
7. Melakukan konfigurasi pada Router Internet

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #hostname Internet
Internet(config) #int fa 0/0
Internet(config-if) #ip address 10.0.0.1 255.0.0.0
Internet(config-if) #no shutdown
Internet(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
Internet(config-if) #exit
Internet(config) #int se 2/0
Internet(config-if) #ip address 20.0.0.2 255.0.0.0
Internet(config-if) #no shutdown
%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Internet(config-if) #ip route 30.0.0.0 255.0.0.0 20.0.0.1
Internet(config) #ip nat inside source static 10.0.0.2 50.0.0.1
Internet(config) #int fa 0/0
Internet(config-if) #ip nat inside
Internet(config-if) #exit
```

8. Melakukan konfigurasi pada Router Lokal

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #hostname Lokal
Lokal(config) #int fa 0/0
Lokal(config-if) #ip address 30.0.0.1 255.0.0.0
Lokal(config-if) #no shutdown
Lokal(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
Lokal(config-if) #exit
Lokal(config) #int se 2/0
Lokal(config-if) #ip address 20.0.0.1 255.0.0.0
Lokal(config-if)#clock rate 64000
Lokal(config-if) #bandwidth 64
Lokal(config-if) #no shutdown
%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Lokal(config-if) #exit
Lokal(config)#ip route 50.0.0.0 255.0.0.0 20.0.0.2
Lokal(config) #exit
Lokal#
```

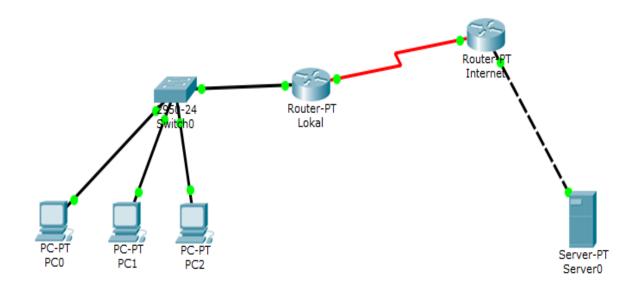
#### 9. Melakukan konfigurasi pada PC0

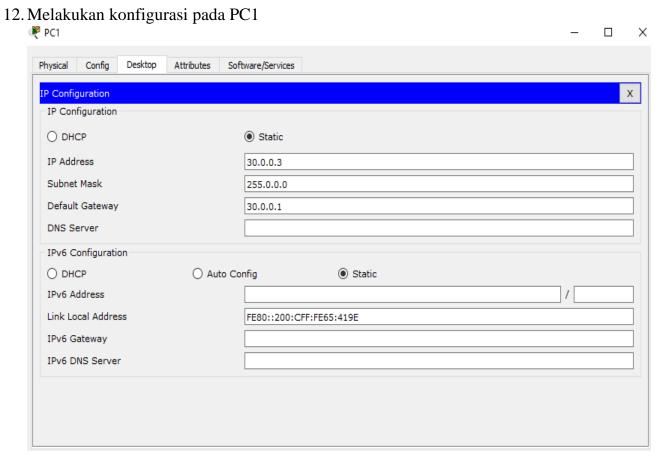


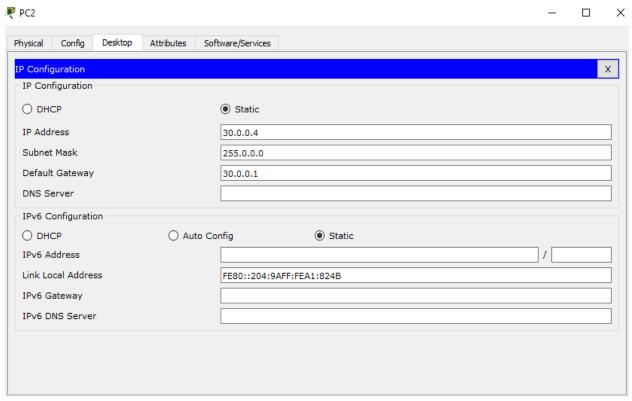
10. Melakukan ping dari PC0

```
Physical Config
                          Desktop
                                          Attributes
                                                           Software/Services
 Command Prompt
                                                                                                                                                                                          Х
 C:\>ping 10.0.0.2
 Pinging 10.0.0.2 with 32 bytes of data:
 Reply from 30.0.0.1: Destination host unreachable. Reply from 30.0.0.1: Destination host unreachable.
 Reply from 30.0.0.1: Destination host unreachable. Reply from 30.0.0.1: Destination host unreachable.
 Ping statistics for 10.0.0.2:
        Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
 C:\>ping 50.0.0.1
 Pinging 50.0.0.1 with 32 bytes of data:
Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=11ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=11ms TTL=126
 Ping statistics for 50.0.0.1:
 Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 11ms, Average = 6ms
```

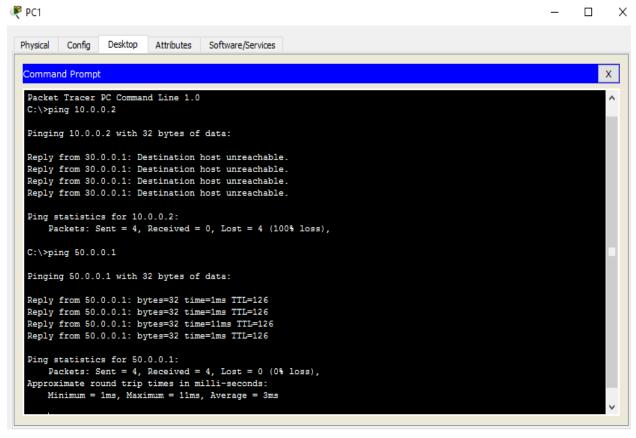
11. Mengembangkan topologi dari langkah 1 menjadi seperti dibawah ini :







#### 14. Melakukan ping pada PC1



### 15. Melakukan ping pada PC2

