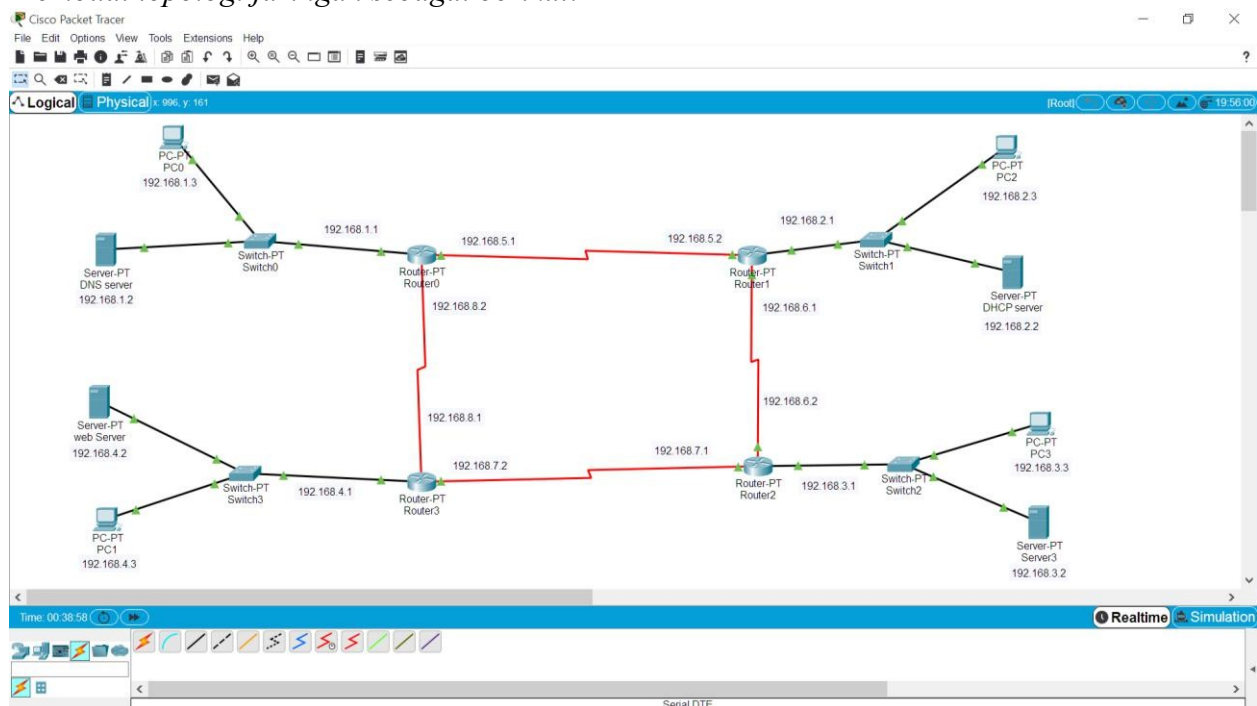


Nama: Thofikh Bisron T	NIM/Kelas: L200170017/A	UAS
------------------------	-------------------------	-----

No.1

Membuat topologi jaringan sebagai berikut:



No.2

Konfigurasi pengalamatan ip(sesuai gambar diatas(no.1))

a)

Router 0	Server DNS	PC 0
SE 2/0 (ip add 192.168.5.1)	Ip add 192.168.1.2	Ip add 192.168.1.3
SE 3/0 (ip add 192.168.8.2)		
Fa 0/0 (ip add 192.168.1.1)		

b)

Router 1	Server DHCP	PC 2
SE 2/0 (ip add 192.168.6.1)	Ip add 192.168.2.2	Otomatis sesuai pengaturan dhcp yang dibuat (ip add 192.168.2.3)
SE 3/0 (ip add 192.168.5.2)		
Fa 0/0 (ip add 192.168.2.1)		

c)

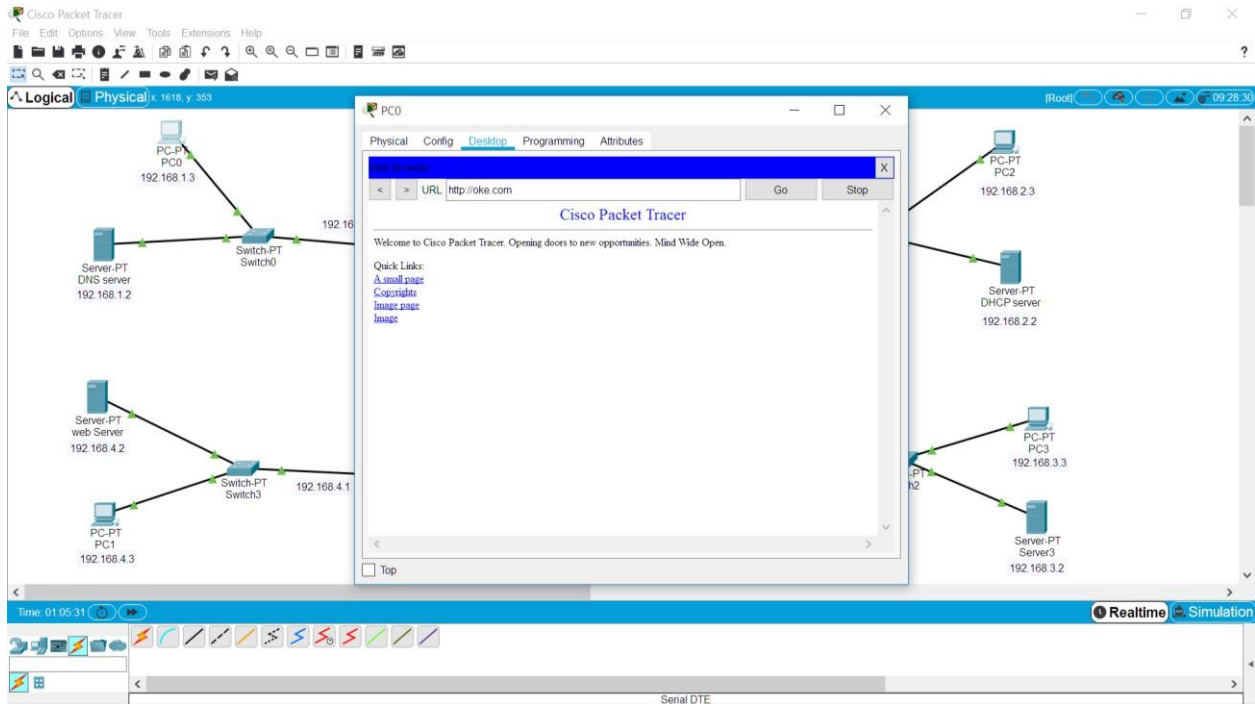
Router 2	Server3	PC 3
SE 2/0 (ip add 192.168.7.1)	Ip add 192.168.3.2	Ip add 192.168.3.3
SE 3/0 (ip add 192.168.6.2)		
Fa 0/0 (ip add 192.168.3.1)		

d)

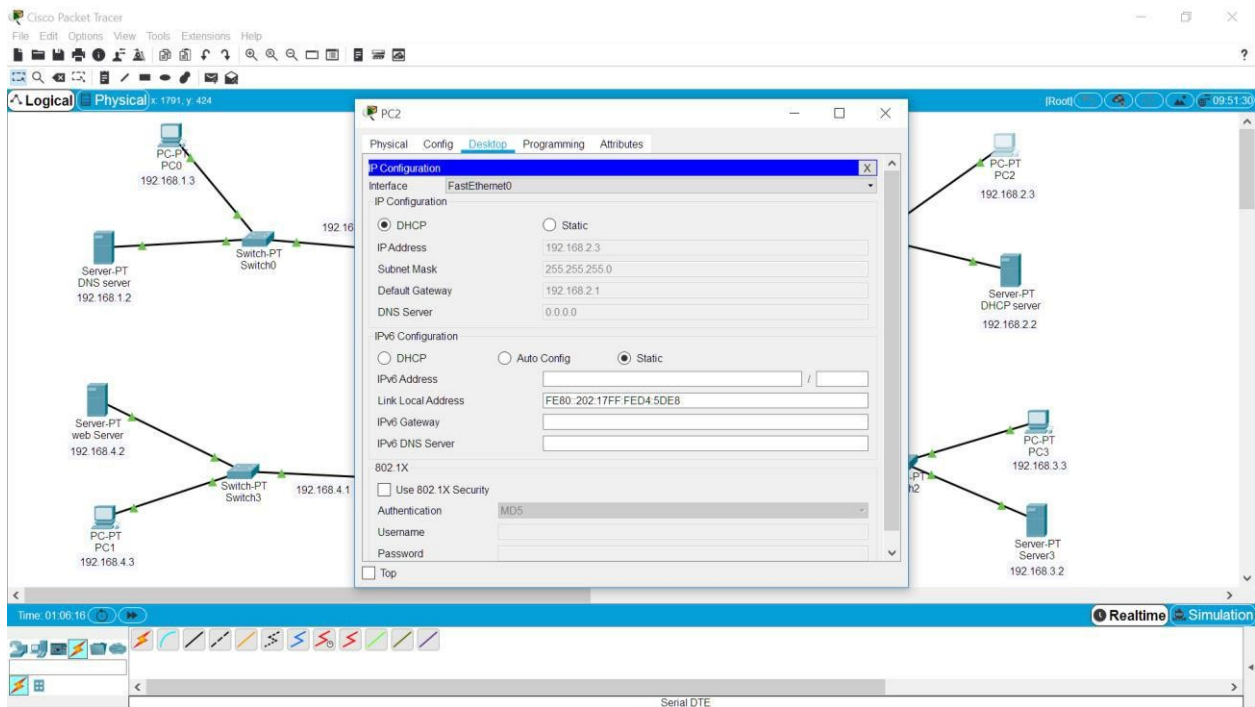
Router 3	Server Web	PC 1
SE 2/0 (ip add 192.168.8.1)	Ip add 192.168.4.2	Ip add 192.168.4.3
SE 3/0 (ip add 192.168.7.2)		
Fa 0/0 (ip add 192.168.4.1)		

Test no.2

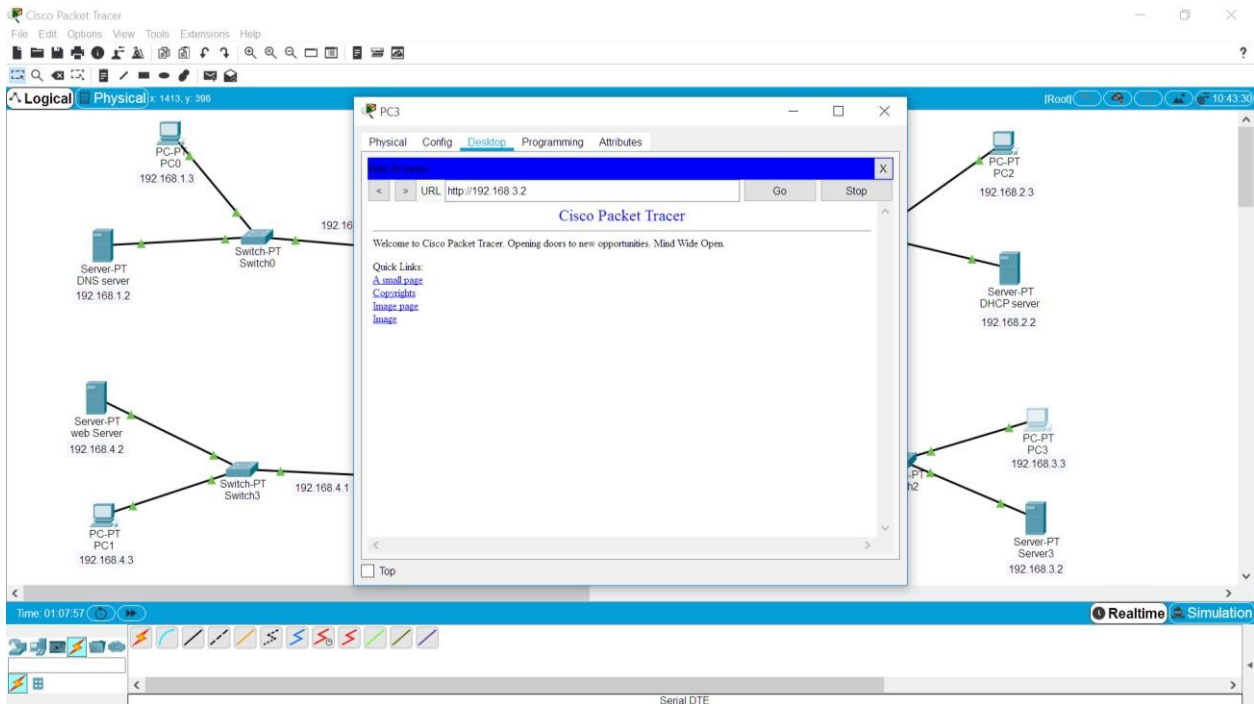
- DNS server



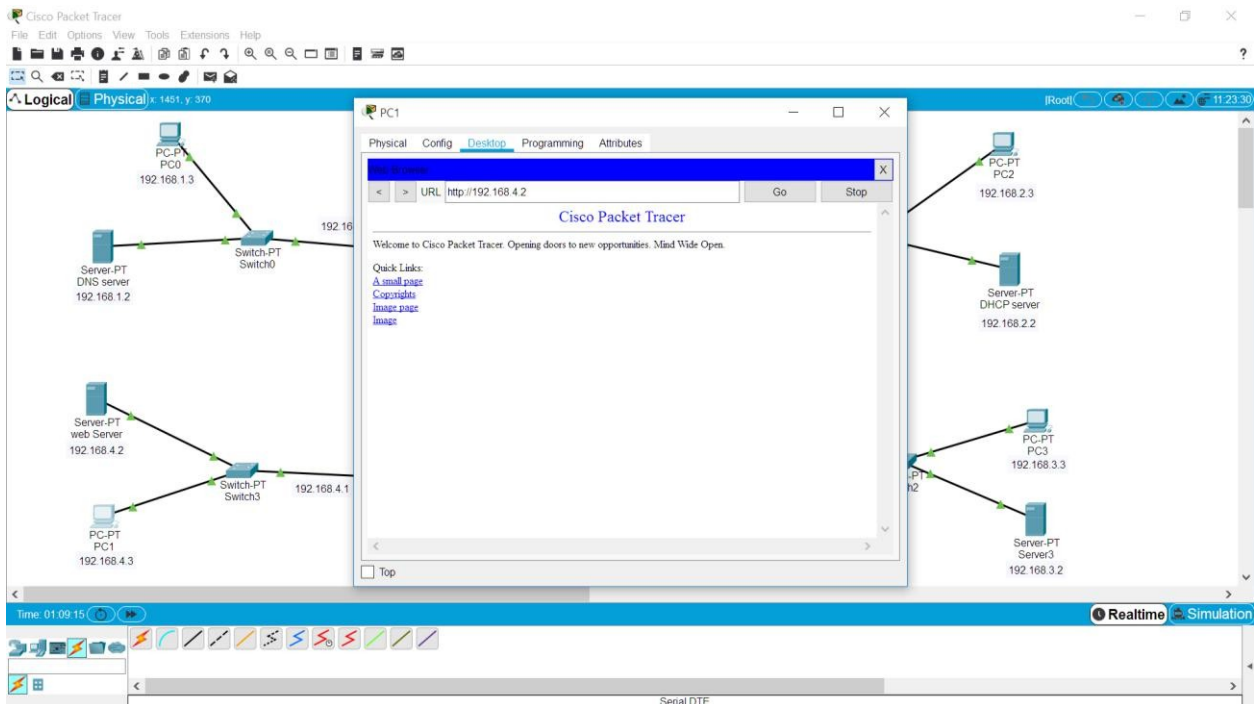
- DHCP Server



- Server3



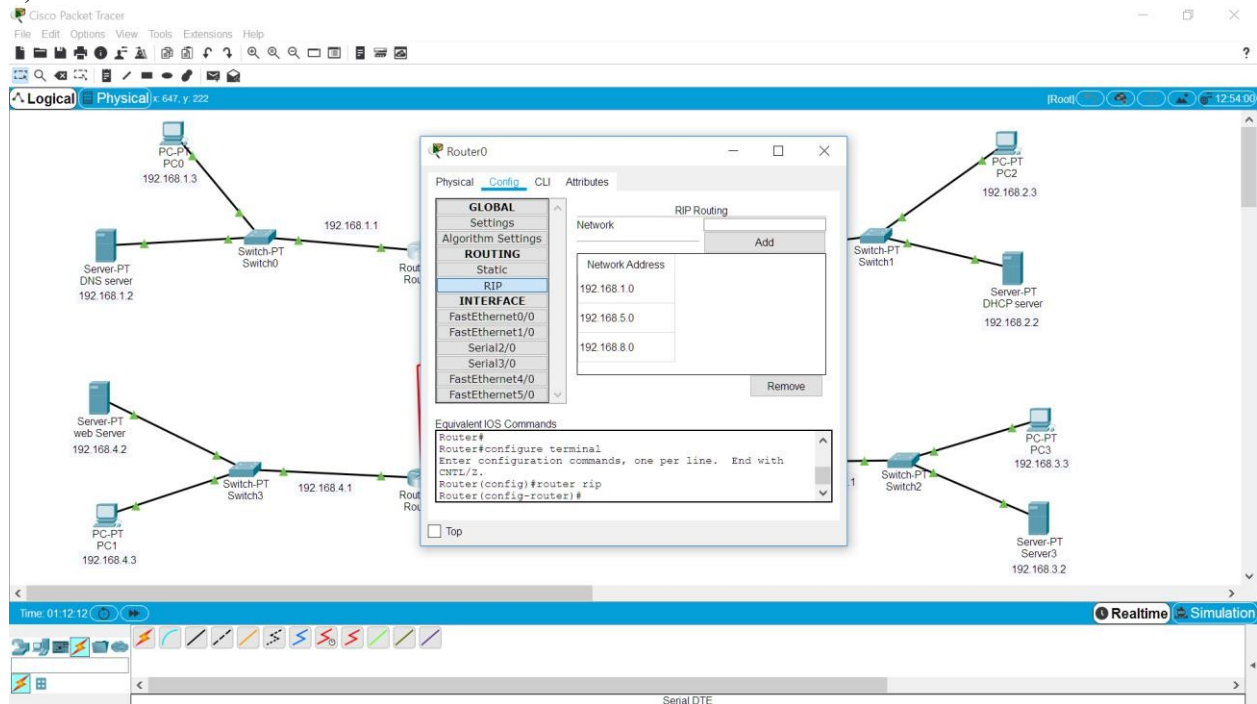
- Server Web



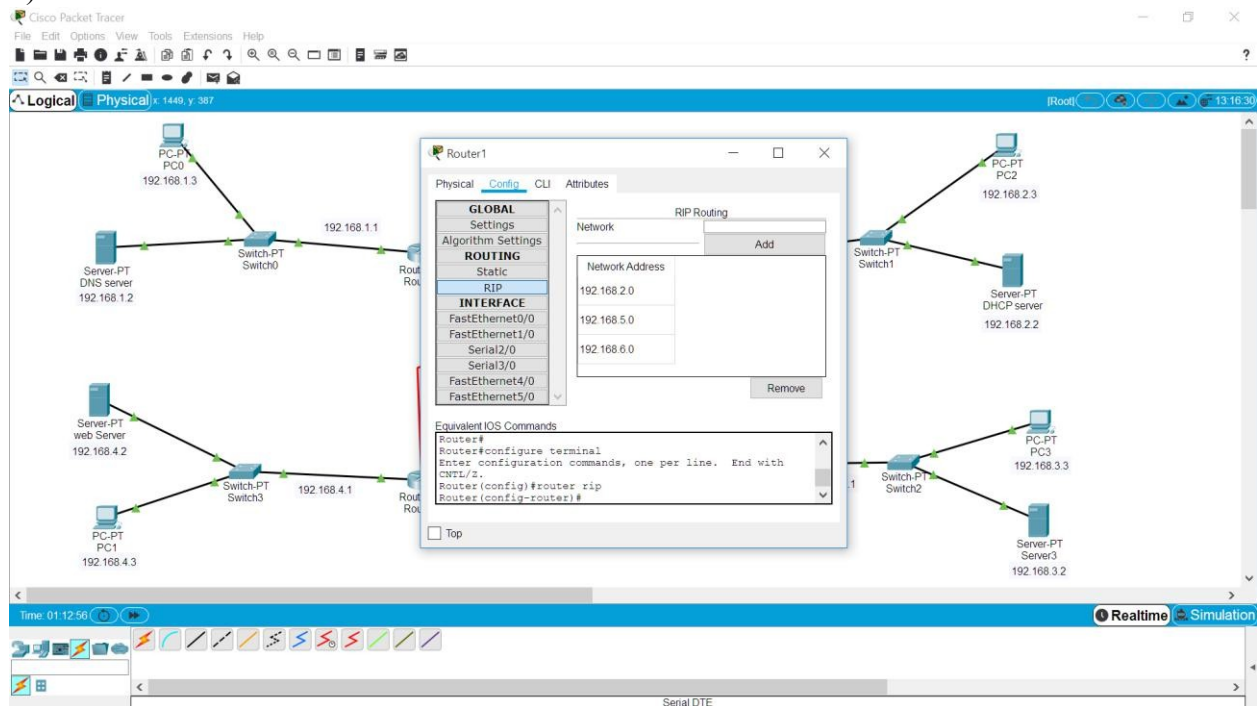
No.3

Konfigurasi routing dinamis

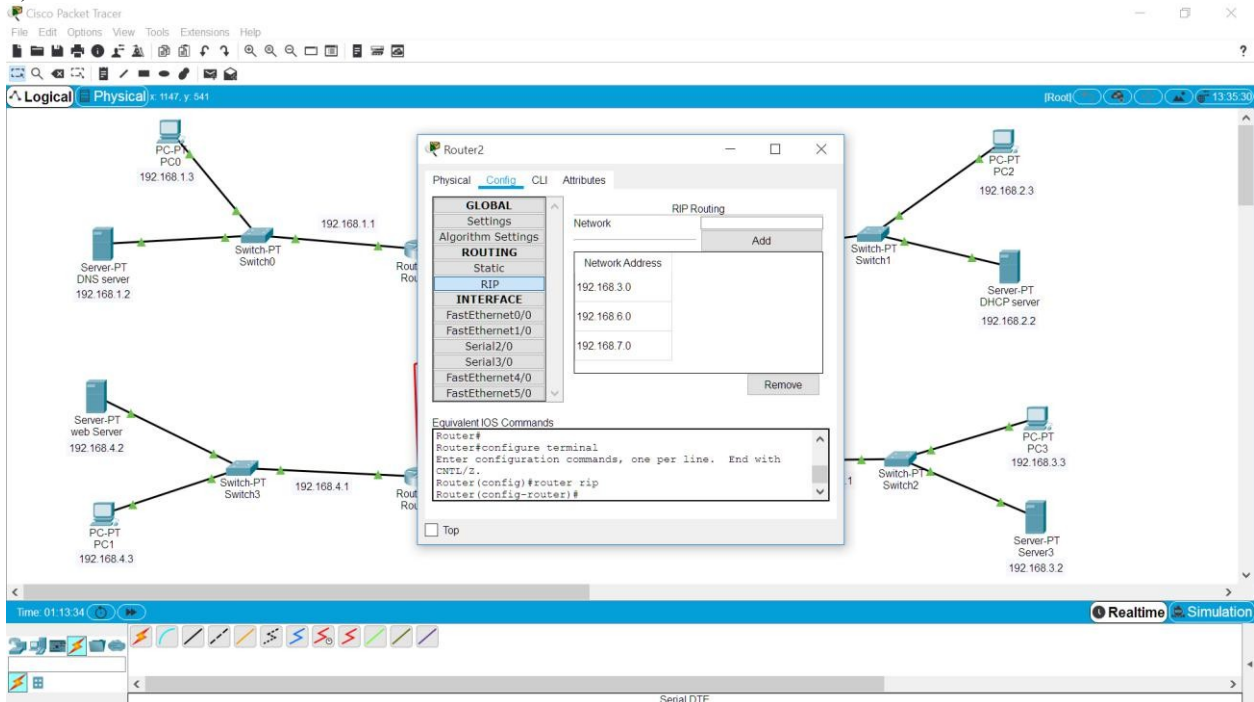
a)router 0



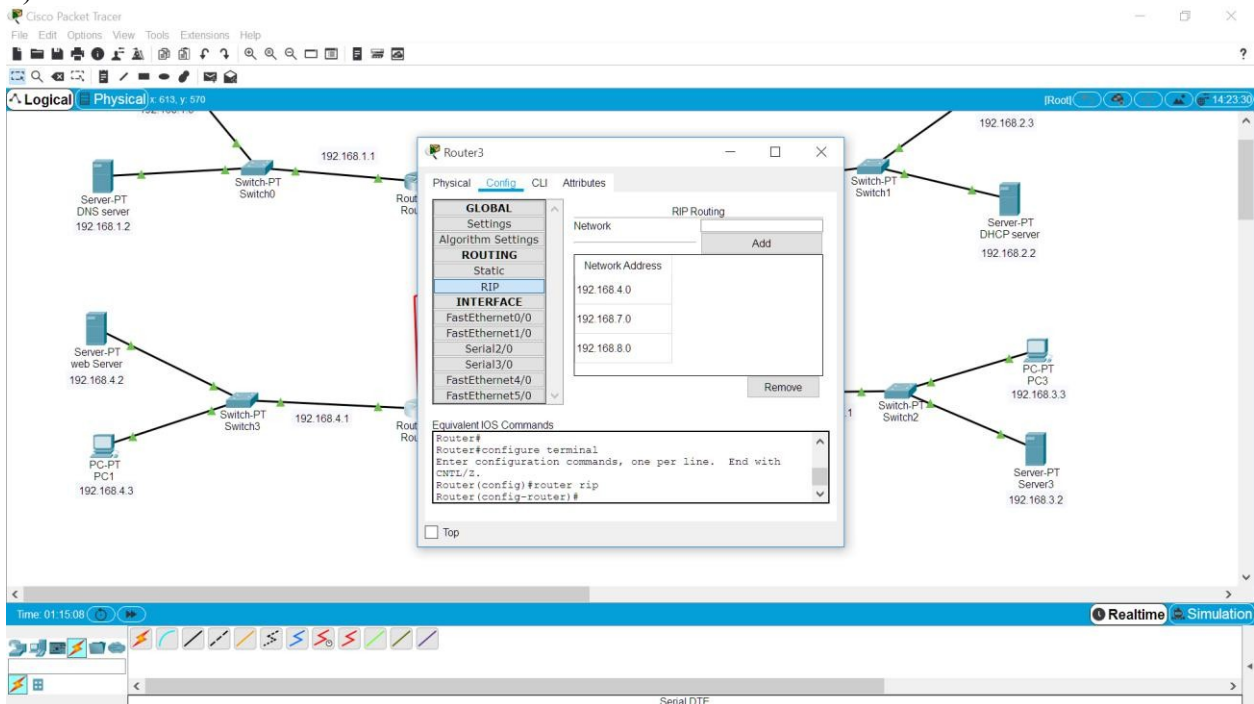
b)router 1



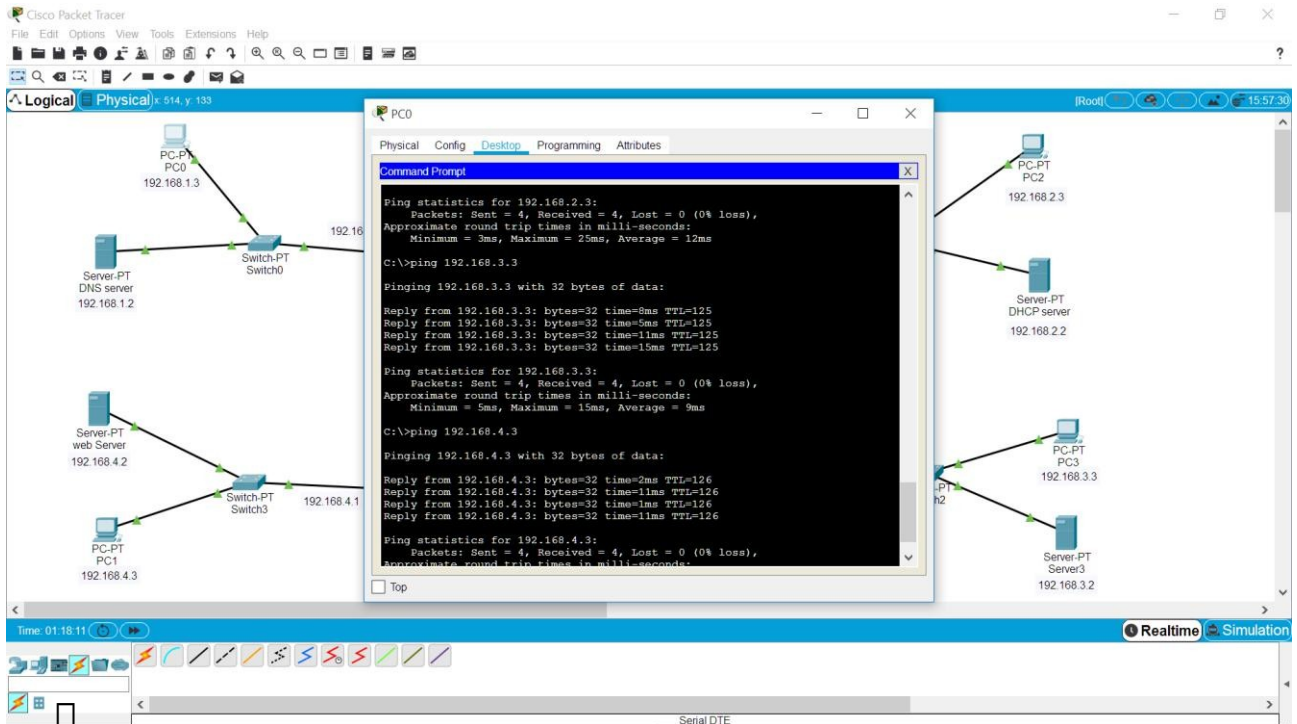
c)router 2



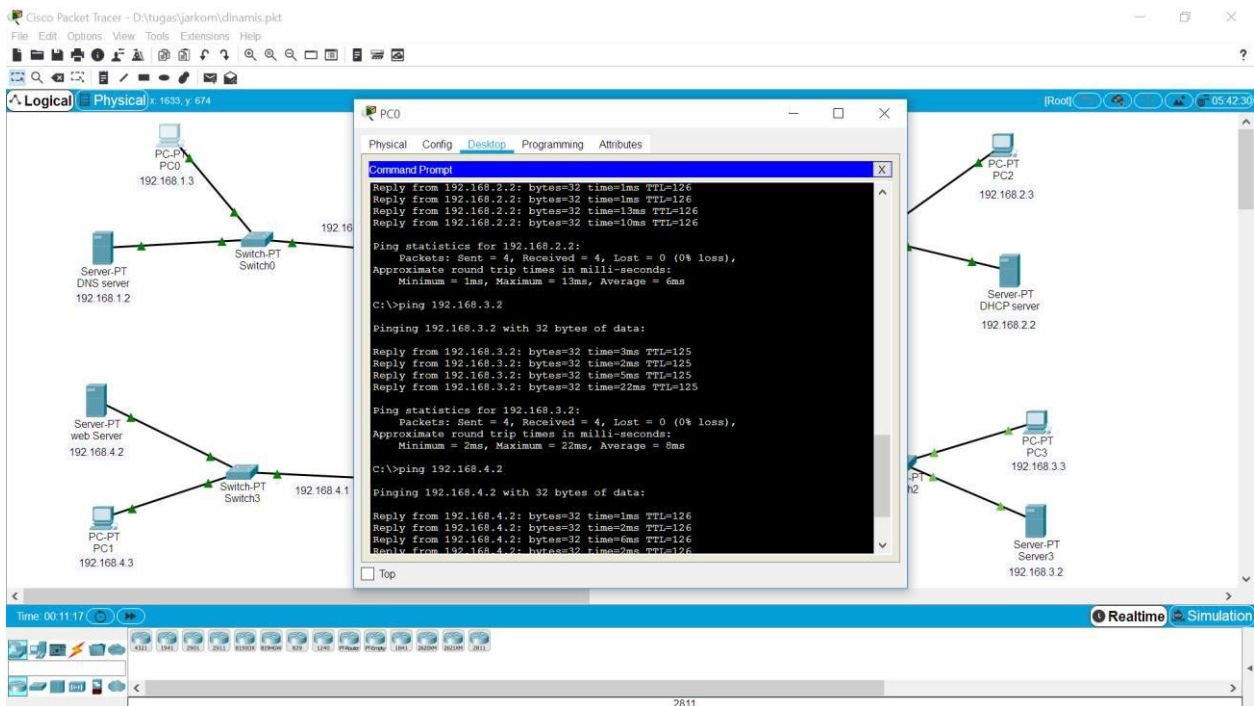
d)router 3



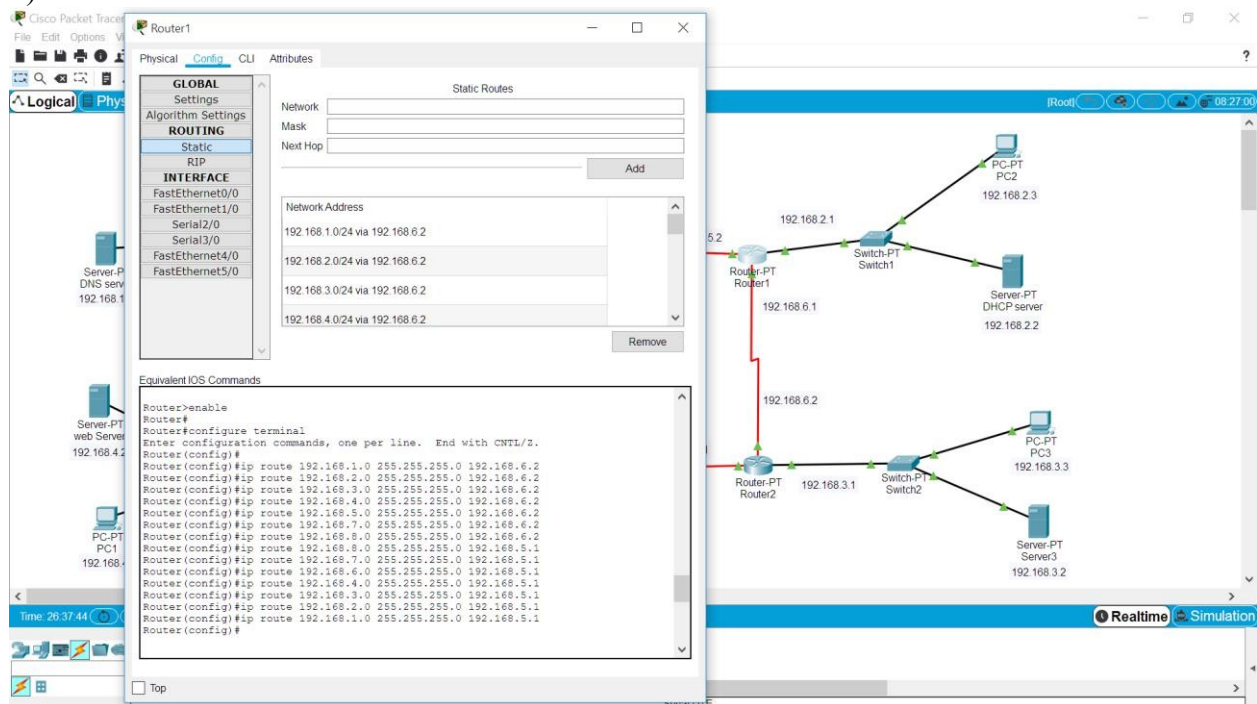
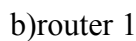
Test no.3 router dinamis (uji konektivitas antar PC)



Test no.3 router dinamis (uji konektivitas PC ke server antar router)



a)router 0



c)router 2

The image shows the Cisco Packet Tracer interface for Router2. The configuration window is open, displaying the following settings:

- Static Routes:**
 - 192.168.1.0/24 via 192.168.7.2
 - 192.168.2.0/24 via 192.168.7.2
 - 192.168.3.0/24 via 192.168.7.2
 - 192.168.4.0/24 via 192.168.7.2
- Equivalent IOS Commands:**

```

Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.7.2
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.6.1
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.6.1
Router(config)#
Router(config)#
Router(config)#
Router(config)#

```

The network topology shows Router2 connected to Router1 and Router3. Router1 is connected to Switch1, which is connected to PC2 (192.168.2.3) and Server-PT DHCP server (192.168.2.2). Router3 is connected to Switch2, which is connected to PC3 (192.168.3.3) and Server-PT Server3 (192.168.3.2).

c)router 3

The image shows the Cisco Packet Tracer interface for Router3. The configuration window is open, displaying the following settings:

- Static Routes:**
 - 192.168.1.0/24 via 192.168.7.1
 - 192.168.2.0/24 via 192.168.7.1
 - 192.168.3.0/24 via 192.168.7.1
 - 192.168.4.0/24 via 192.168.7.1
- Equivalent IOS Commands:**

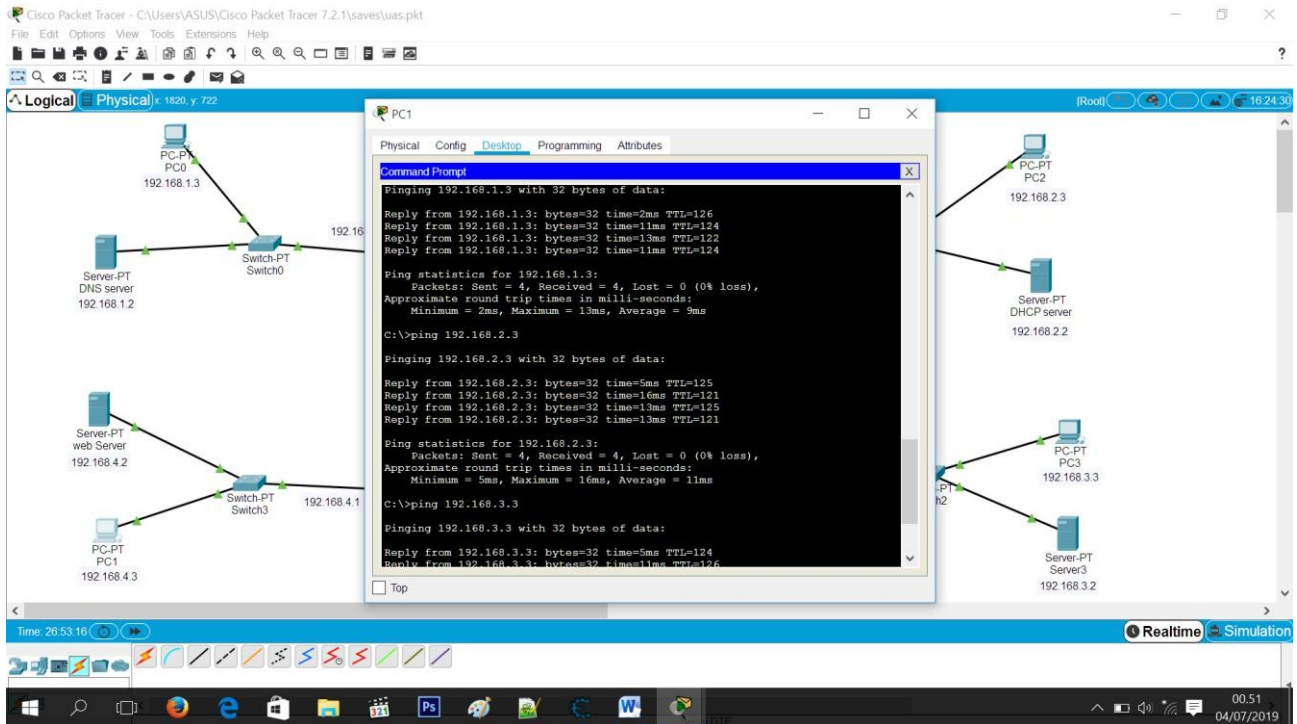
```

Router#enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.5.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.6.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.7.1
Router(config)#ip route 192.168.8.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.7.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.4.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.3.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.8.2
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.8.2
Router(config)#
Router(config)#
Router(config)#
Router(config)#

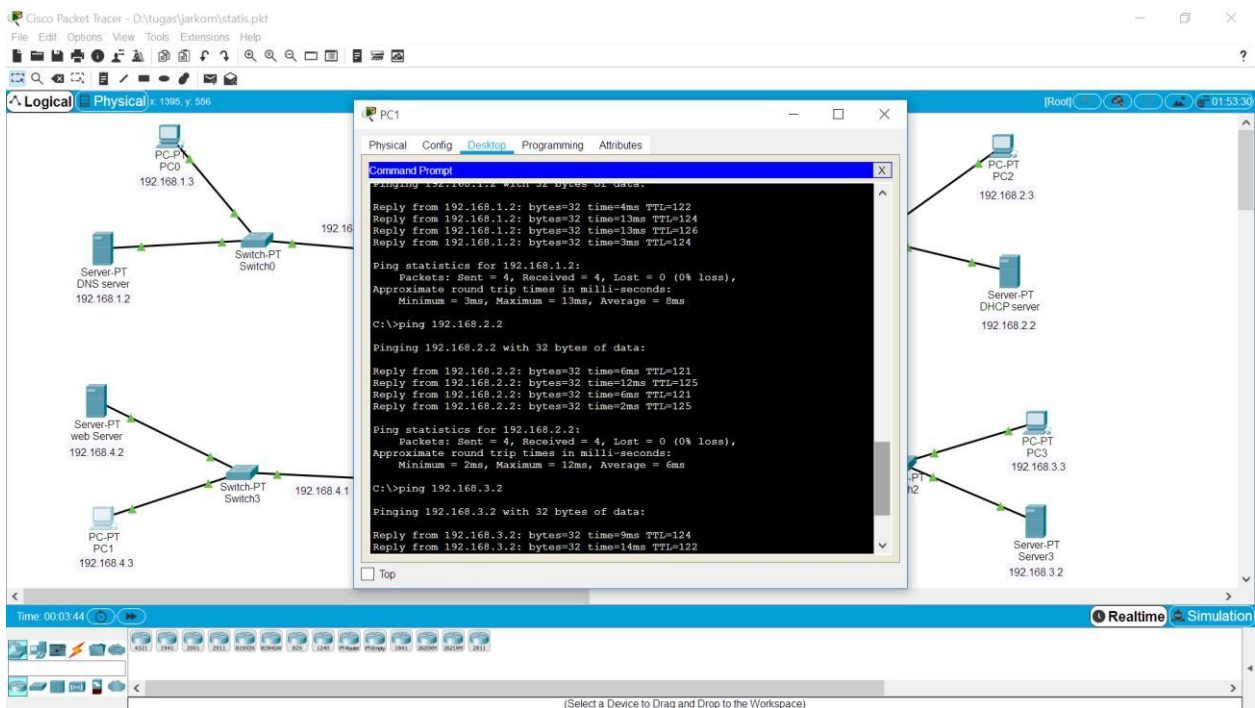
```

The network topology shows Router3 connected to Router0 and Router2. Router0 is connected to Switch0, which is connected to PC0 (192.168.1.3) and Server-PT DNS server (192.168.1.2). Router2 is connected to Switch3, which is connected to PC1 (192.168.4.3) and Server-PT web Server (192.168.4.2).

Test no.4 router statis(uji konektivitas antar PC)

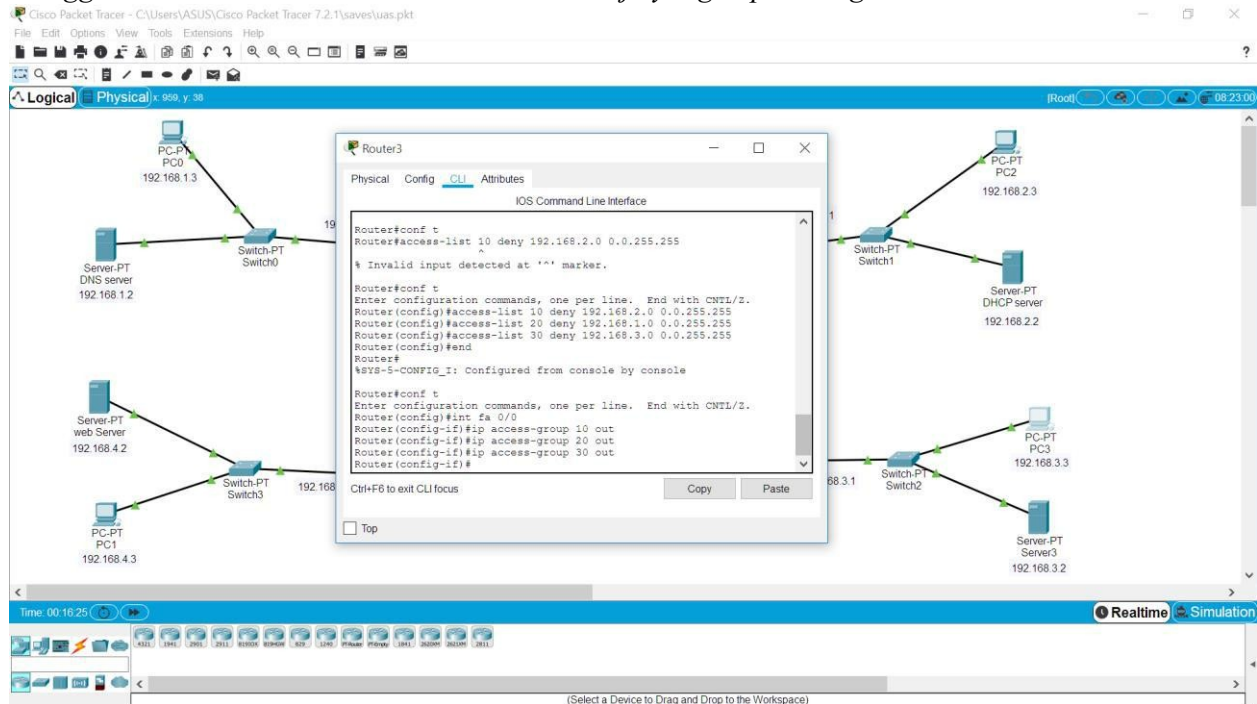


Test no.4 router statis (uji konektivitas PC ke server antar router)

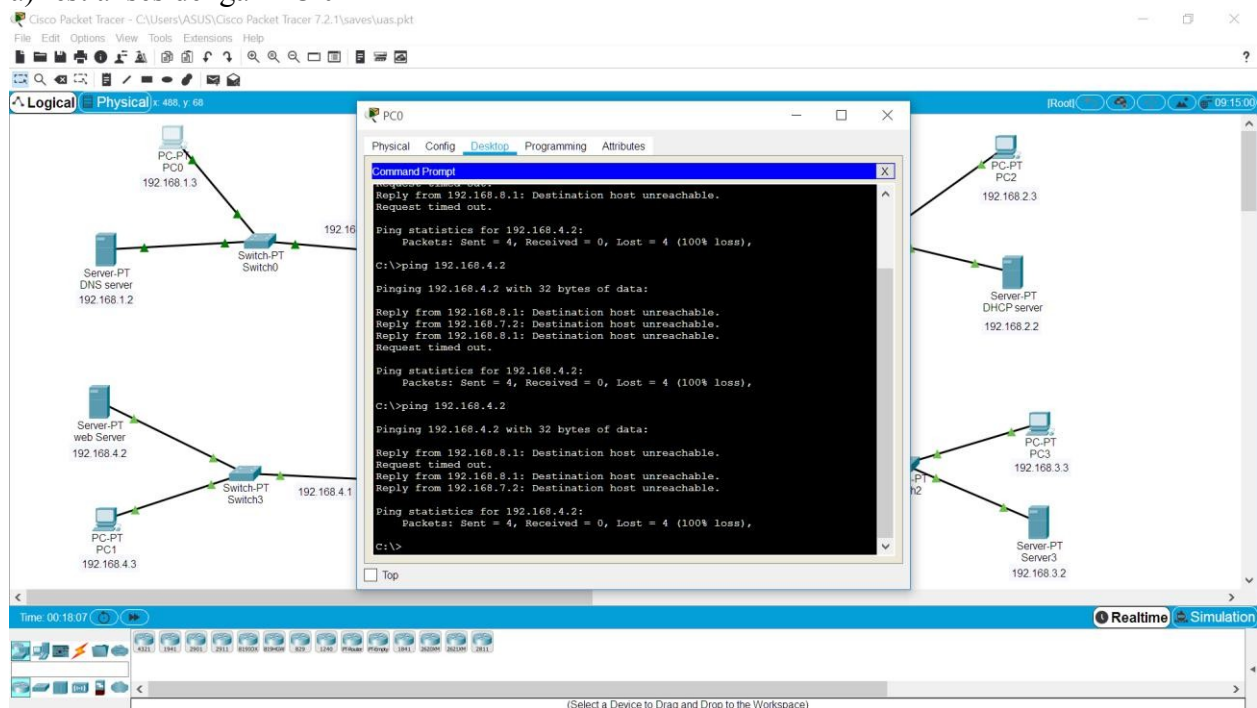


No.5

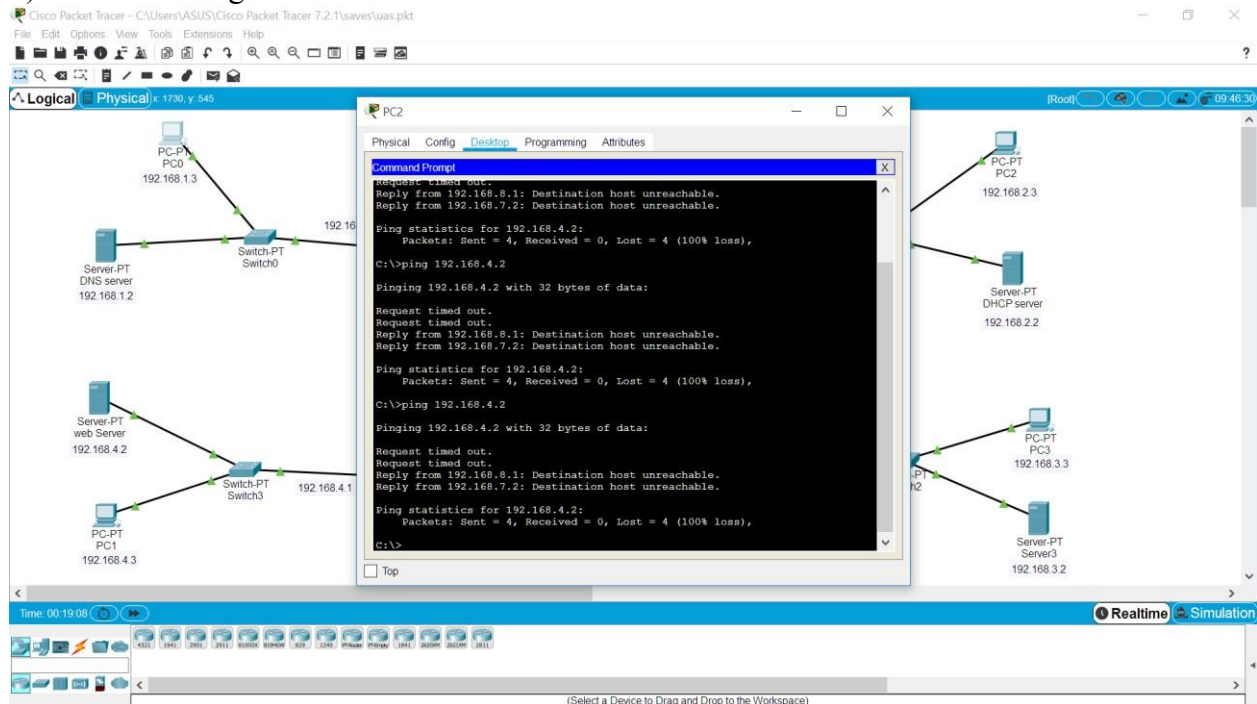
Menggunakan access list untuk membatasi 1 PC saja yang dapat mengakses server web



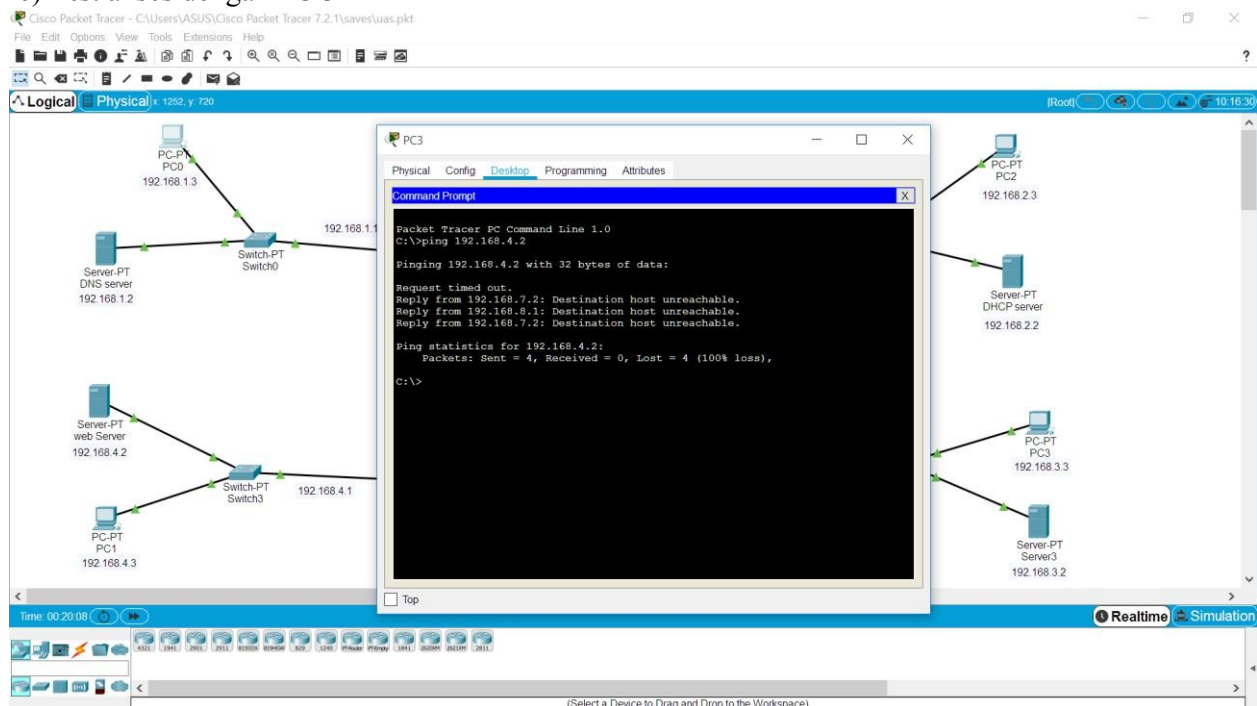
a) Test akses dengan PC 0



b) Test akses dengan PC 2



c) Test akses dengan PC 3



d) Test akses dengan PC 1

