

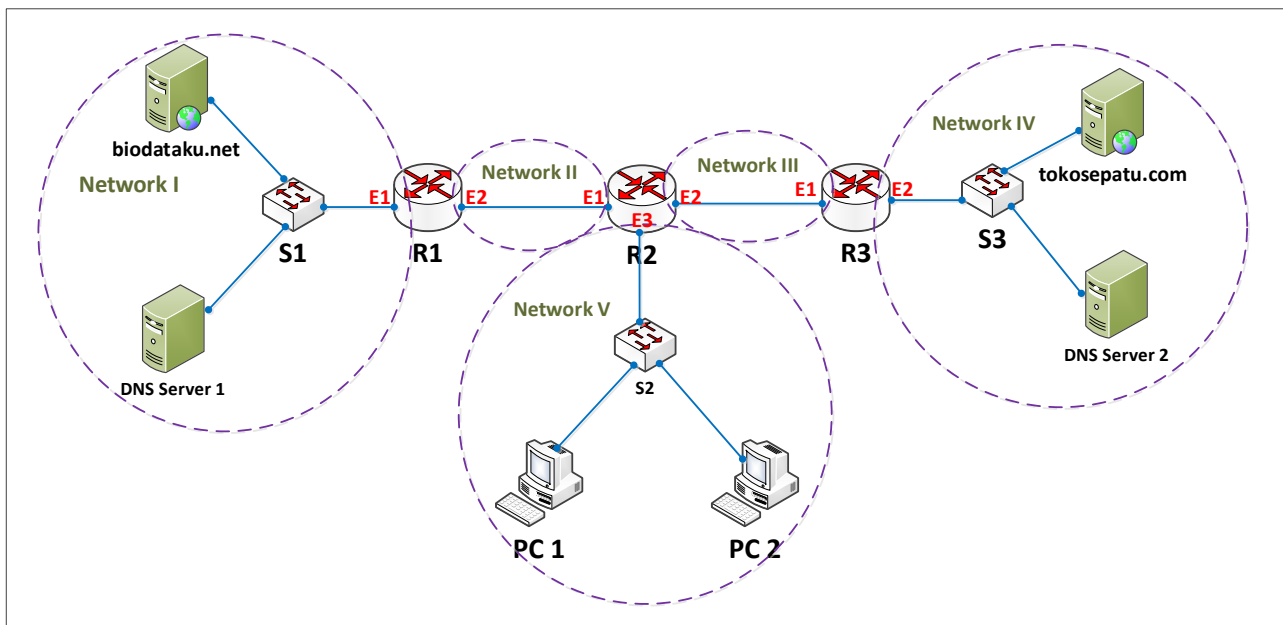
TUGAS JARINGAN KOMPUTER (SIMULASI STATIC ROUTING)

Petunjuk Pengerjaan:

1. Kerjakan soal sesuai dengan digit terakhir NIM masing-masing
2. Simulasikan skema jaringan pada gambar menggunakan Cisco Packet Tracer, simpan dengan file **TugasJarkom_NIM_Nama.pkt**
3. Setelah selesai mengerjakan rename file ini dan convert ke format PDF, simpan dengan nama file **TugasJarkom_NIM_Nama.pdf**
4. Simpan dalam satu folder file **TugasJarkom_NIM_Nama.pdf** dan **TugasJarkom_NIM_Nama.pkt**, kemudian compress dalam format *.RAR atau *.ZIP.
5. Upload ke vclass.unsil.ac.id, sebelum **11-04-2023 Pukul 23:50 WIB**.

Soal:

1. Terdapat skema jaringan seperti pada gambar berikut:



- a. Isilah **Tabel Konfigurasi IP Address Subnet Mask dan Gateway** sesuai dengan skema Gambar di atas dan ketentuan pada tabel berikut :

Digit NIM Terakhir	Network I	Network II	Network III	Network IV	Network V
0	192.168.10.X/24	10.0.0.0/8	150.100.0.0/16	192.168.50.X/24	192.168.100.X/24
1	192.168.11.X/24	11.0.0.0/8	150.110.0.0/16	192.168.51.X/24	192.168.110.X/24
2	192.168.12.X/24	12.0.0.0/8	150.120.0.0/16	192.168.52.X/24	192.168.120.X/24
3	192.168.13.X/24	13.0.0.0/8	150.130.0.0/16	192.168.53.X/24	192.168.130.X/24
4	192.168.14.X/24	14.0.0.0/8	150.140.0.0/16	192.168.54.X/24	192.168.140.X/24
5	192.168.15.X/24	15.0.0.0/8	150.150.0.0/16	192.168.55.X/24	192.168.150.X/24
6	192.168.16.X/24	16.0.0.0/8	150.160.0.0/16	192.168.56.X/24	192.168.160.X/24
7	192.168.17.X/24	17.0.0.0/8	150.170.0.0/16	192.168.57.X/24	192.168.170.X/24
8	192.168.18.X/24	18.0.0.0/8	150.180.0.0/16	192.168.58.X/24	192.168.180.X/24
9	192.168.19.X/24	19.0.0.0/8	150.190.0.0/16	192.168.59.X/24	192.168.190.X/24

- b. Konfigurasi Routing Table pada R1, R2, R3 dengan menggunakan Static Route !
- c. Edit file index.html di Web Server sesuaikan dengan domain Web Server.
- d. Konfigurasi Web Server dan DNS Server agar dapat diakses dari client.

Jawaban**NIM : 217006040****Nama : Alisa Nur Fadillah****Foto :****1. Konfigurasi IP Address Subnet Mask dan Gateway**

Device	IP Address	Subnet Mask	Gateway
Pc0	192.168.100.1	255.255.255.0	192.168.100.3
Pc1	192.168.100.2	255.255.255.0	192.168.100.3
DNS Server1	192.168.10.1	255.255.255.0	192.168.10.3
DNS Server2	192.168.50.1	255.255.255.0	192.168.50.3
Biodataku.net	192.168.10.2	255.255.255.0	192.168.10.3
Tokosepatu.com	192.168.50.2	255.255.255.0	192.168.50.3
R1/E1	192.168.10.3	255.255.255.0	-
R1/E2	10.0.0.1	255.0.0.0	-
R2/E1	10.0.0.2	255.0.0.0	-
R2/E2	150.100.0.1	255.255.0.0	-
R2/E3	192.168.100.3	255.255.255.0	-
R3/E1	150.100.0.2	255.255.0.0	-
R3/E2	192.168.50.3	255.255.255.0	-

2. Konfigurasi Routing Table pada R1, R2, R3 dengan menggunakan Static Route !

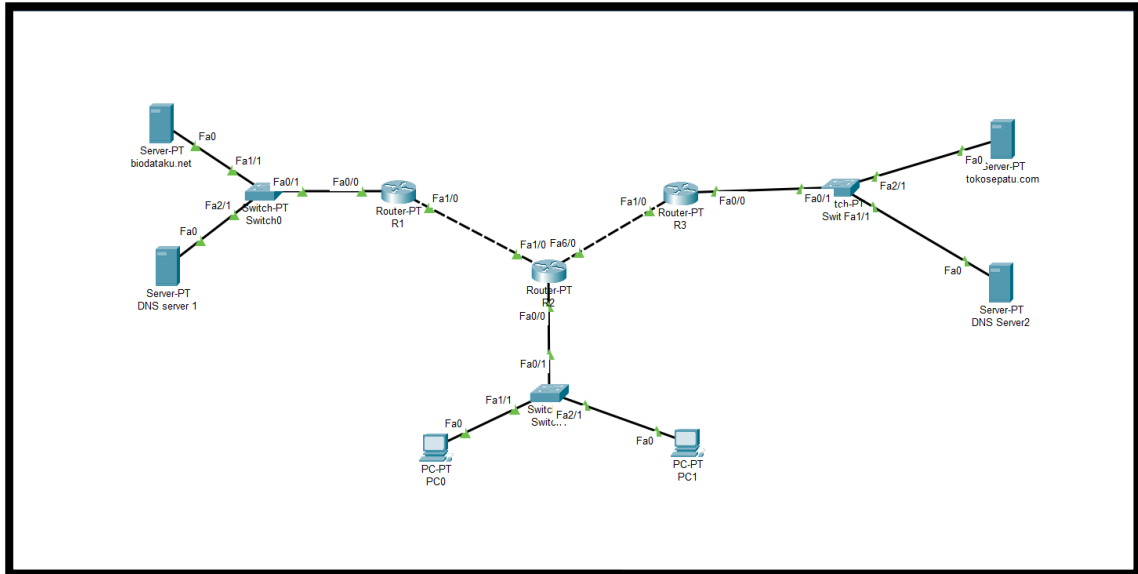
R1			
Network Destination	Subnet Mask	Interface	Next hop Router
192.168.100.0	255.255.255.0	R1/E2	10.0.0.2
192.169.50.0	255.255.255	R1/E2	10.0.0.2
150.100.0.0	255.255.0.0	R1/E2	10.0.0.2

R2			
Network Destination	Subnet Mask	Interface	Next hop Router
192.168.10.0	255.255.255.0	R2/E1	10.0.0.1
192.168.50.0	255.255.255.0	R2/E2	150.100.0.2

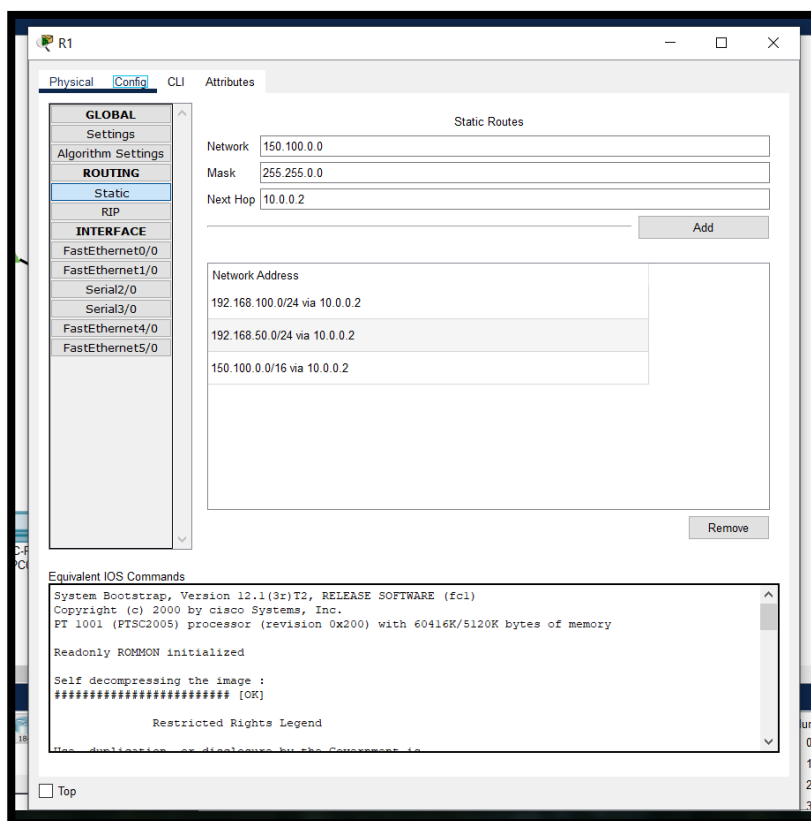
R3			
Network Destination	Subnet Mask	Interface	Next hop Router
192.168.10.0	255.255.255.0	R3/E1	150.100.0.1
192.168.100.0	255.255.255.0	R3/E1	150.100.0.1

100.0.0.0	255.0.0.0	R3/E1	150.100.0.1
-----------	-----------	-------	-------------

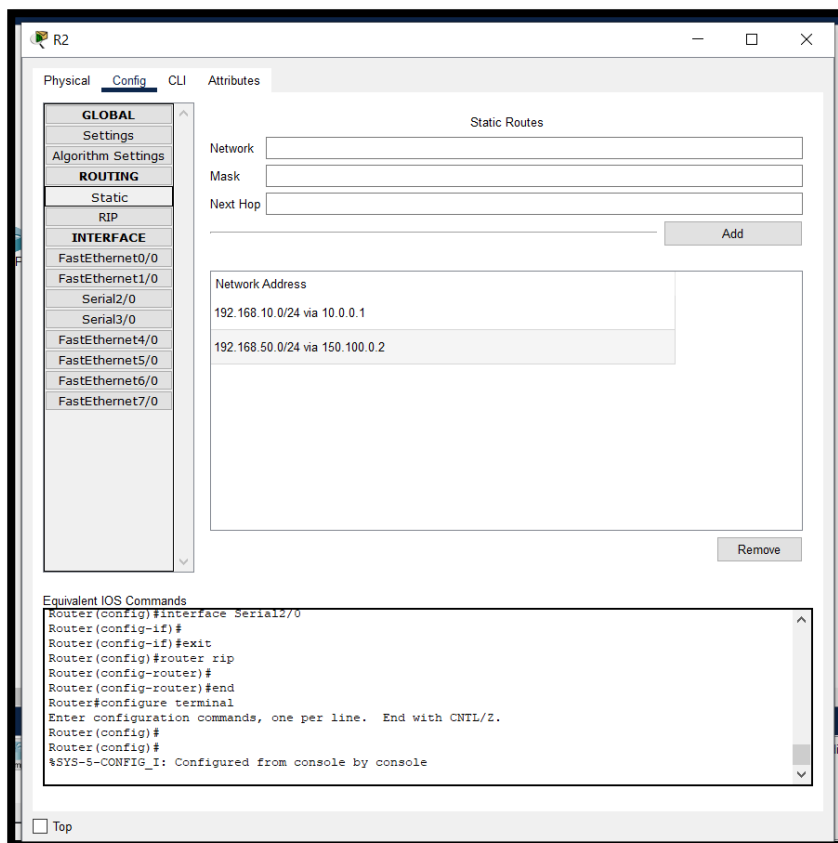
3. Print Screen tampilan skema jaringan yang dibuat menggunakan Cisco Packet Tracer
<tempatkan hasil print screen disini>



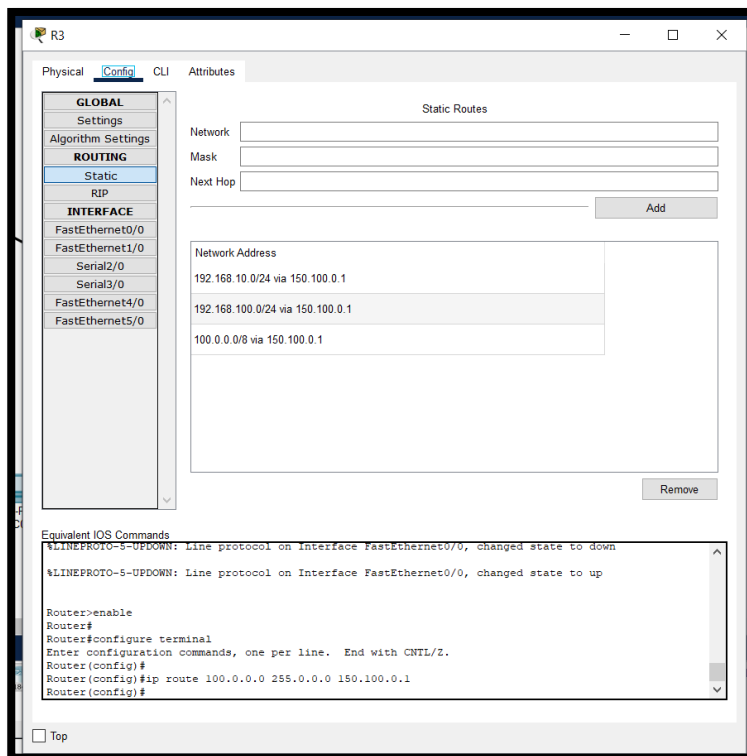
4. Print Screen tampilan konfigurasi Static Routing di Cisco Packet Tracer
<tempatkan hasil print screen disini>



R1

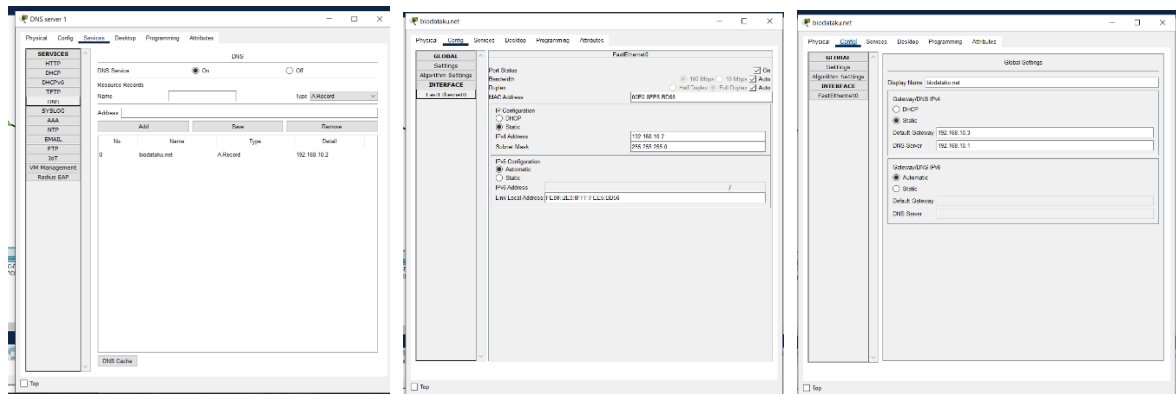


R2

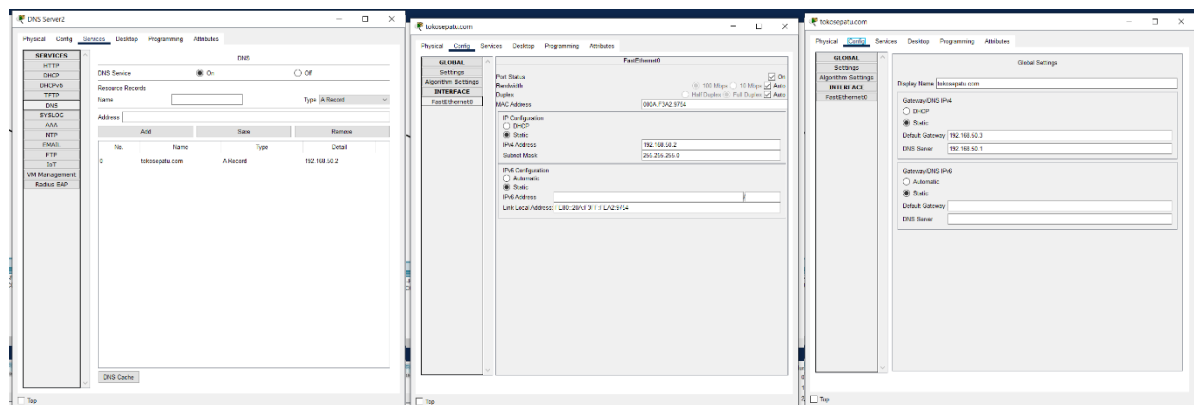


R3

- Print Screen tampilan konfigurasi DNS Server di Cisco Packet Tracer
<tempatkan hasil print screen disini>



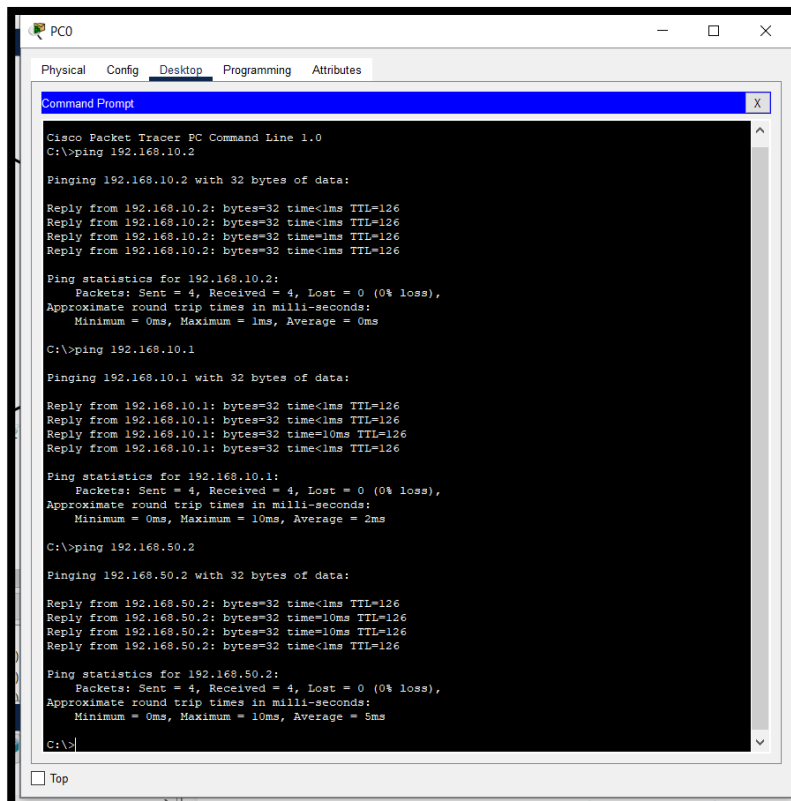
DNS server 1, biodataku.net



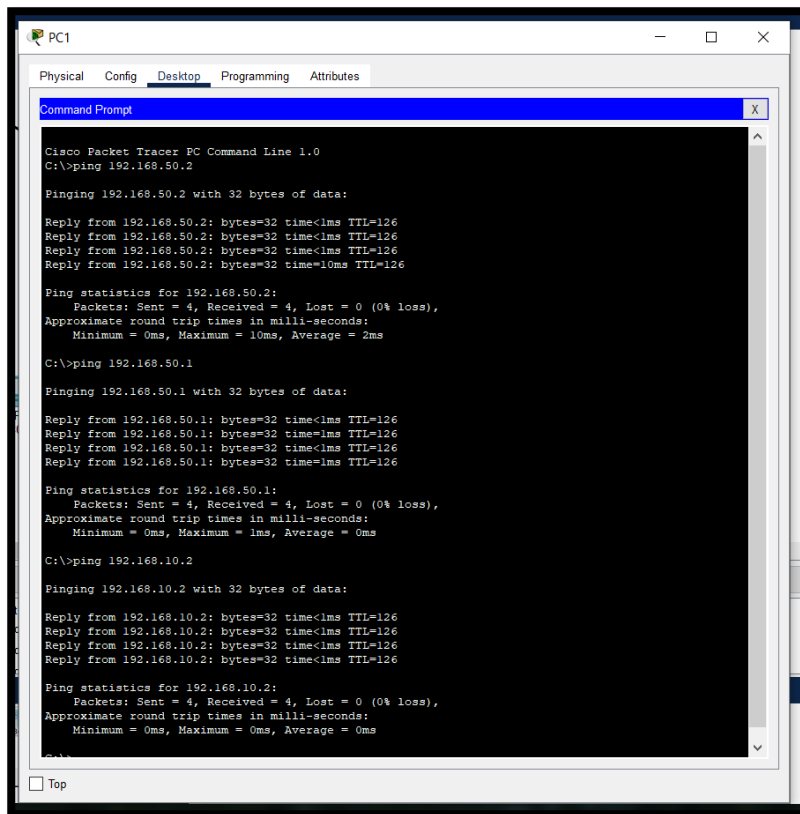
DNS server 2, tokosepatu.com

6. Print screen tampilan uji koneksi menggunakan perintah PING dari PC client ke Web Server

<tempatkan hasil print screen disini>



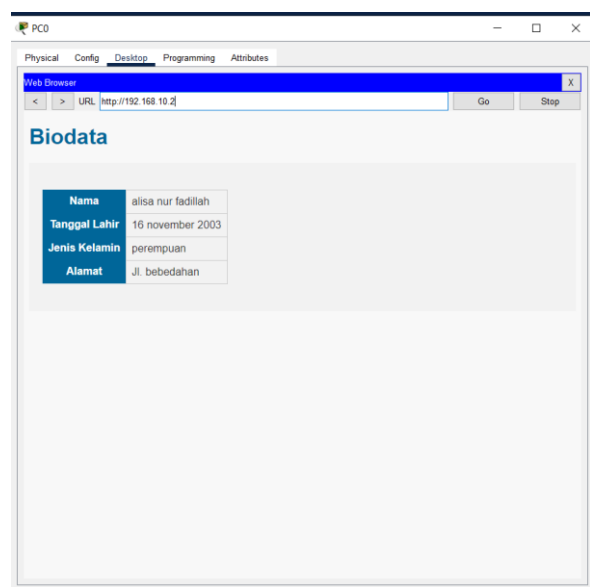
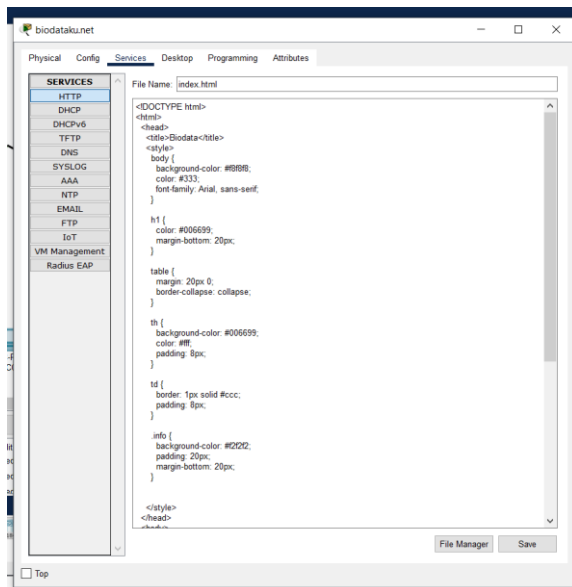
Ping PC 0



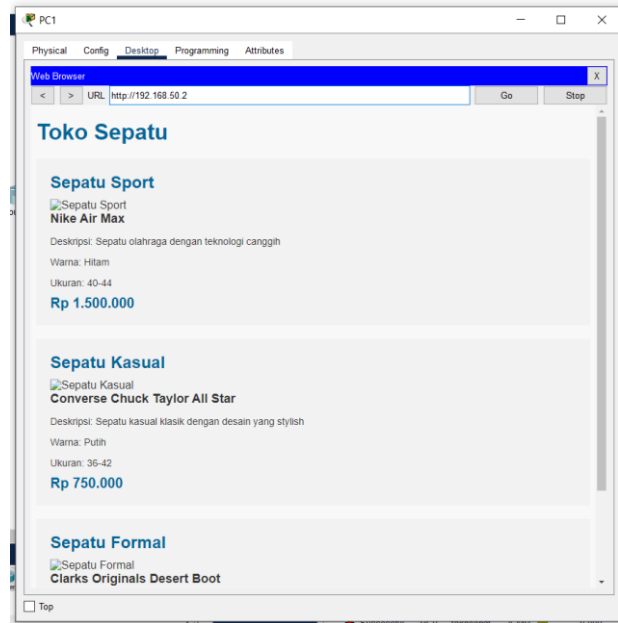
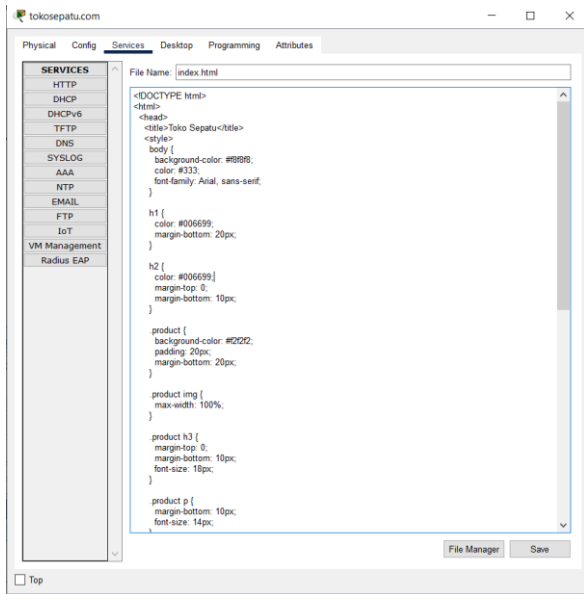
Ping PC1

- Print screen tampilan hasil edit file index.html di setiap Web server

<tempatkan hasil print screen disini>



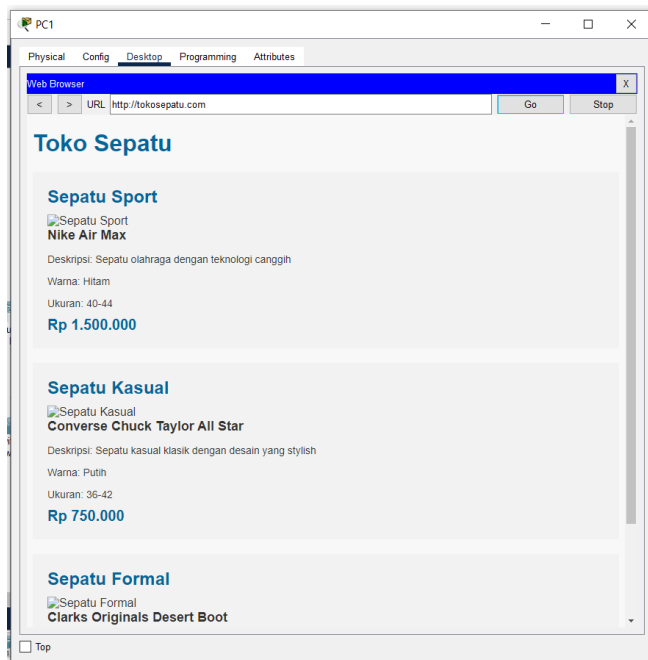
Web ip 192.168.10.2



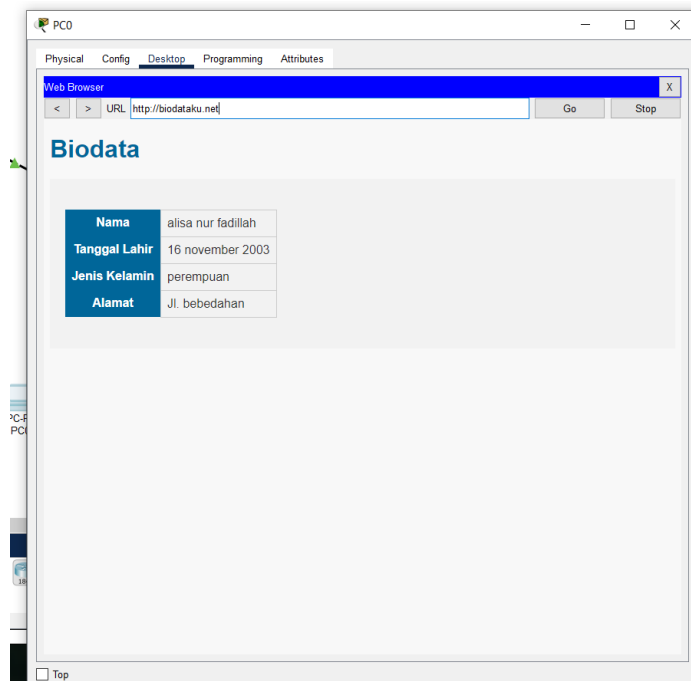
Web ip 192.168.50.2

- Print screen tampilan akses Web Server menggunakan web browser di client yang diakses dengan mengetikkan "domain" di address bar.

<tempatkan hasil print screen disini>



Web tokosepatu.com/ip 192.168.50.2



Web biodataku.net/ip 192..168.10.2