

**LAPORAN PRAKTIKUM JARINGAN KOMPUTER
MODUL 5
“DHCP SERVER DAN WEB SERVER”**



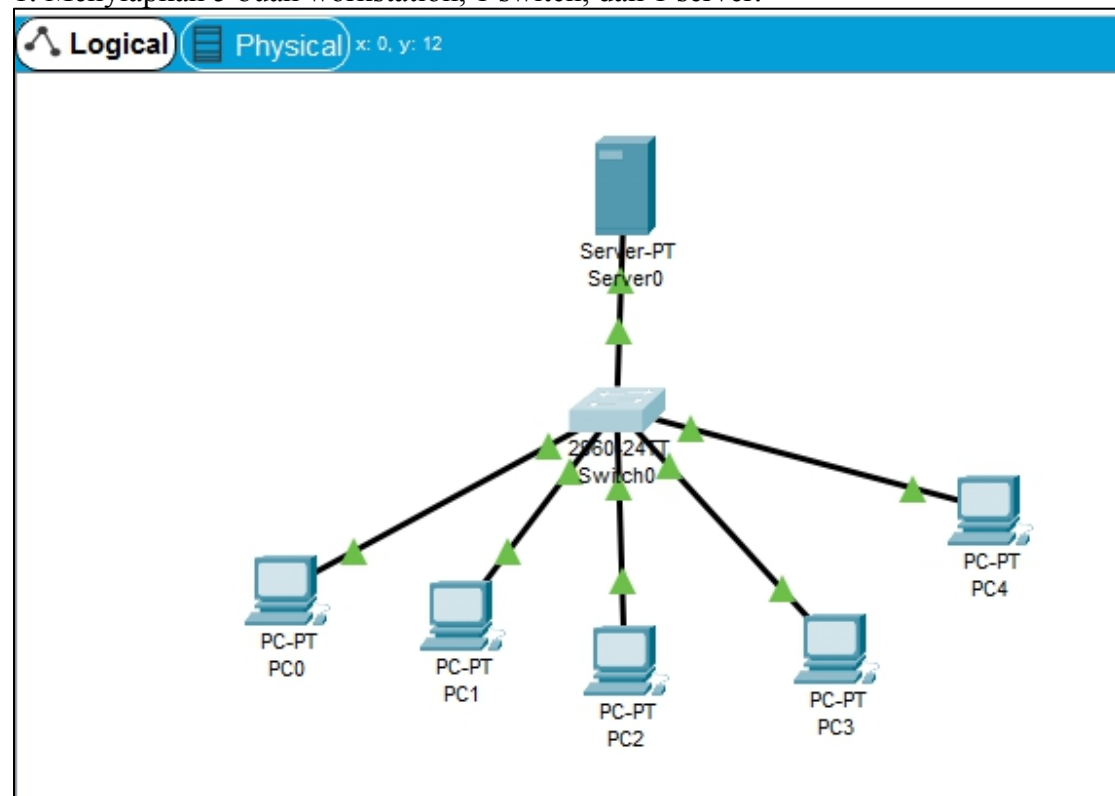
Oleh:

**NAMA : Daffa Putra Alwansyah
NIM : L200190031
KELAS : A
PRODI : INFORMATIKA**

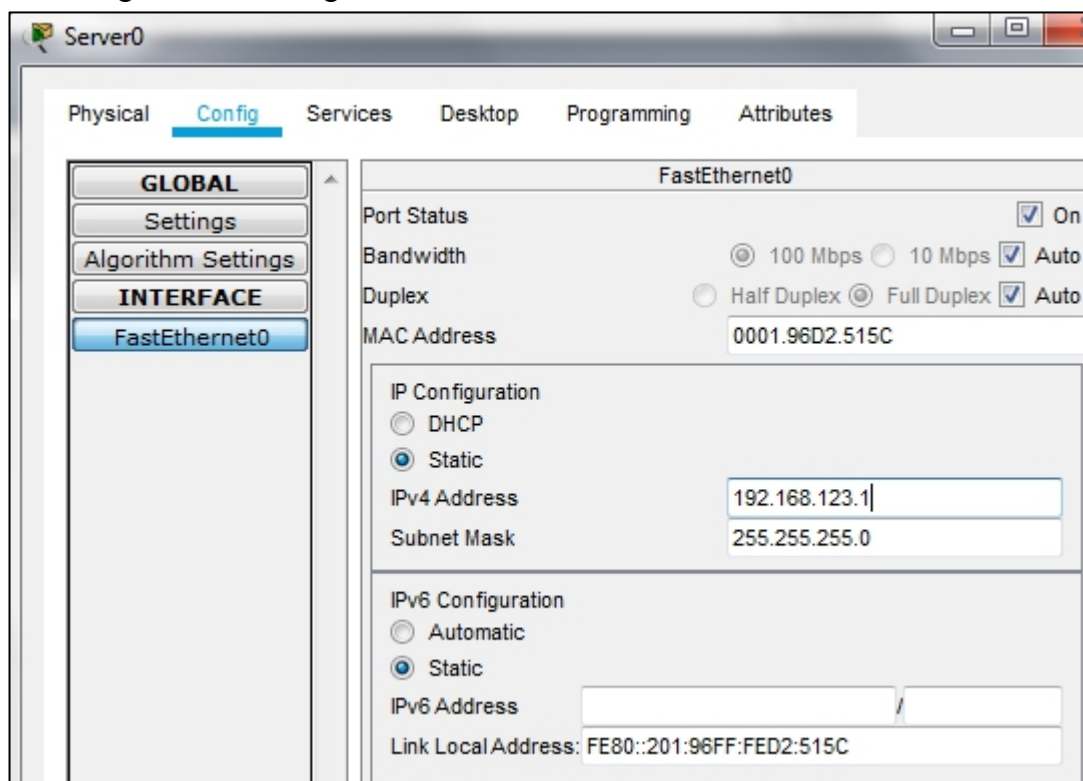
**Fakultas Komunikasi dan Informatika Universitas
Muhammadiyah Surakarta**

1. PRAKTIKUM 1 MEMBUAT DHCP SERVER

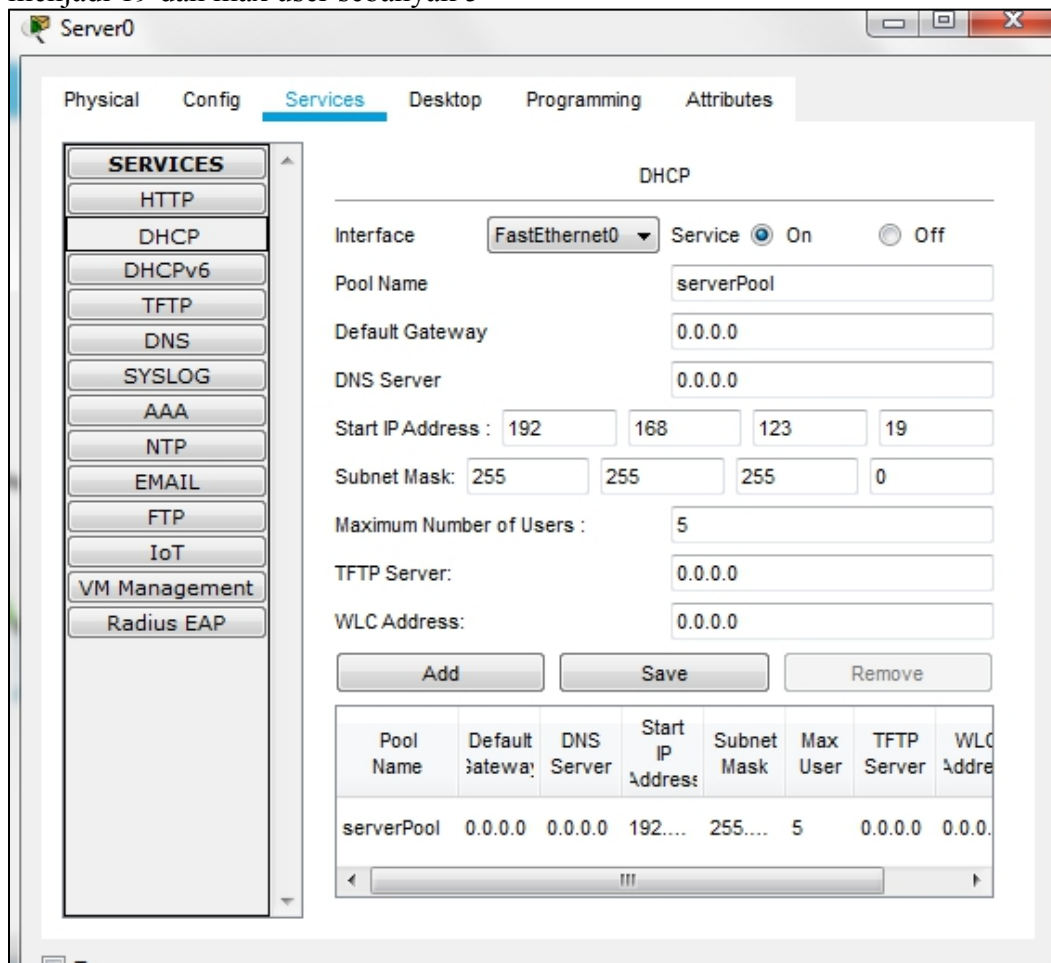
1. Menyiapkan 5 buah workstation, 1 switch, dan 1 server.



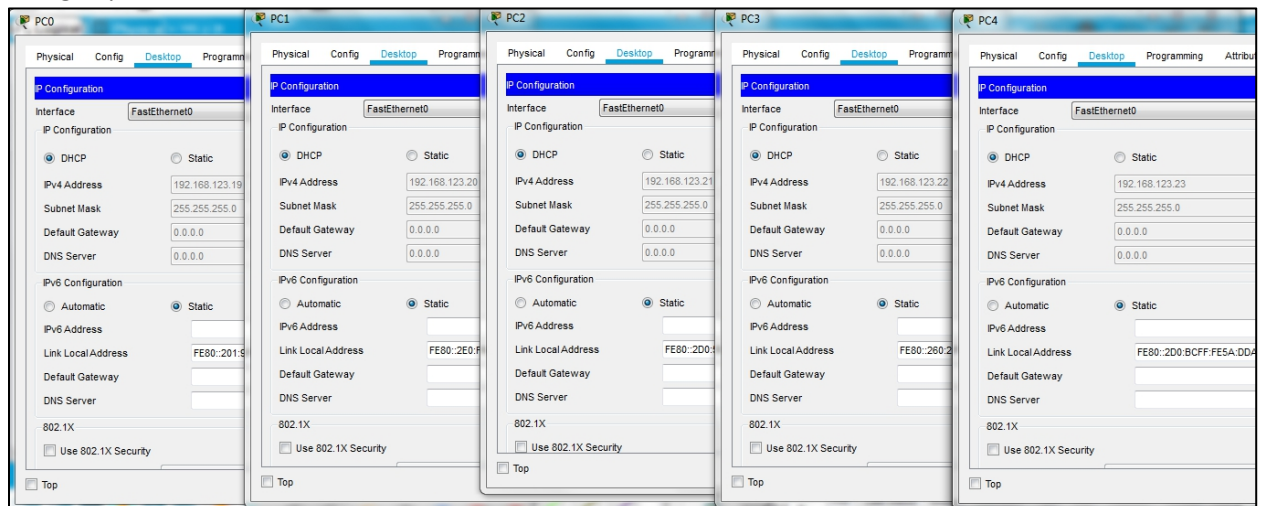
2. Config "Server0" dengan IP 192.168.123.1 dan subnet mask 255.255.255.0



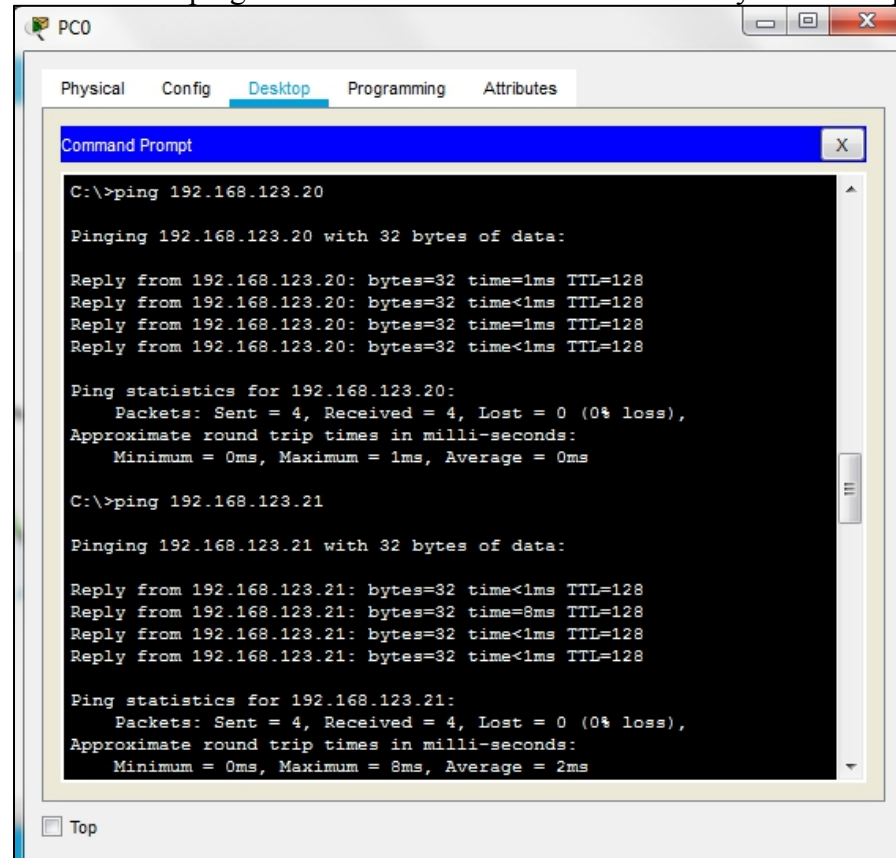
3. Setelah itu klik “Services” lalu aktifkan Service “Off ke On”, setting start ip menjadi 19 dan max user sebanyak 5



4. Setelah itu setting PC0-PC4 dengan masuk ke “Desktop” lalu ubah “Static ke DHCP”.



5. Setelah itu ping PC0 ke semua PC1-PC4. maka hasilnya akan “Reply from...”.



The screenshot shows a Windows-style window titled "PC0" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a "Command Prompt" window. The command prompt shows the execution of two ping commands. The first command is "C:\>ping 192.168.123.20", which results in four successful replies from 192.168.123.20 with 32 bytes of data, each taking less than 1ms. The statistics show 4 packets sent, 4 received, 0 lost, with a minimum round trip time of 0ms, maximum of 1ms, and average of 0ms. The second command is "C:\>ping 192.168.123.21", which also results in four successful replies from 192.168.123.21 with 32 bytes of data. The statistics show 4 packets sent, 4 received, 0 lost, with a minimum round trip time of 0ms, maximum of 8ms, and average of 2ms.

```
C:\>ping 192.168.123.20

Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128

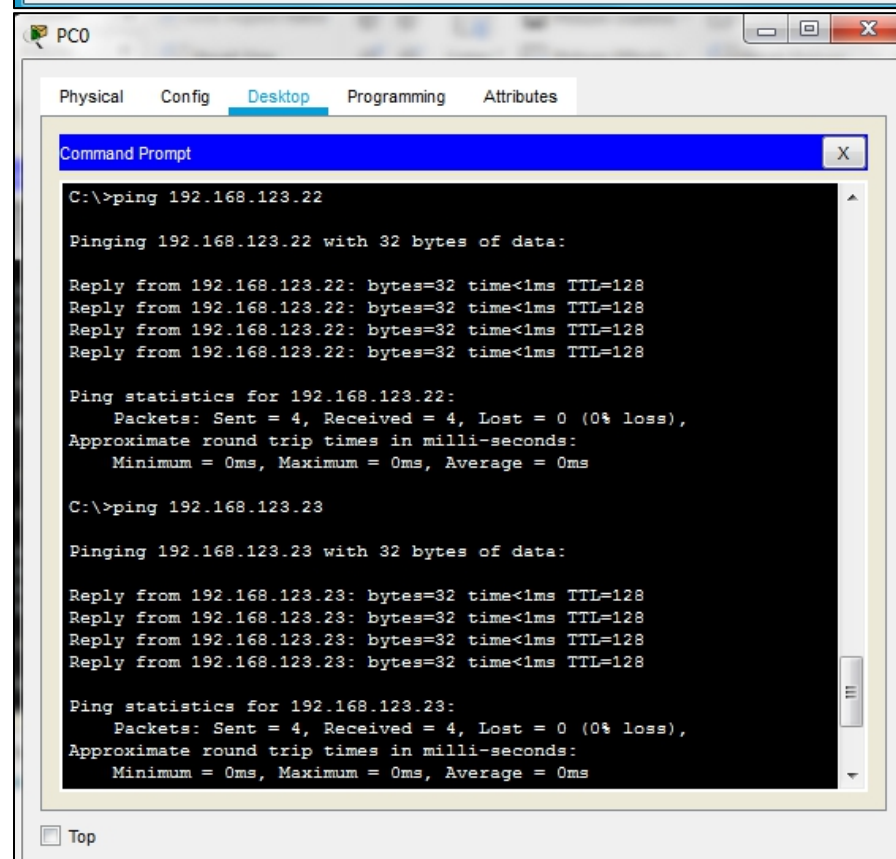
Ping statistics for 192.168.123.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time=8ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 2ms
```



The screenshot shows a Windows-style window titled "PC0" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a "Command Prompt" window. The command prompt shows the execution of two ping commands. The first command is "C:\>ping 192.168.123.22", which results in four successful replies from 192.168.123.22 with 32 bytes of data, each taking less than 1ms. The statistics show 4 packets sent, 4 received, 0 lost, with a minimum round trip time of 0ms, maximum of 0ms, and average of 0ms. The second command is "C:\>ping 192.168.123.23", which also results in four successful replies from 192.168.123.23 with 32 bytes of data, each taking less than 1ms. The statistics show 4 packets sent, 4 received, 0 lost, with a minimum round trip time of 0ms, maximum of 0ms, and average of 0ms.

```
C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.123.23

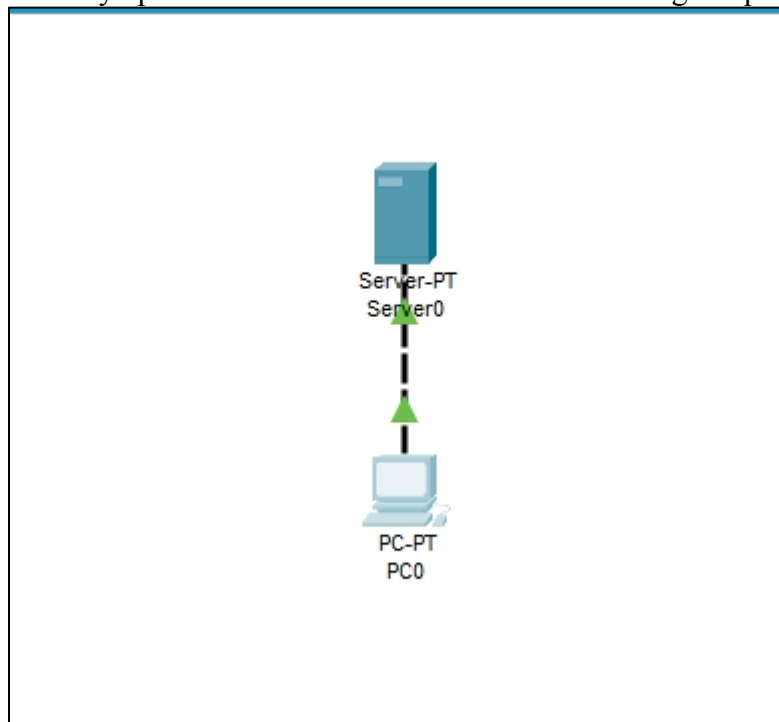
Pinging 192.168.123.23 with 32 bytes of data:

Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128

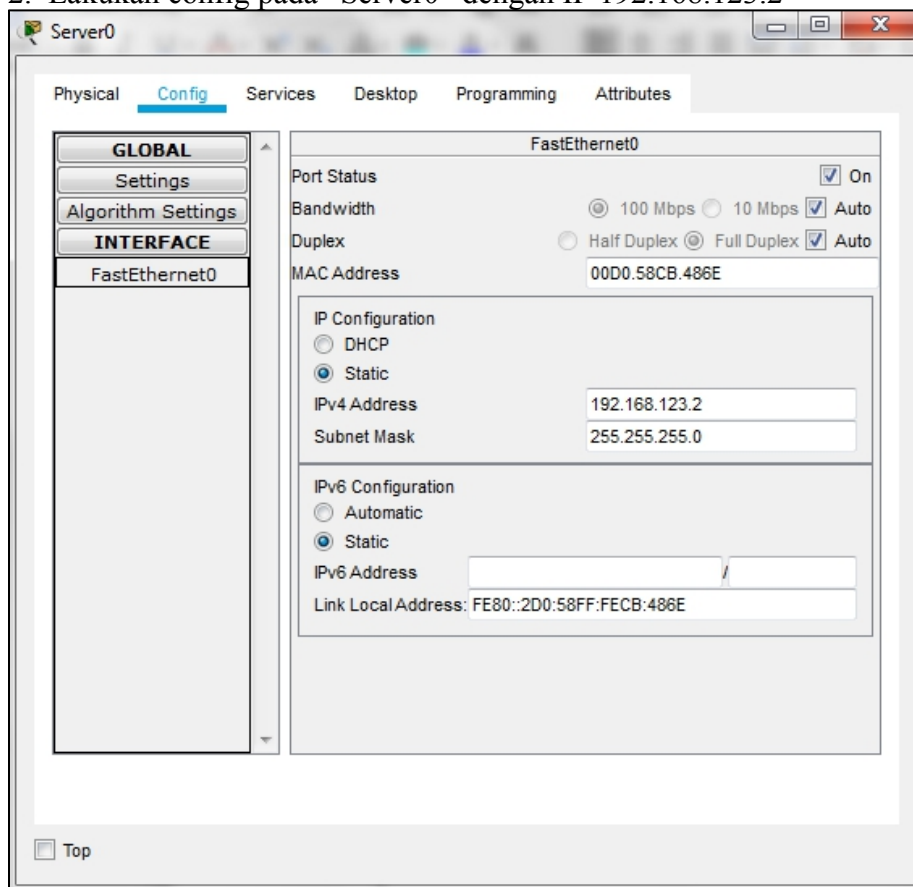
Ping statistics for 192.168.123.23:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

2. PRAKTIKUM 2 MEMBUAT WEB SERVER

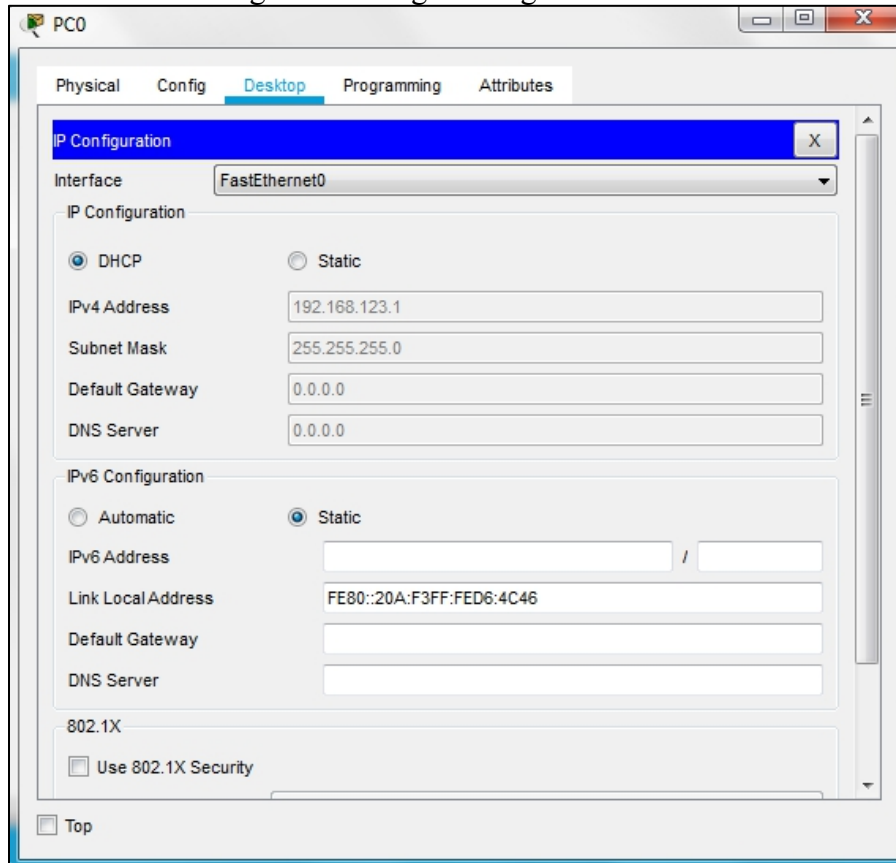
1. Menyiapkan 1 buah workstation dan 1 server dengan tipe kabel cross.



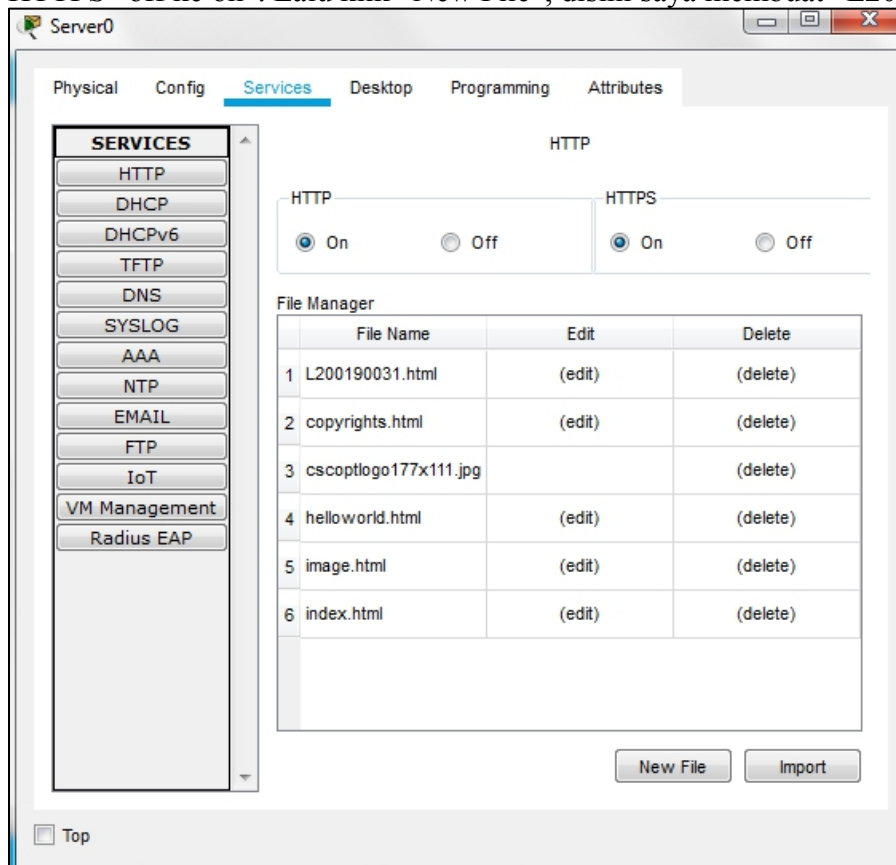
2. Lakukan config pada "Server0" dengan IP 192.168.123.2



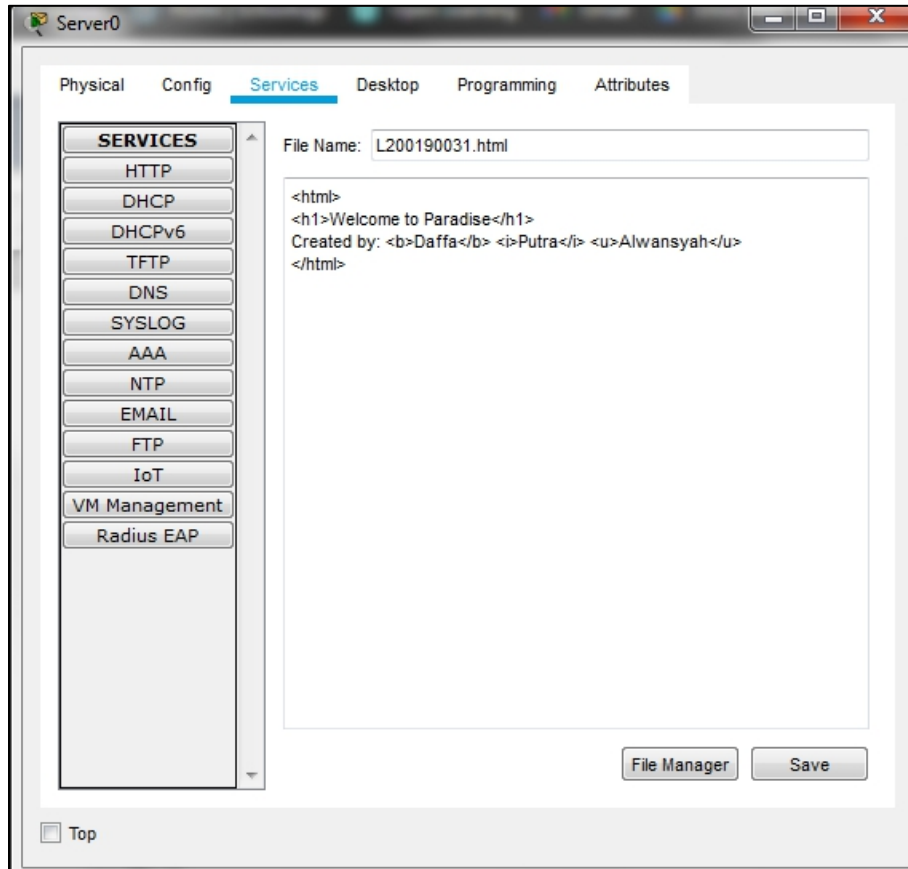
3. Setelah itu config “PC0” dengan mengubah “Static ke DHCP”.



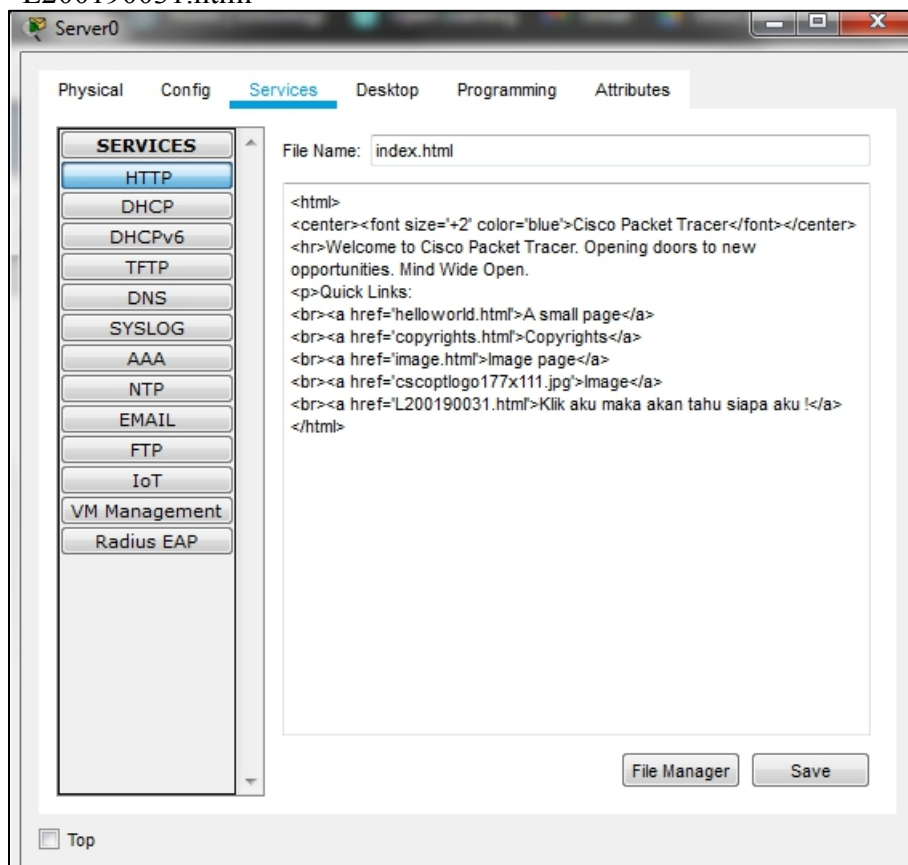
4. Masuk ke “Server0” masuk ke “Services” dan klik “HTTP”, lalu aktifkan HTTP & HTTPS “off ke on”. Lalu klik “New File”, disini saya membuat “L200190031.html”



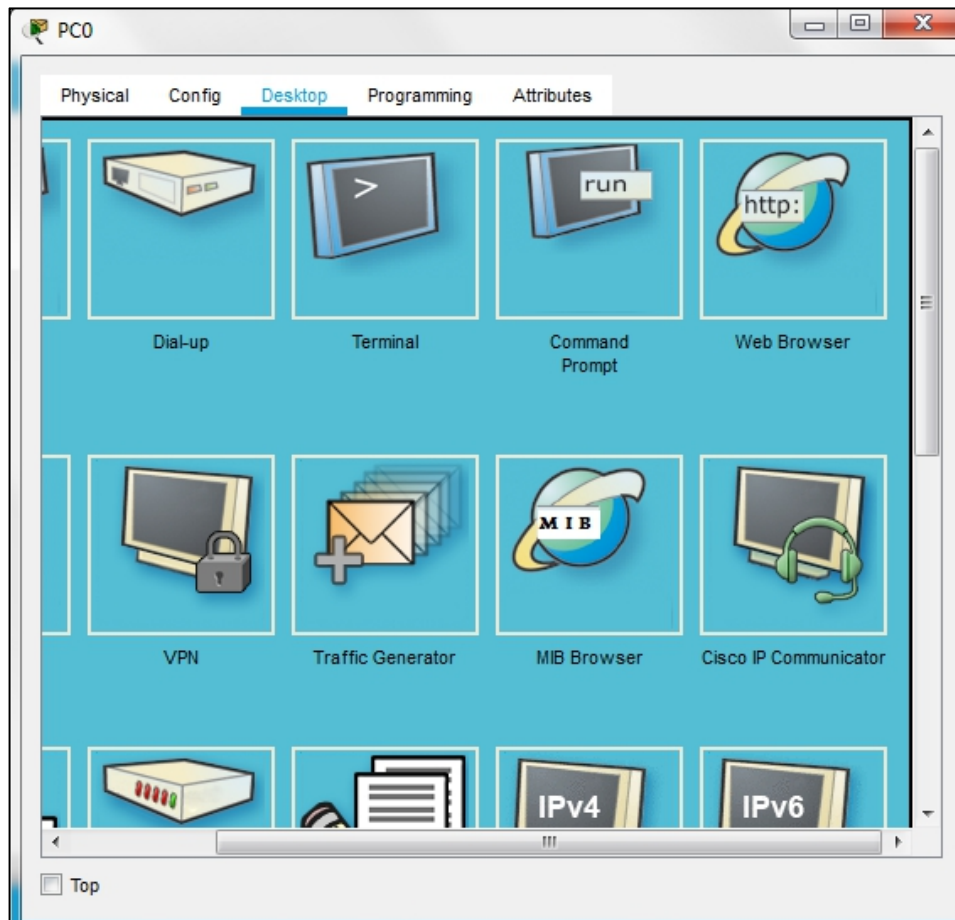
5. Ketikan sesuai di Modul.



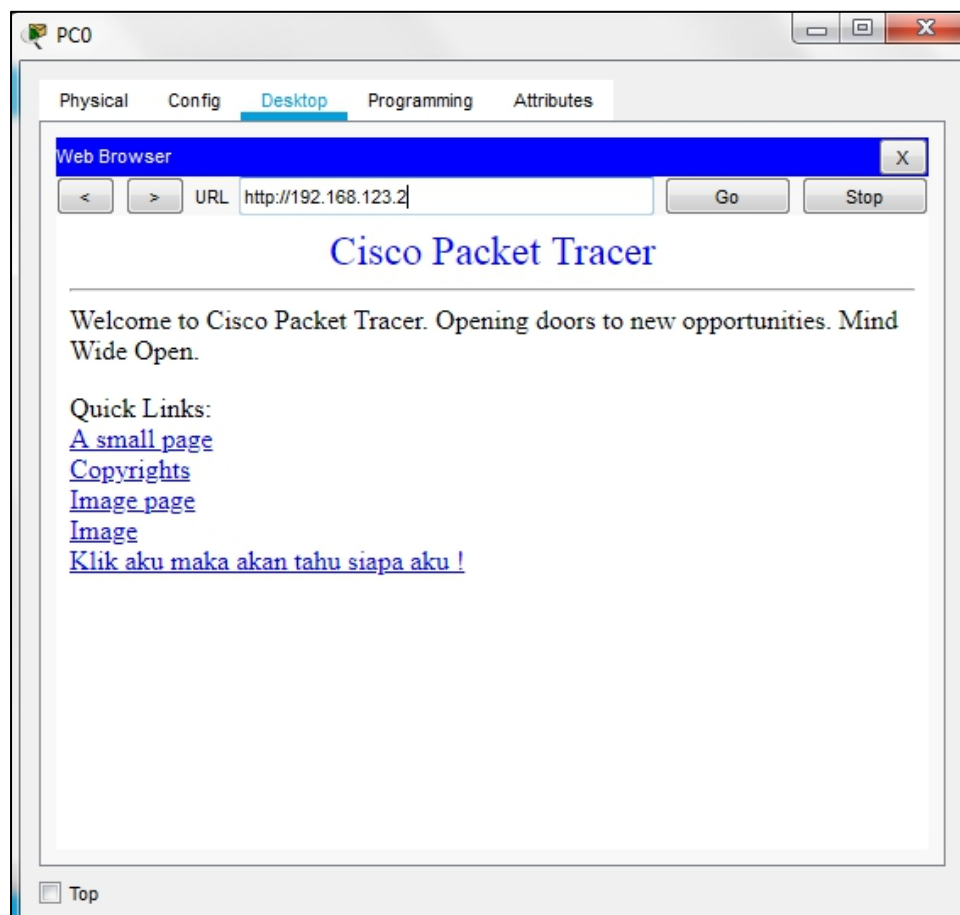
6. Masuk ke “index.html” lalu tambahkan link yang nantinya akan menuju ke “L200190031.html”



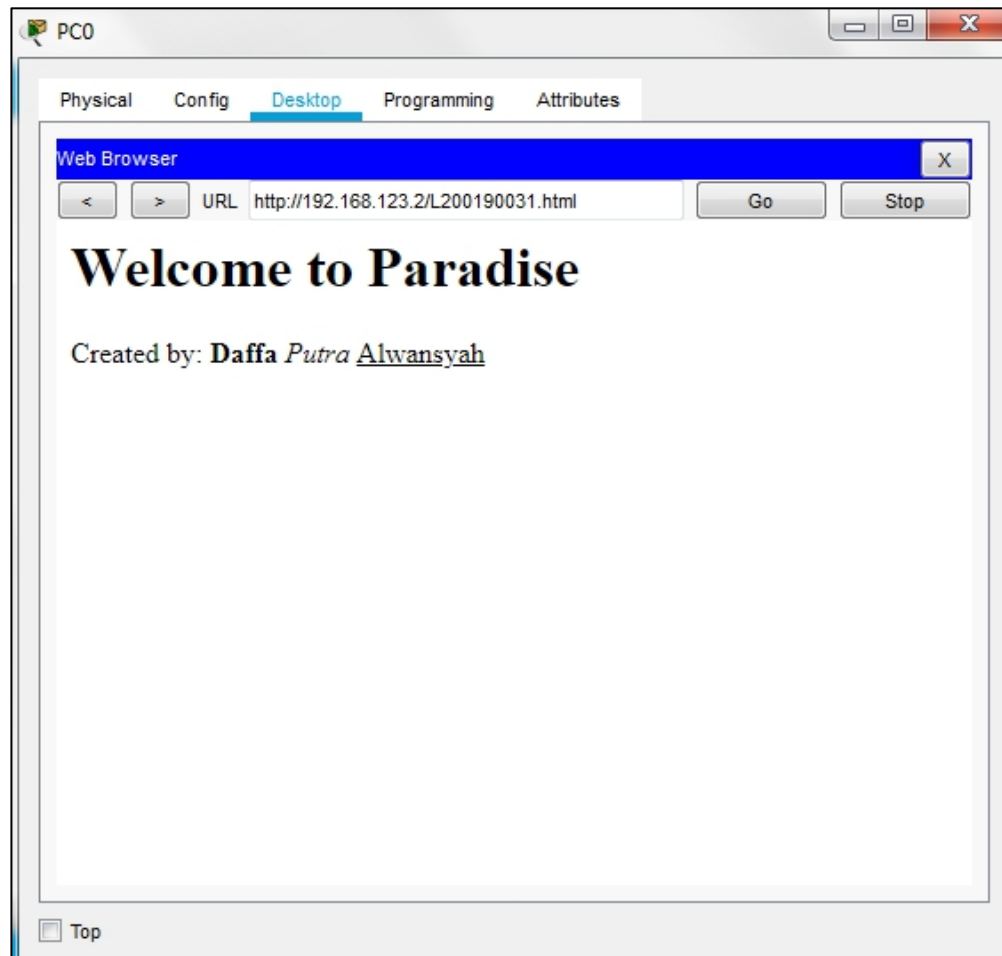
7. Buka “PC0” dan klik “Web Browser”



8. Ketikkan IP 192.168.123.2 dan klik “Klik aku maka akan tahu siapa aku !”

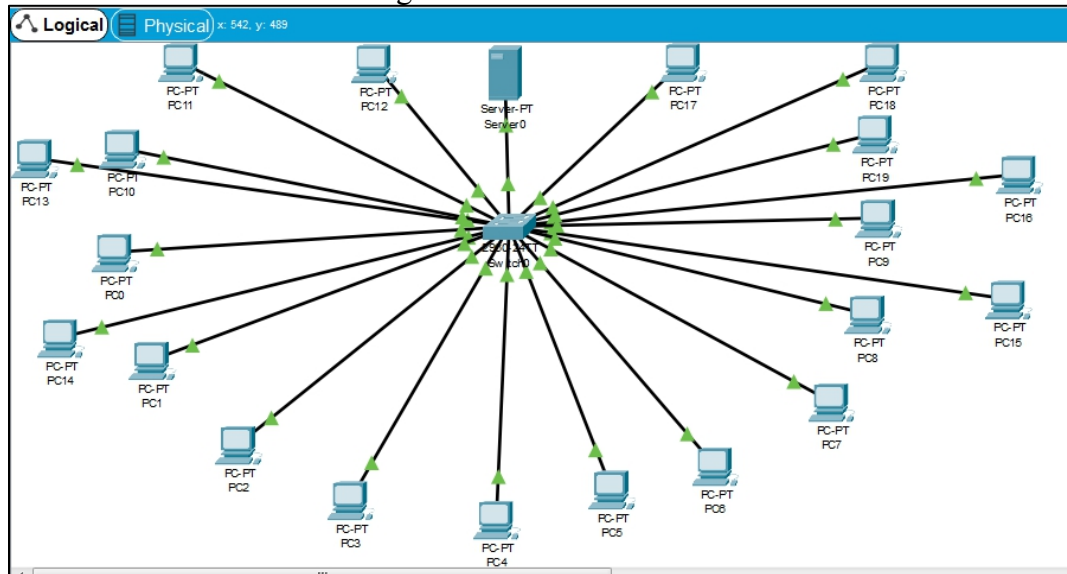


9. Setelah itu munculah tampilan sesuai yang diketikan ada “L200190031.html”

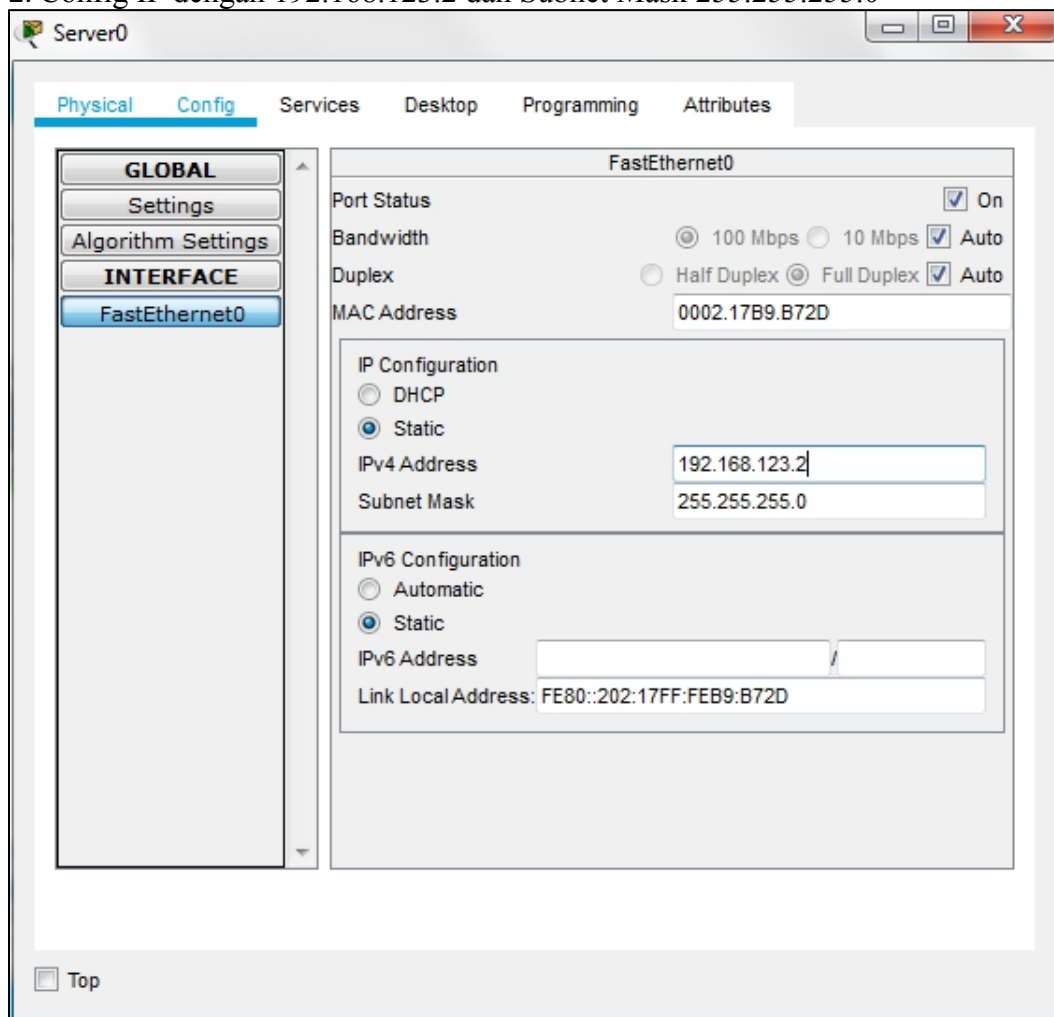


Tugas

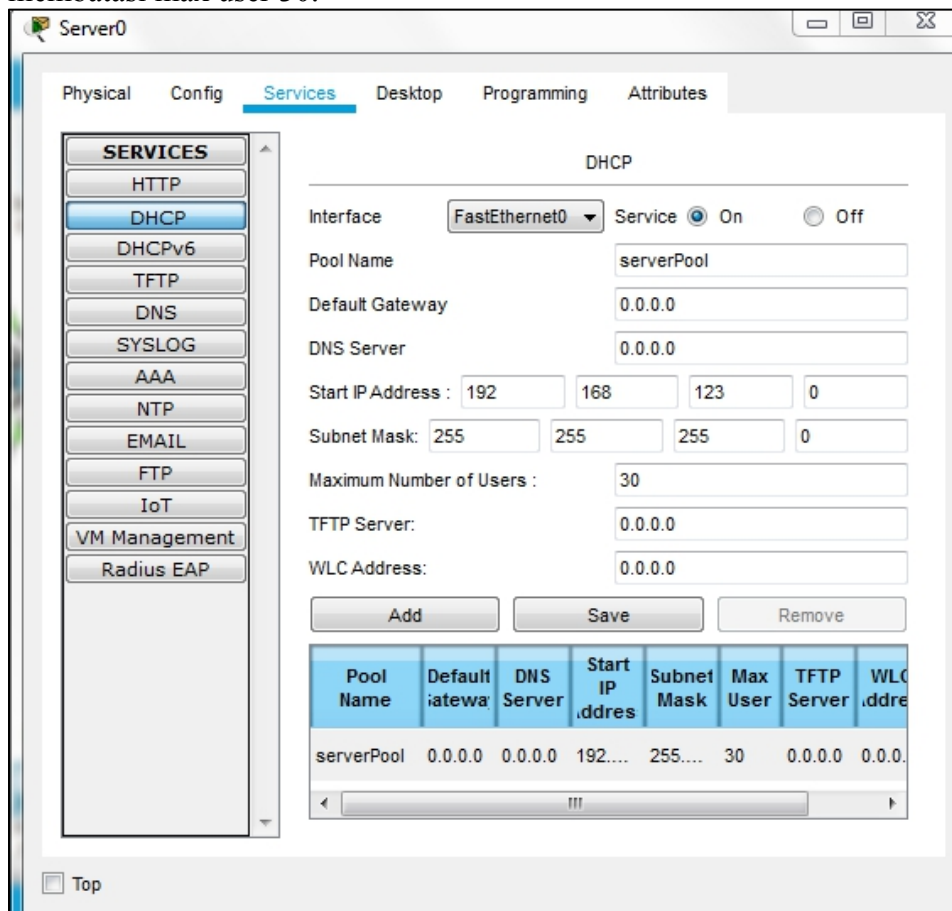
1. Membuat DHCP server dengan 20 PC client.



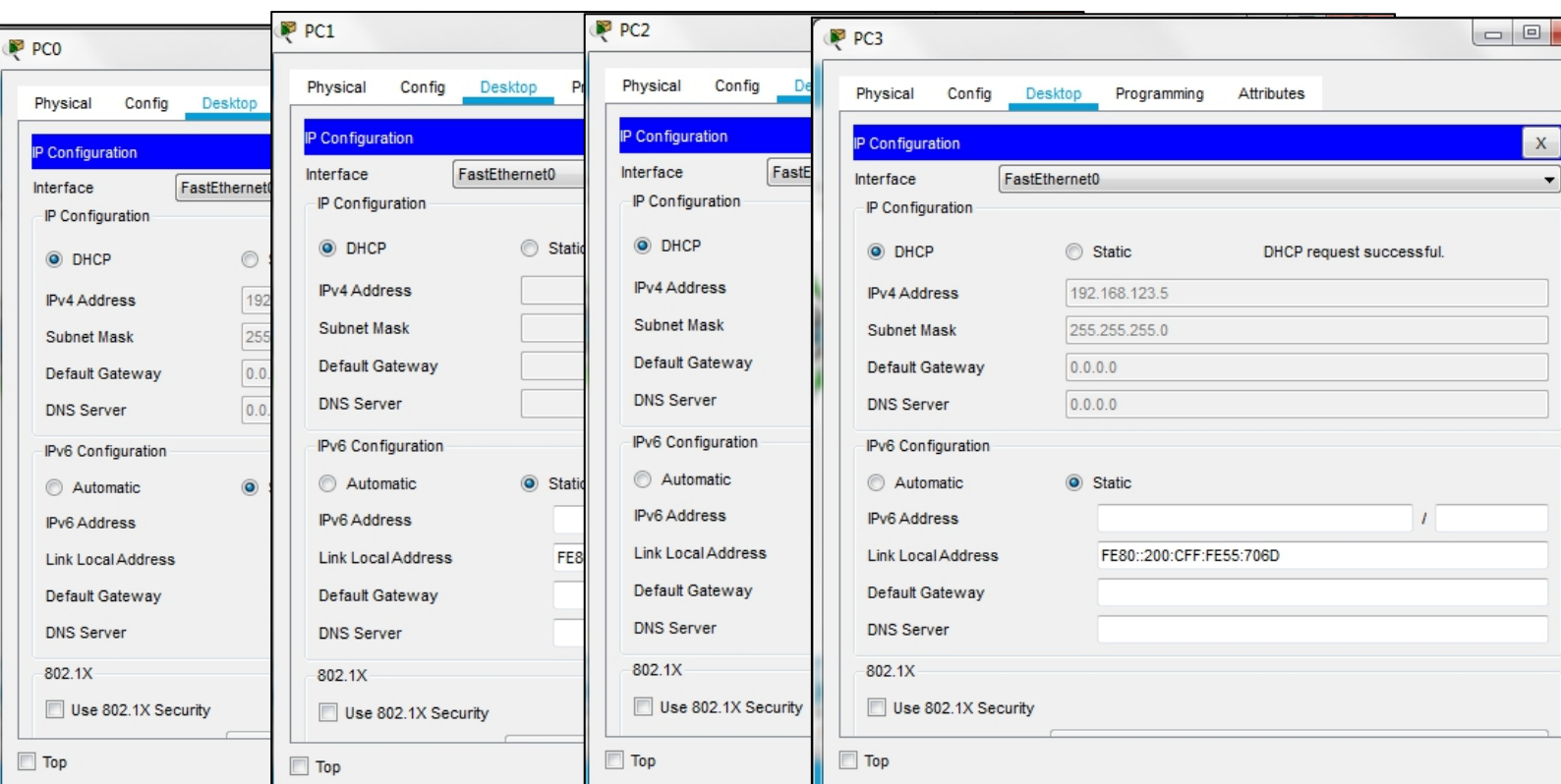
2. Config IP dengan 192.168.123.2 dan Subnet Mask 255.255.255.0



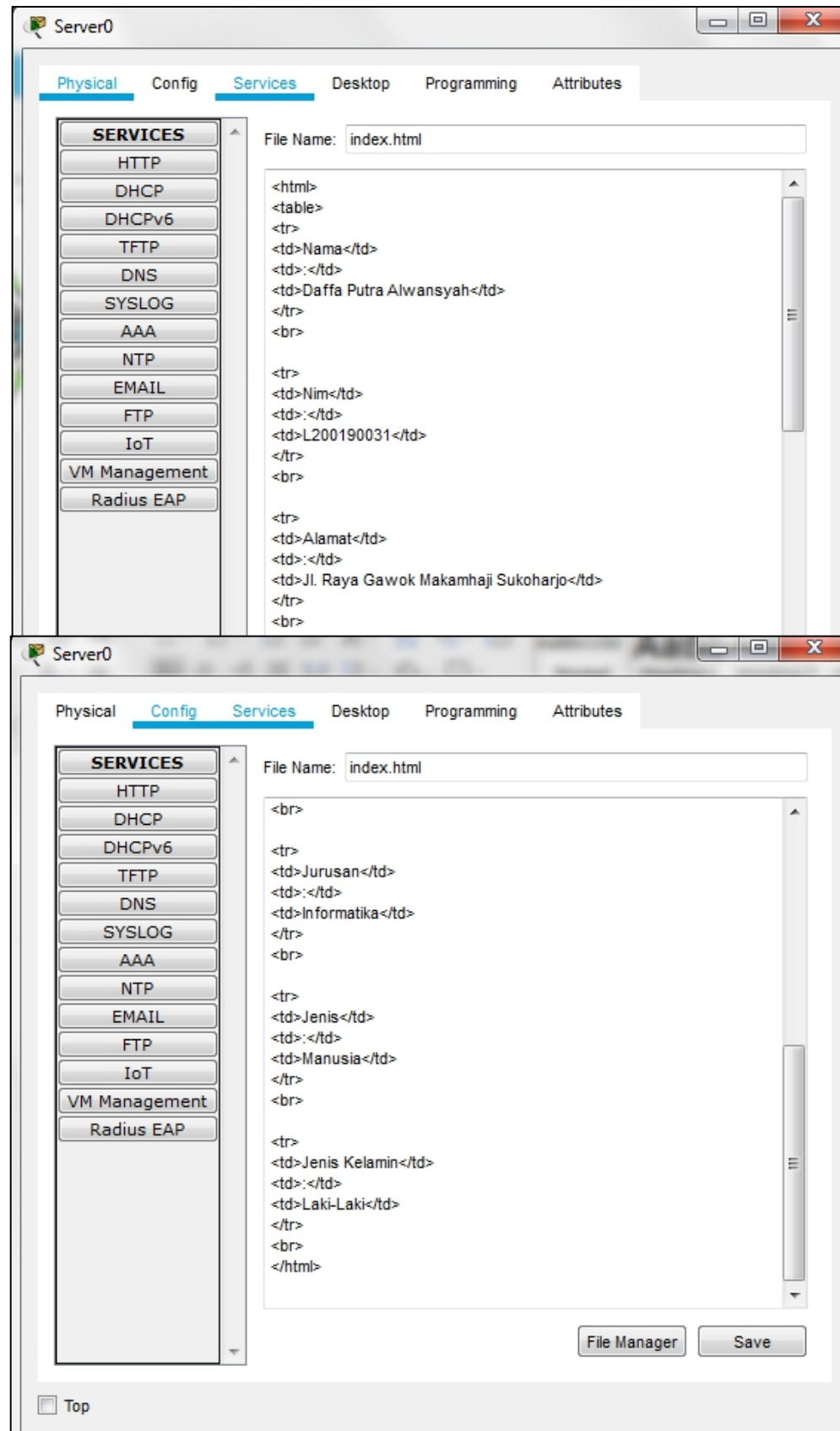
3. Masuk ke “Service” lalu “DHCP”, aktifkan Service “Off ke On”. disini saya membatasi max user 30.



4. Setelah itu setting IP client dengan mengubah “Static ke DHCP”. contoh PC0 sampai PC3.



5. Masuk ke “Server0” lalu “Services”, masuk ke HTTP, ubah ke “ON” dari HTTP dan HTTPS pada kegiatan sebelumnya. Ubah index.html sesuai perintah modul.



6. Masuk pada PC Client, masuk ke “Web Browser” dan ketikkan IP 192.168.123.2 dan lihat hasilnya.

