LAPORAN PRAKTIKUM JARINGAN KOMPUTER
MODUL 2
"PENGENALAN CISCO PACKET TRACER"

Oleh:

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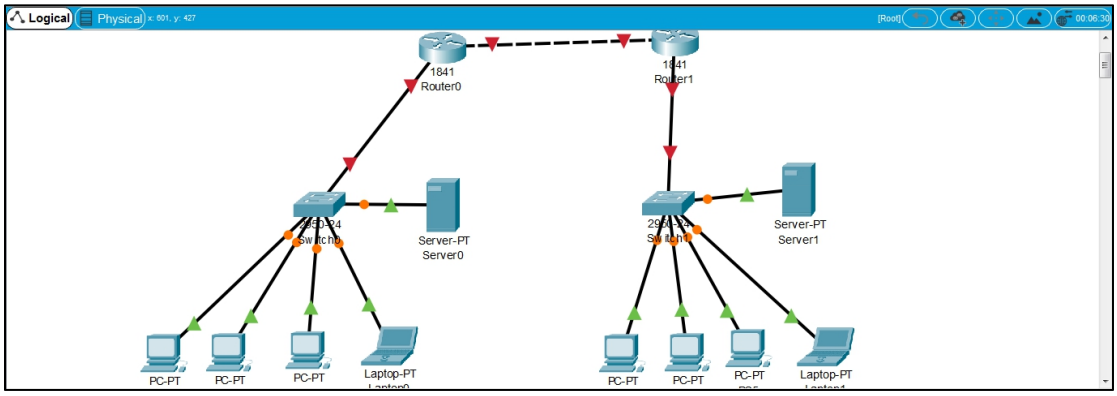
1. Kegiatan 1

Membuat rancangan jaringan komputer.



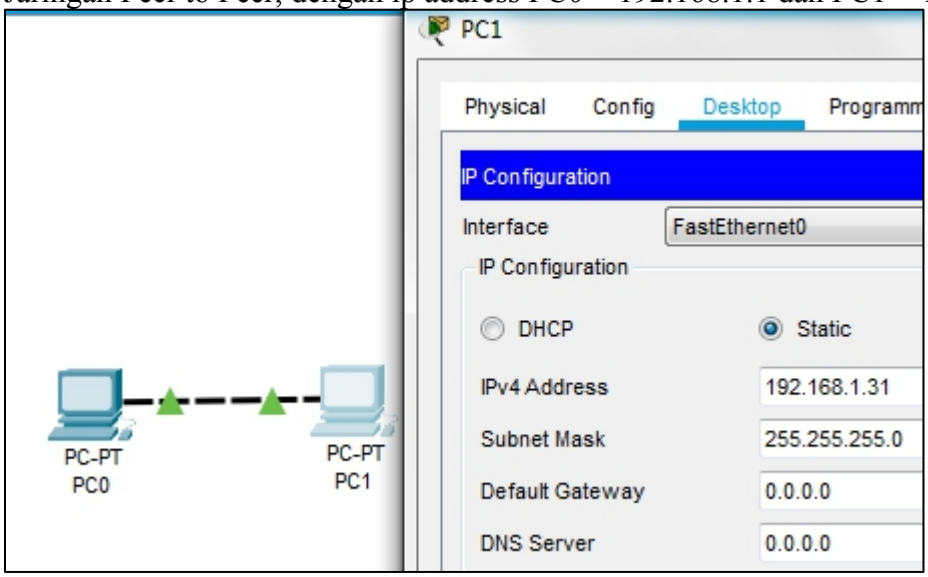
Penjelasan:

A. Terlihat bahwa indikator berwarna merah dari (router-router) dan (router-swtich) yang berarti tidak terhubung.

B. Terlihat bahwa indikator berwarna orange(awalnya) lalu berubah ke hijau dari (switch-server), (switch-pc) dan (switch-laptop) yang berarti orange sedang melakukan instalisasi perangkat dan hijau sudah terhubung.

2. Kegiatan 2 (Membuat Jaringan Peer to Peer.)

Jaringan Peer to Peer, dengan ip address PC0 = 192.168.1.1 dan PC1 = 192.168.1.31

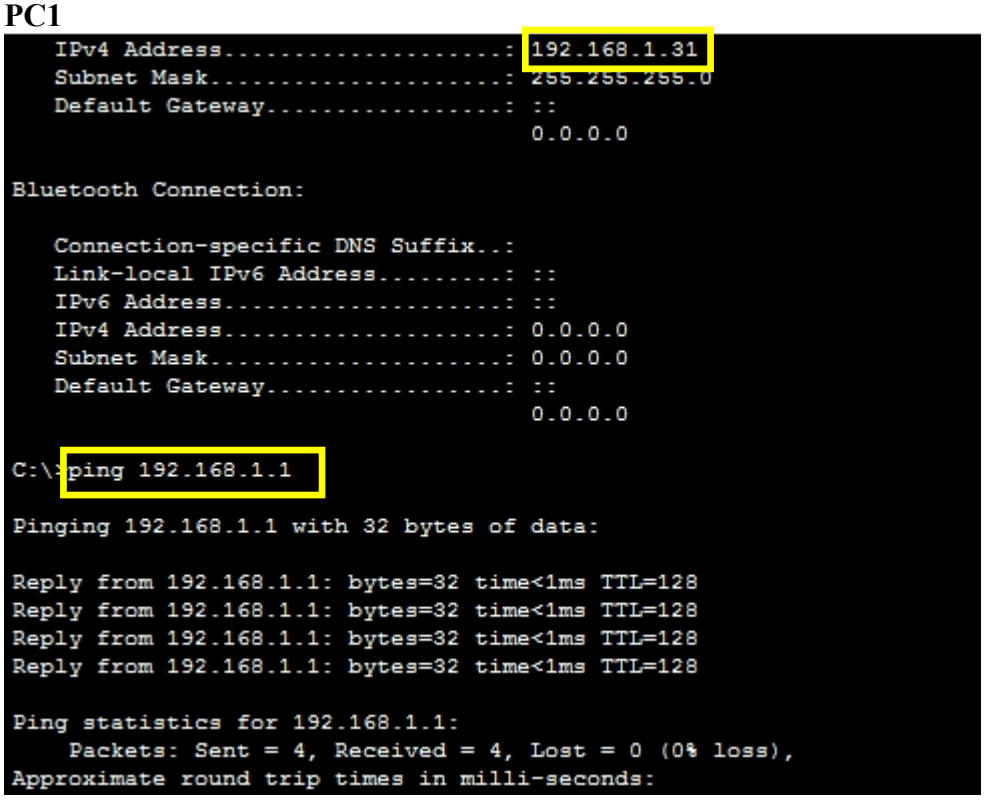


Melakukan ping pada kedua pc:

PC0

```
   IPv4 Address.....................: 192.168.1.1
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: ::
                                     0.0.0.0

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: ::
   IPv6 Address.....................: ::
   IPv4 Address.....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0

C:\>ping 192.168.1.31

Pinging 192.168.1.31 with 32 bytes of data:

Reply from 192.168.1.31: bytes=32 time=1ms TTL=128
Reply from 192.168.1.31: bytes=32 time<1ms TTL=128
Reply from 192.168.1.31: bytes=32 time=1ms TTL=128
Reply from 192.168.1.31: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.31:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
```

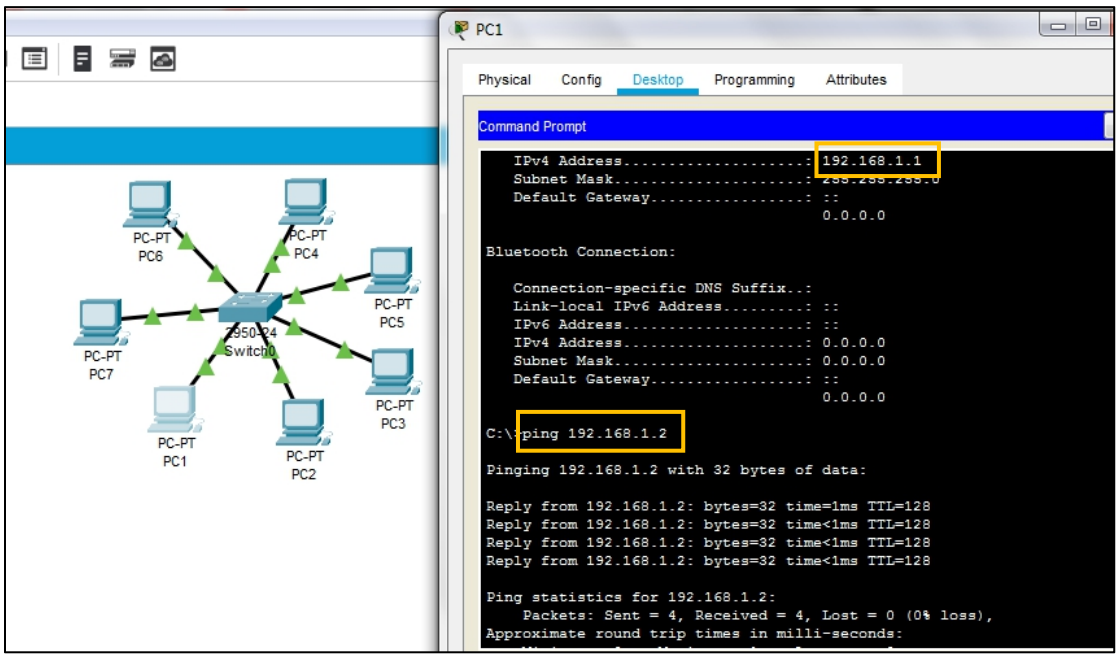
PC1


IPv4 Address. . . . . : 192.168.1.31
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : ::
0.0.0.0
Bluetooth Connection:
Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : ::
IPv6 Address. . . . . : ::
IPv4 Address. . . . . : 0.0.0.0
Subnet Mask . . . . . : 0.0.0.0
Default Gateway . . . . . : ::
0.0.0.0
C:\>ping 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

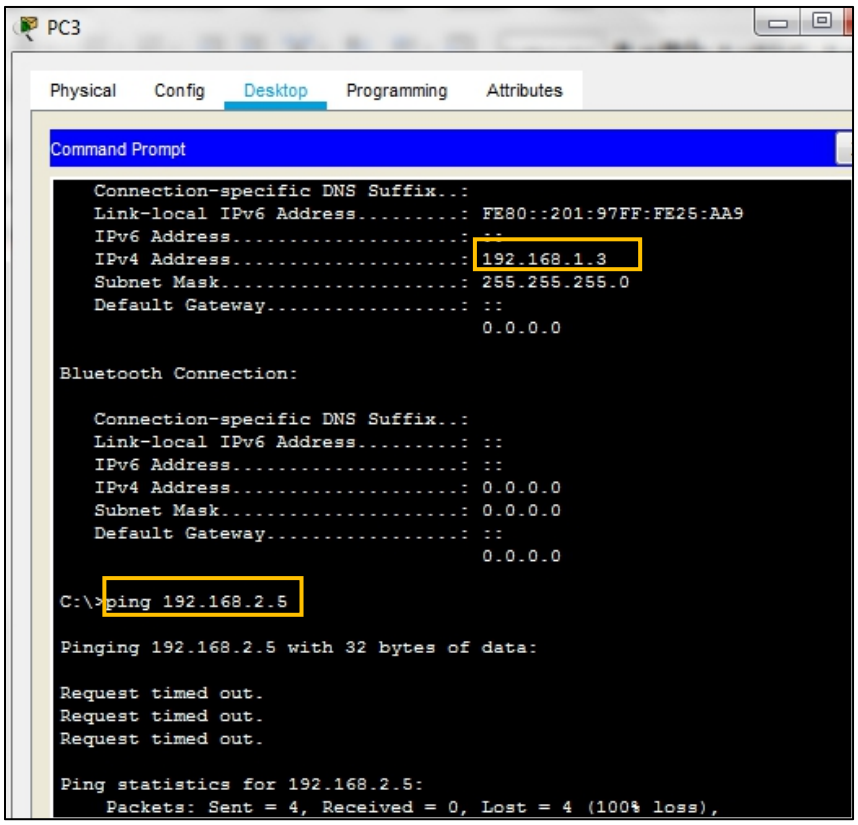
3. Kegiatan 3. (membuat jaringan dengan switch)

PC1=192.168.1.1 PC7=192.168.2.7 PC6=192.168.2.6
PC4=192.168.1.4 PC3=192.168.1.3 PC5=192.168.2.5
PC2=192.168.1.2

PC1 ke PC2:



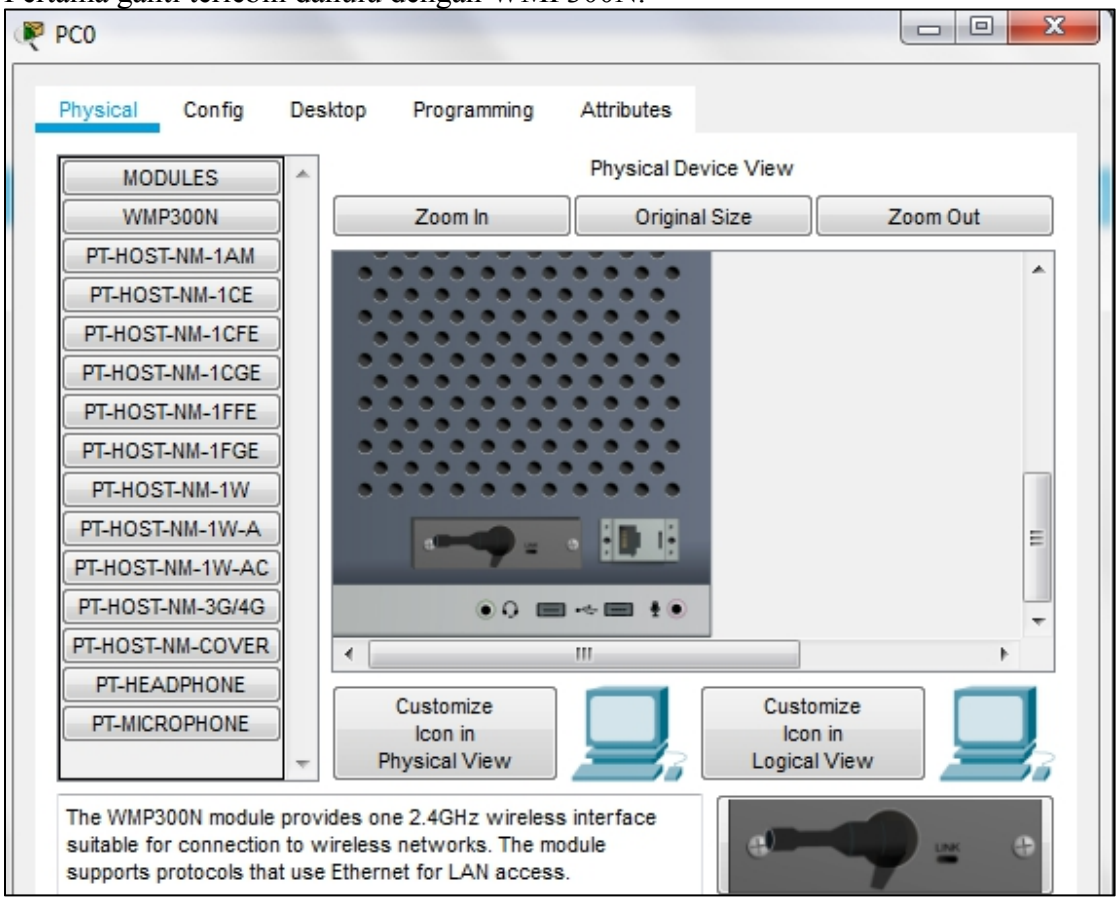
PC3 ke PC5:



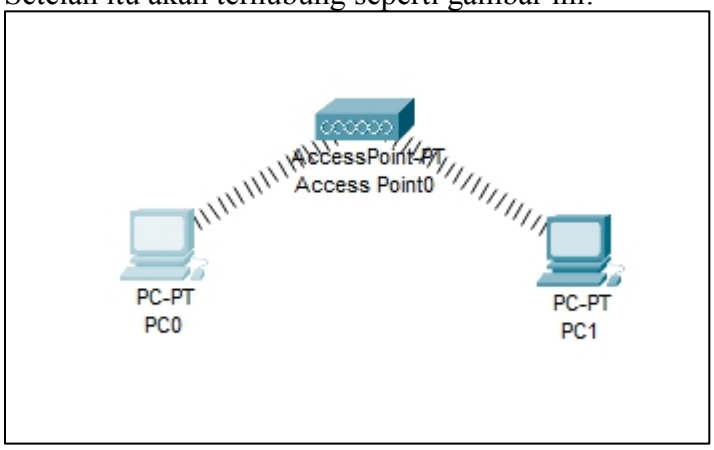
Penjelasan:
-PC1 ke PC2 dapat berjalan karena memiliki ip address yang sama.
-PC3 ke PC5 mengalami RTO karena memiliki ip address yang berbeda 192.168.1.3 dengan 192.168.2.5

4. Kegiatan 4. Jaringan Nirkabel

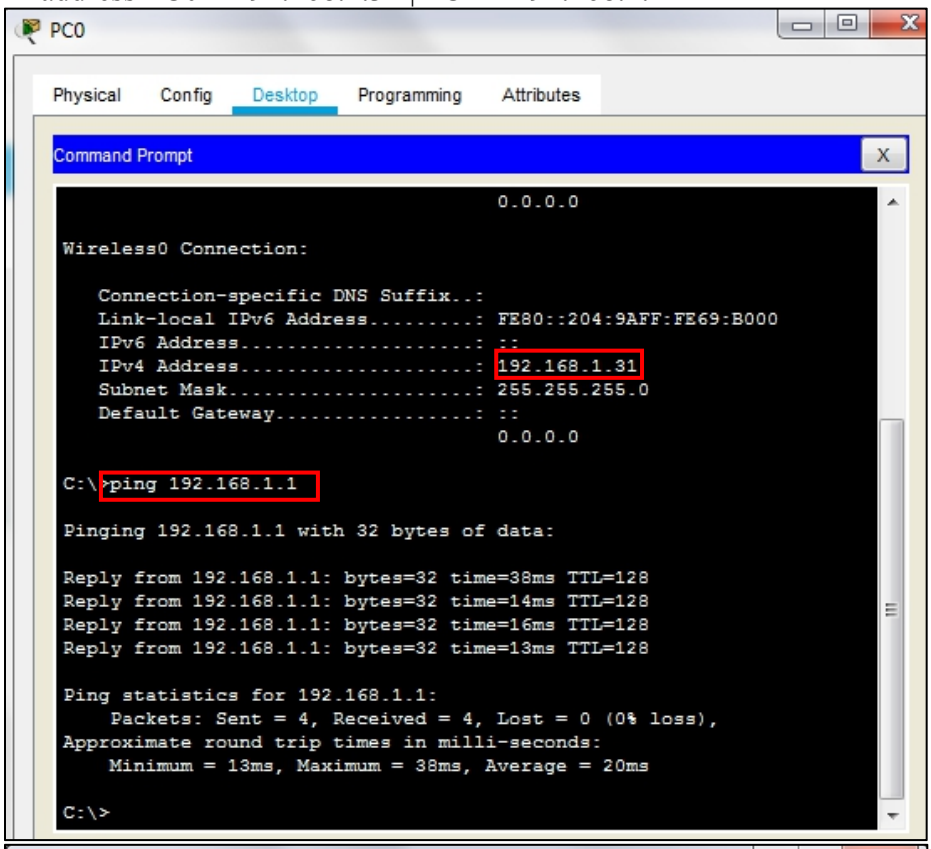
Pertama ganti terlebih dahulu dengan WMP300N.

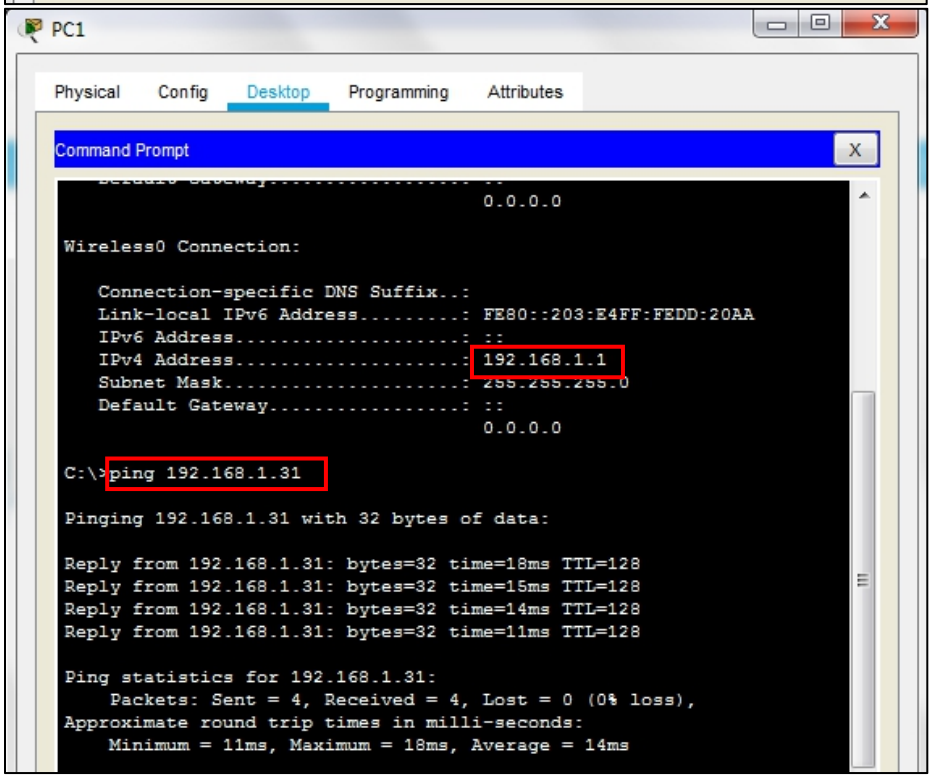


Setelah itu akan terhubung seperti gambar ini:



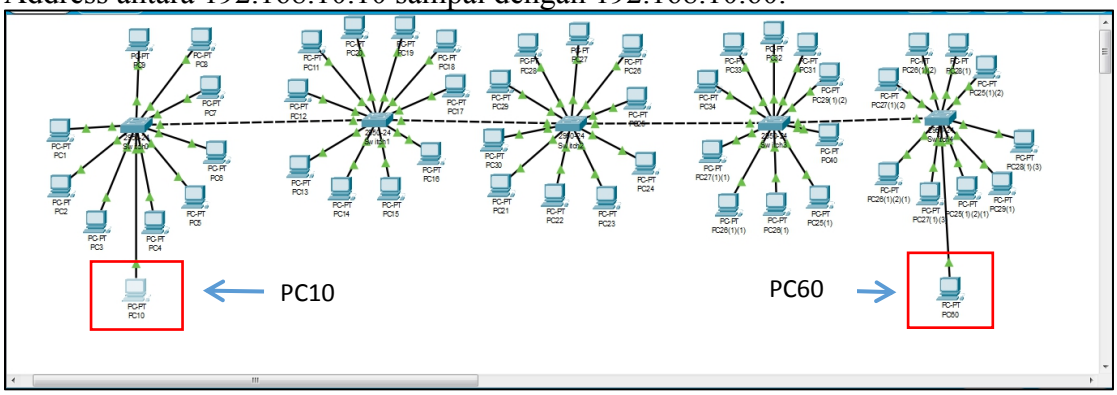
Melakukan ping:
IP address PC0 = 192.168.1.31 | PC1 = 192.168.1.1





TUGAS

5 switch yang saling terhubung, dan setiap switch terdiri dari 10 pc. Dengan alamat IP Address antara 192.168.10.10 sampai dengan 192.168.10.60.



PC10 ke PC60:

dengan terhubungnya **PC10(switch1)** ke **PC60(switch5)** automatis terhubung juga antara swtich2,swtich3 dan swtich 4 beserta PC-nya. (karena ip addess sama 192.168.10.10 sampai 192.168.10.60