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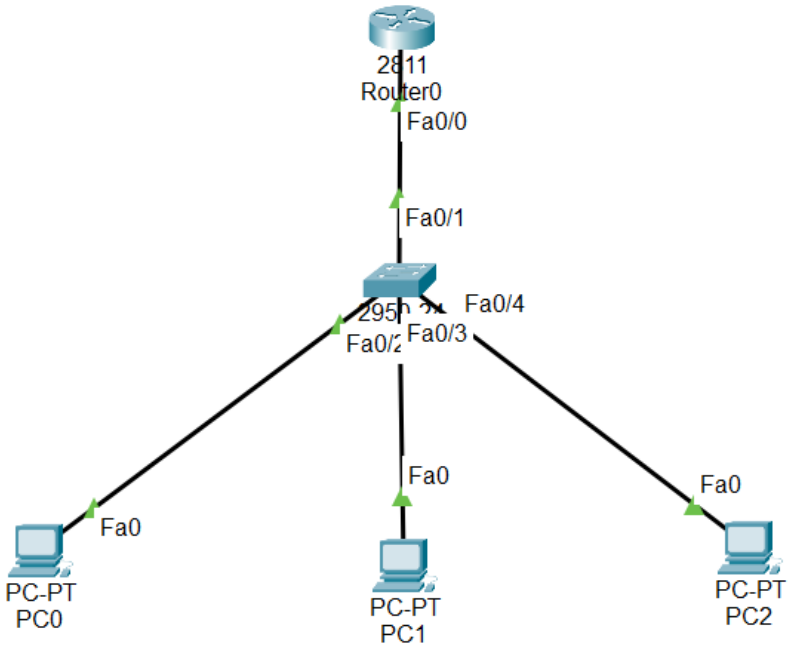
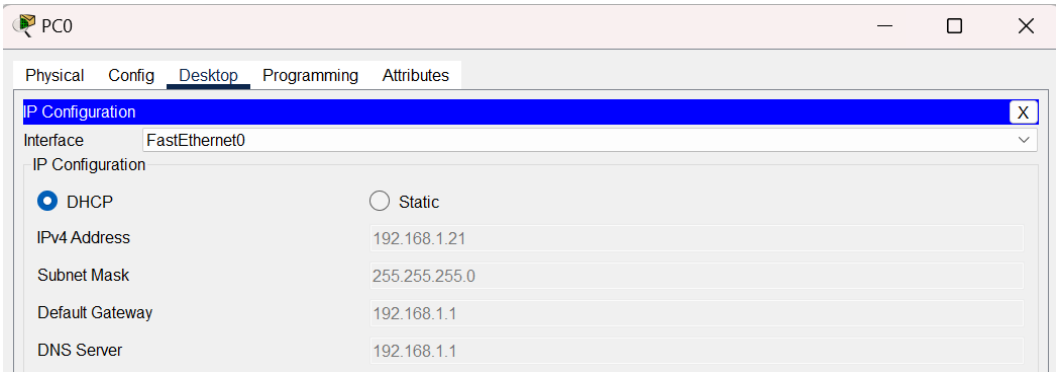
Nim : 09010182327011
Kelas : MI 3A
Matkul : Praktikum Jaringan Komputer

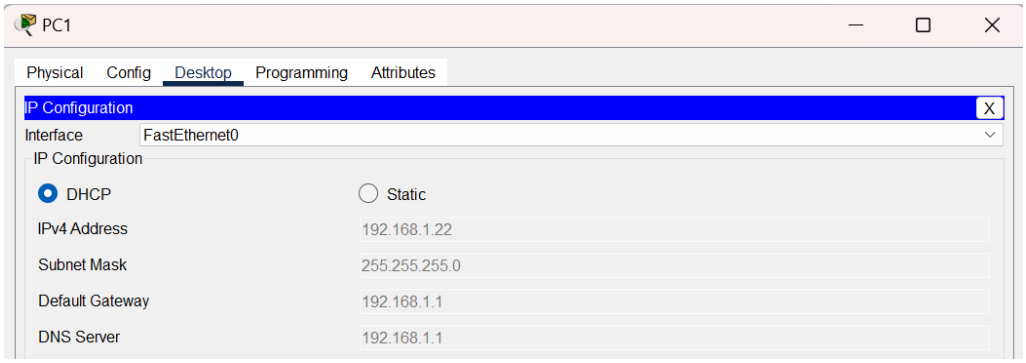
LAPORAN PRAKTIKUM JARINGAN KOMPUTER

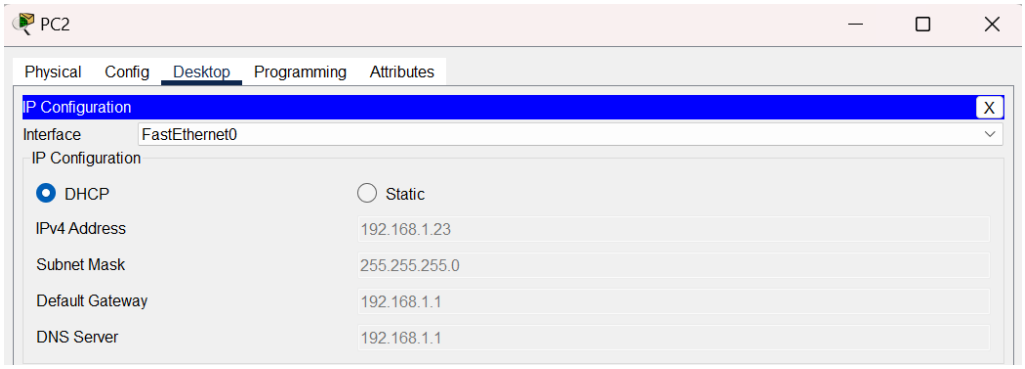



```
09010182327011_DHCP#sh ip dhcp binding
IP address       Client-ID/              Lease expiration        Type
                 Hardware address
192.168.1.21     00D0.D302.6609          --                      Automatic
192.168.1.22     000C.CF41.4E8D          --                      Automatic
192.168.1.23     0040.0BBA.1584          --                      Automatic
```

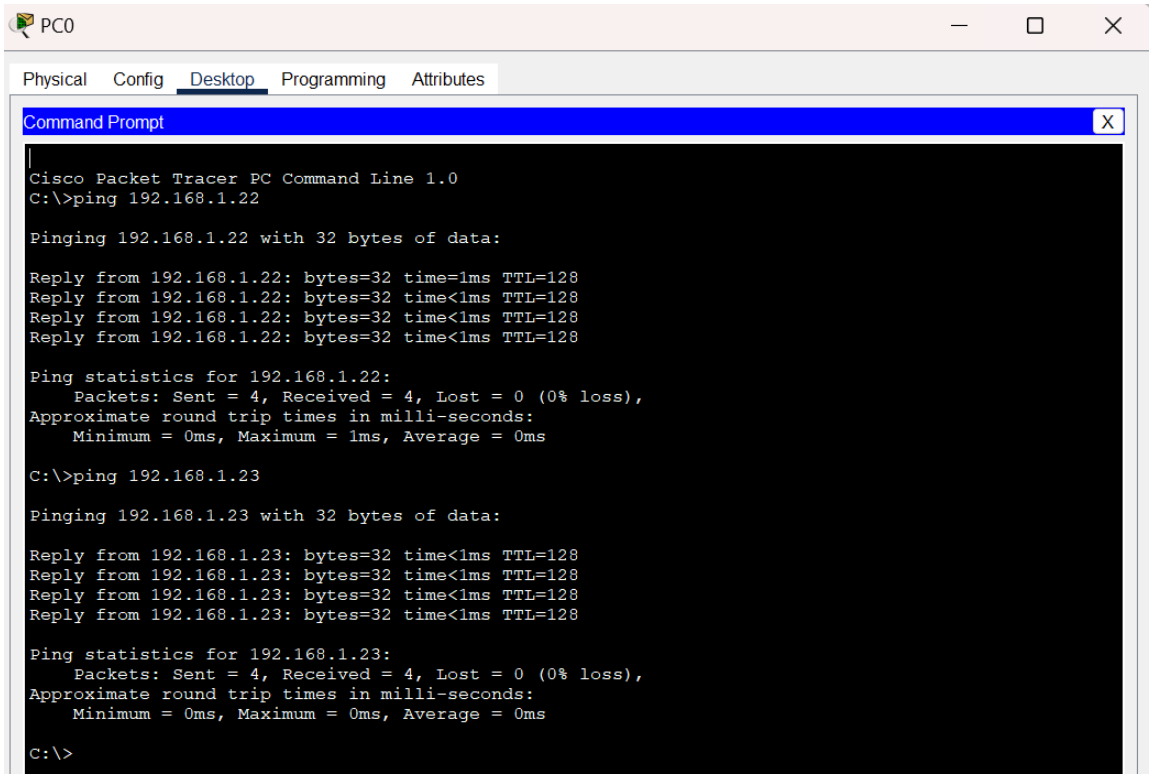
No	IP Address	MAC Address	Lease Expiration	Type
1	192.168.1.21	00D0.D302.6609	--	Automatic
2	192.168.1.22	00C0.CF41.4E8D	--	Automatic
3	192.168.1.23	0040.0BBA.1584	--	Automatic

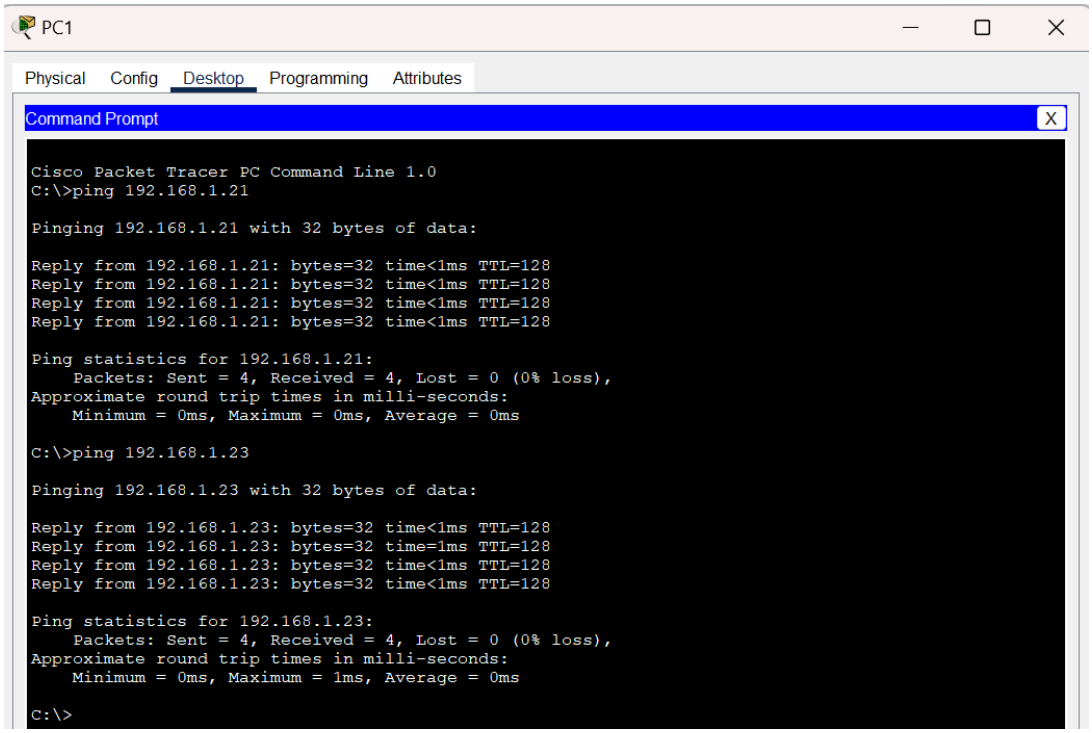


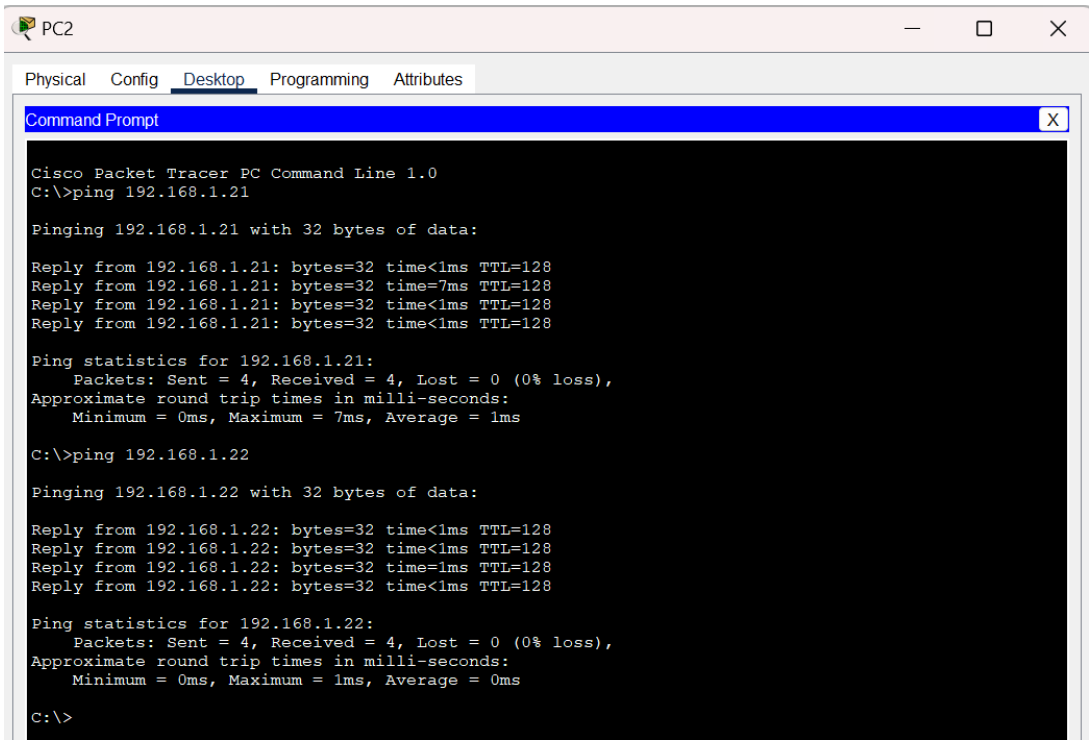




No	Client	IP Address	Netmask	Gateway	Dns
1	PC 0	192.168.1.21	255.255.255.0	192.168.1.1	192.168.1.1
2	PC 1	192.168.1.22	255.255.255.0	192.168.1.1	192.168.1.1
3	PC 2	192.168.1.23	255.255.255.0	192.168.1.1	192.168.1.1

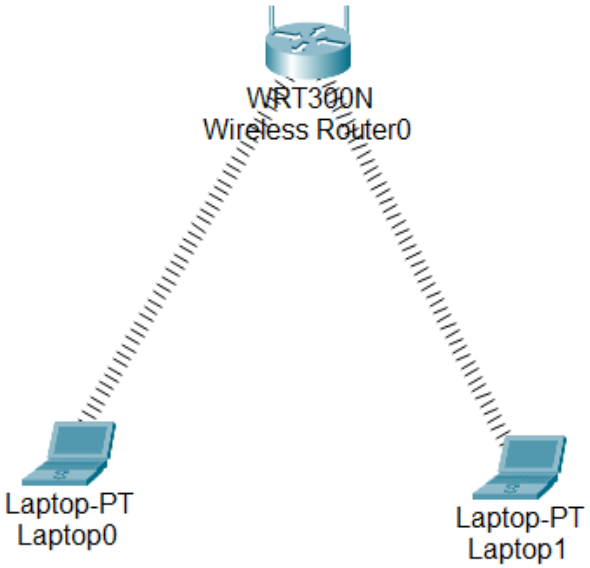




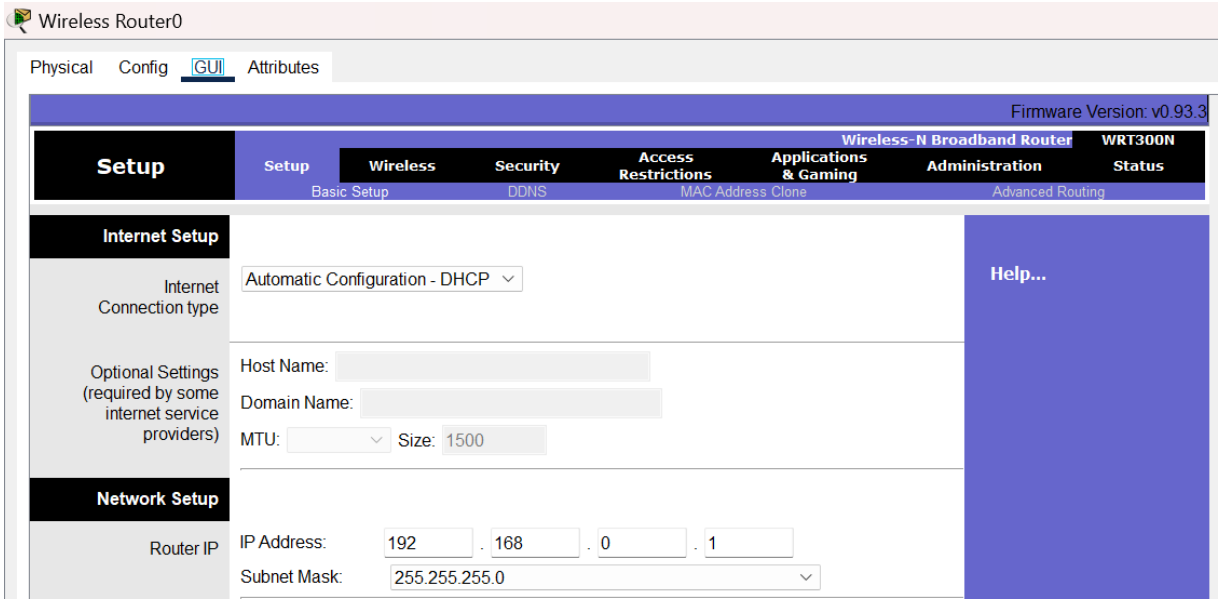


No	Sumber	Hasil	Tujuan	Hasil
		Ya / Tidak		Ya / Tidak
1	PC 0	Ya	PC 1	Ya
			PC 2	Ya
2	PC 1	Ya	PC 0	Ya
			PC 2	Ya
3	PC 2	Ya	PC 0	Ya
			PC 1	Ya

LATIHAN

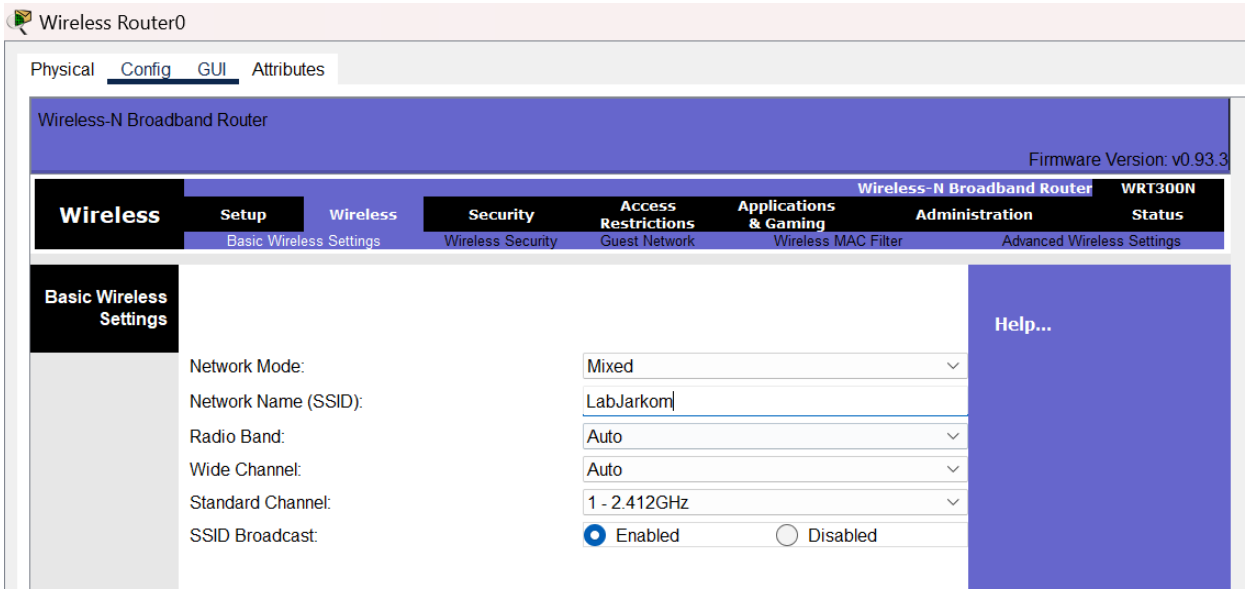


1. Buat Topologi Seperti Gambar diatas (note*: Gantilah device tablet menjadi laptop pada topologi diatas dan harus terhubung secara wireless)
2. Konfigurasi Access Point
   - Untuk mengkonfigurasi access point, klik Wireless Router yang sudah dipasang.
   - Pilih tab/menu GUI
   - Masukkan IP Address dengan 192.168.0.1
   - Serta Subnet Mask dengan 255.255.255.0

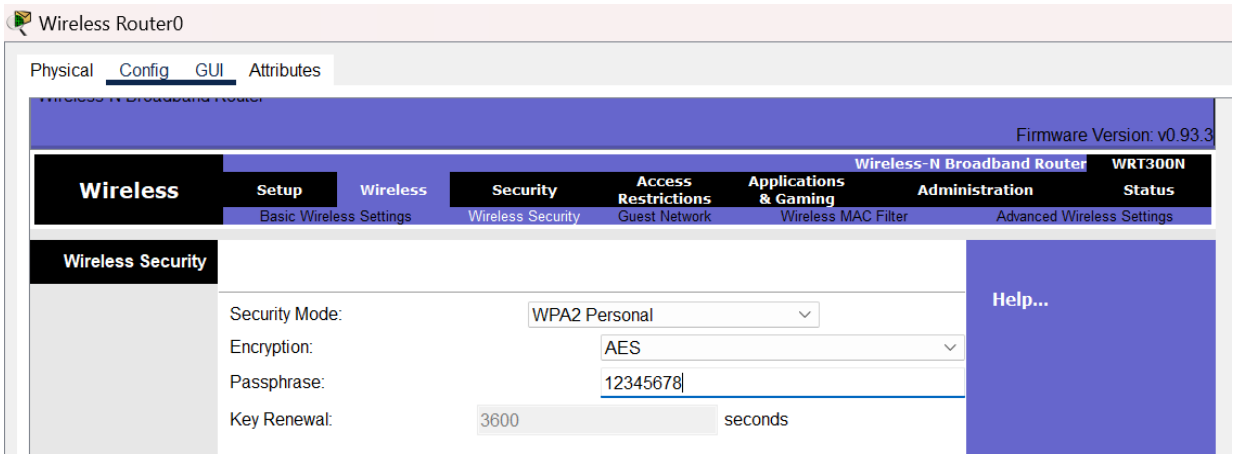


   - Aktifkan DHCP Server, menjadi Enabled
   - Mulai IP Address, dan IP DHCP dimulai dari 192.168.0.100
   - Maximum number of Users (jumlah maksimum dari IP DHCP)
   - Lalu simpan pengaturan (Save Settings)

- Pilih tab/menu Wireless -> Basic Wireless Settings
- Buatlah nama SSID dengan LabJarkom
- Lalu simpan pengaturan (Save Settings)



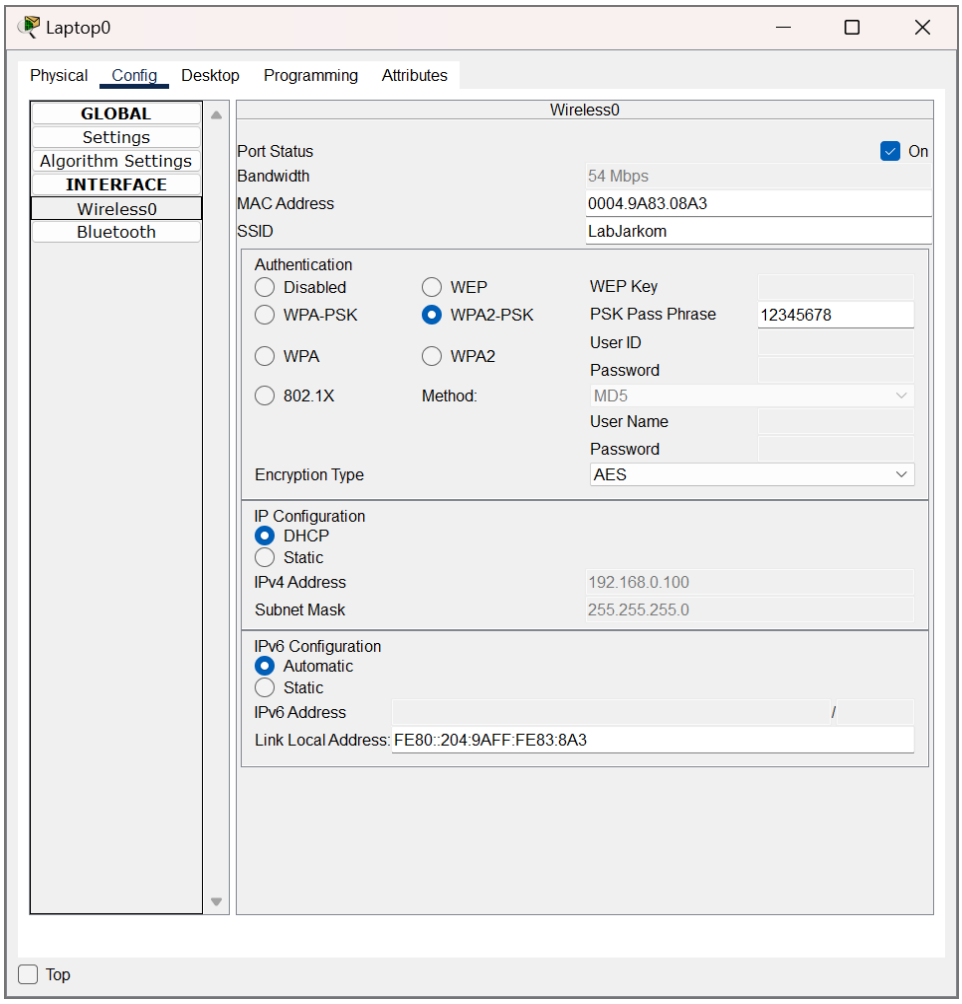
- Tekan tab/menu Wireless -> Wireless Security
- Lalu pada Security Mode akan menggunakan WPA2 Personal
- Dengan Encryption AES
- Serta Passphrase 12345678
- Lalu simpan pengaturan (Save Settings)



3. Konfigurasi Client

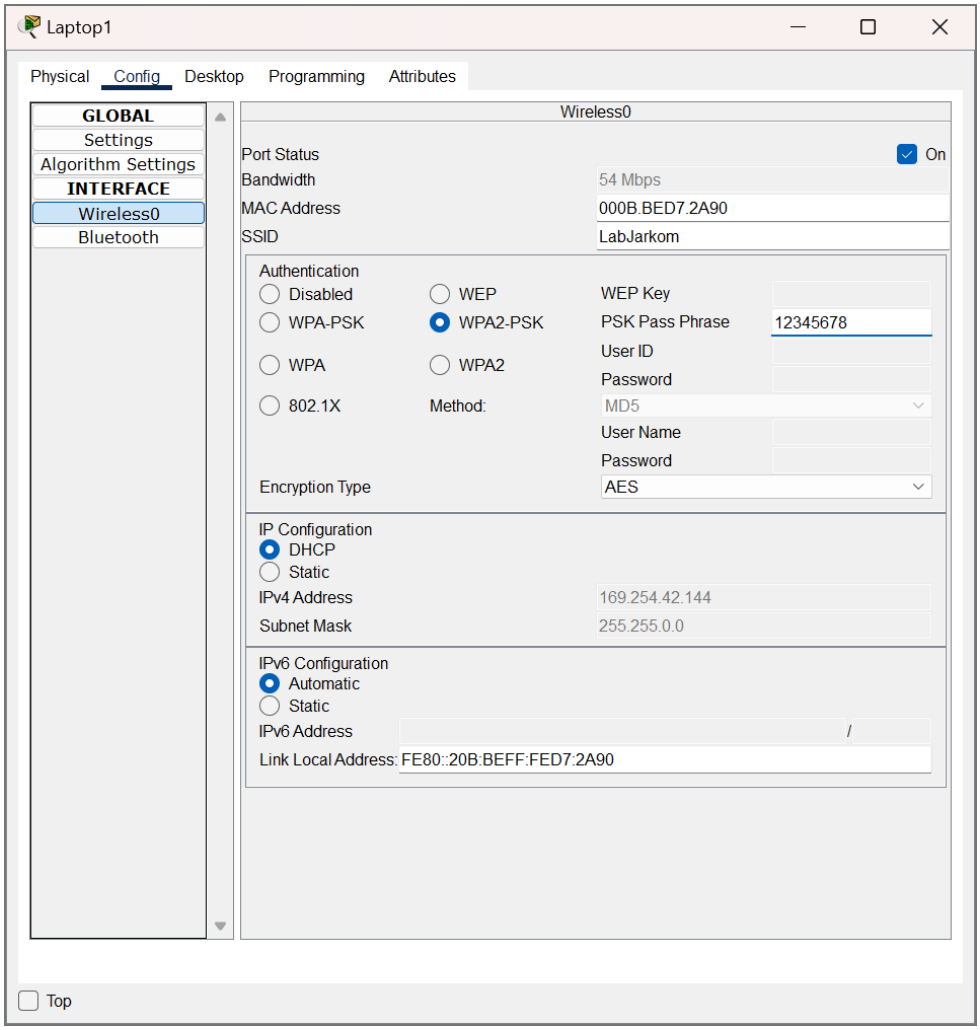
Konfigurasi Tablet PC0

- Konfigurasi Tablet PC pada tab Config
- SSID = LabJarkom
- Authentication = WPA2-PSK
- Pass Phrase = 12345678
- Pada IP Configuration memakai DHCP
- Nomor IP akan ditampilkan jika PC Tablet terhubung dan DCHP Server aktif

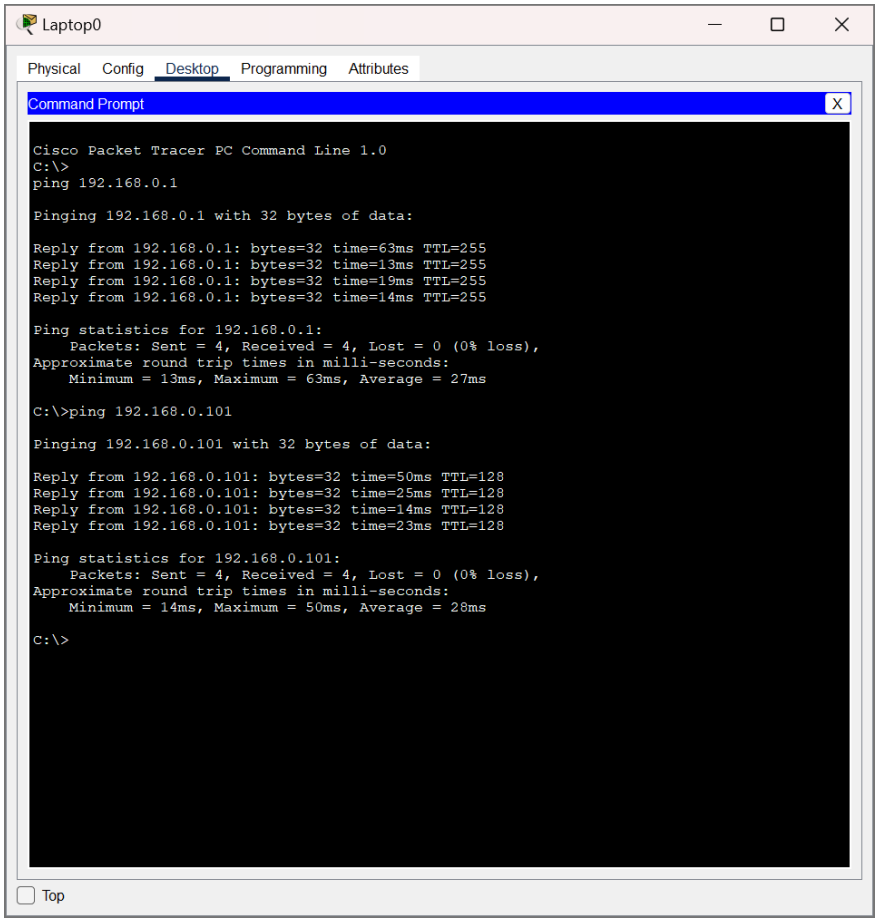


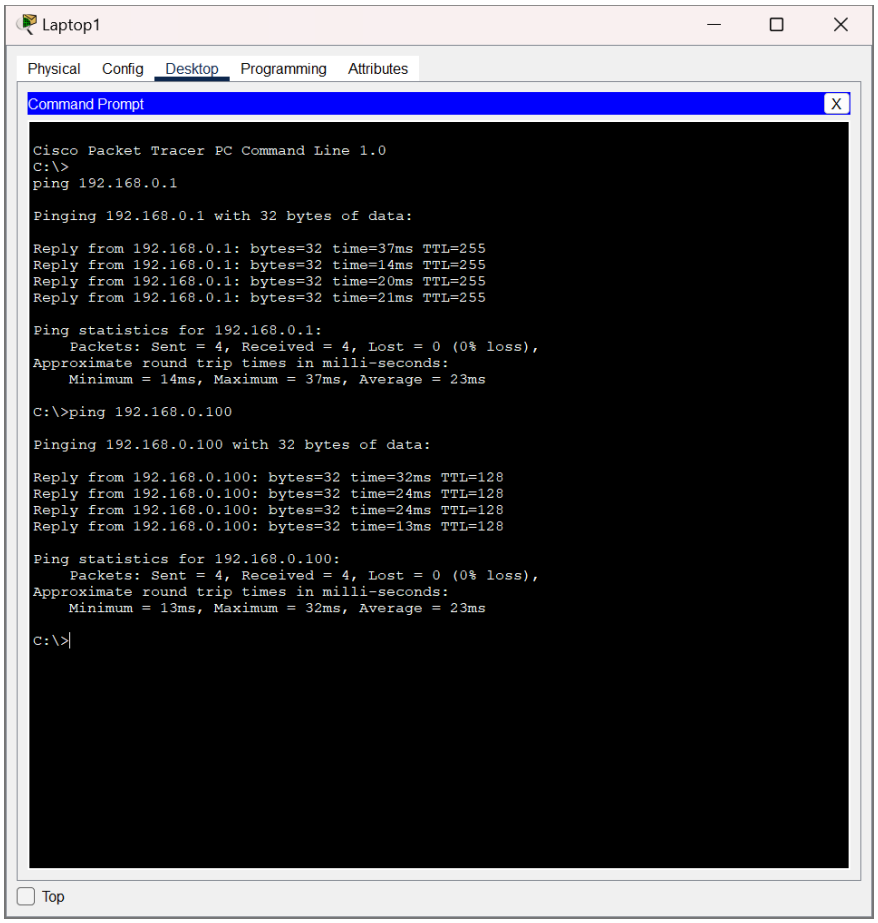
Konfigurasi Tablet PC1

- Konfigurasi Tablet PC pada tab Config
- SSID = LabJarkom
- Authentication = WPA2-PSK
- Pass Phrase = 12345678
- IP menggunakan DHCP
- Nomor IP akan ditampilkan jika PC Tablet terhubung dan DCHP Server aktif



4. Pengujian PING
   - Di PC Tablet, pilih tab/menu Desktop -> Command Prompt
   - Jalankan perintah Ping ke IP Access Point 192.168.0.1
   - Ping IP PC TabletPC0 Ke PC TabletPC1
   - Lakukan juga pada PC TabletPC1 ke PC TabletPC0


Laptop0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>
ping 192.168.0.1
Pinging 192.168.0.1 with 32 bytes of data:
Reply from 192.168.0.1: bytes=32 time=63ms TTL=255
Reply from 192.168.0.1: bytes=32 time=13ms TTL=255
Reply from 192.168.0.1: bytes=32 time=19ms TTL=255
Reply from 192.168.0.1: bytes=32 time=14ms TTL=255
Ping statistics for 192.168.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 13ms, Maximum = 63ms, Average = 27ms
C:\>ping 192.168.0.101
Pinging 192.168.0.101 with 32 bytes of data:
Reply from 192.168.0.101: bytes=32 time=50ms TTL=128
Reply from 192.168.0.101: bytes=32 time=25ms TTL=128
Reply from 192.168.0.101: bytes=32 time=14ms TTL=128
Reply from 192.168.0.101: bytes=32 time=23ms TTL=128
Ping statistics for 192.168.0.101:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 14ms, Maximum = 50ms, Average = 28ms
C:\>
Top


Laptop1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>
ping 192.168.0.1
Pinging 192.168.0.1 with 32 bytes of data:
Reply from 192.168.0.1: bytes=32 time=37ms TTL=255
Reply from 192.168.0.1: bytes=32 time=14ms TTL=255
Reply from 192.168.0.1: bytes=32 time=20ms TTL=255
Reply from 192.168.0.1: bytes=32 time=21ms TTL=255
Ping statistics for 192.168.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 14ms, Maximum = 37ms, Average = 23ms
C:\>ping 192.168.0.100
Pinging 192.168.0.100 with 32 bytes of data:
Reply from 192.168.0.100: bytes=32 time=32ms TTL=128
Reply from 192.168.0.100: bytes=32 time=24ms TTL=128
Reply from 192.168.0.100: bytes=32 time=24ms TTL=128
Reply from 192.168.0.100: bytes=32 time=13ms TTL=128
Ping statistics for 192.168.0.100:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 13ms, Maximum = 32ms, Average = 23ms
C:\>
Top