

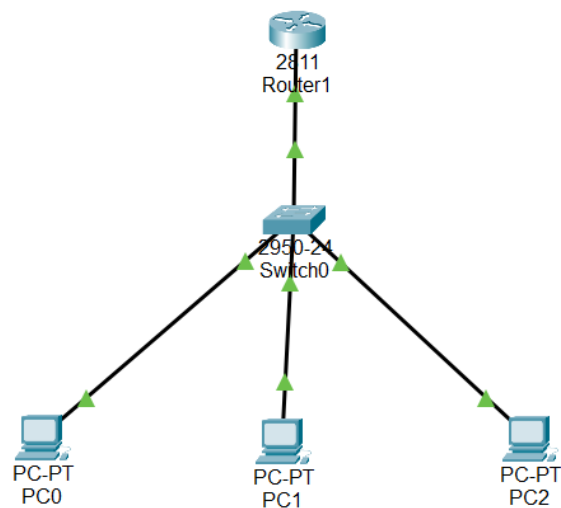
Nama: Amelia

NIM: 09010282327030

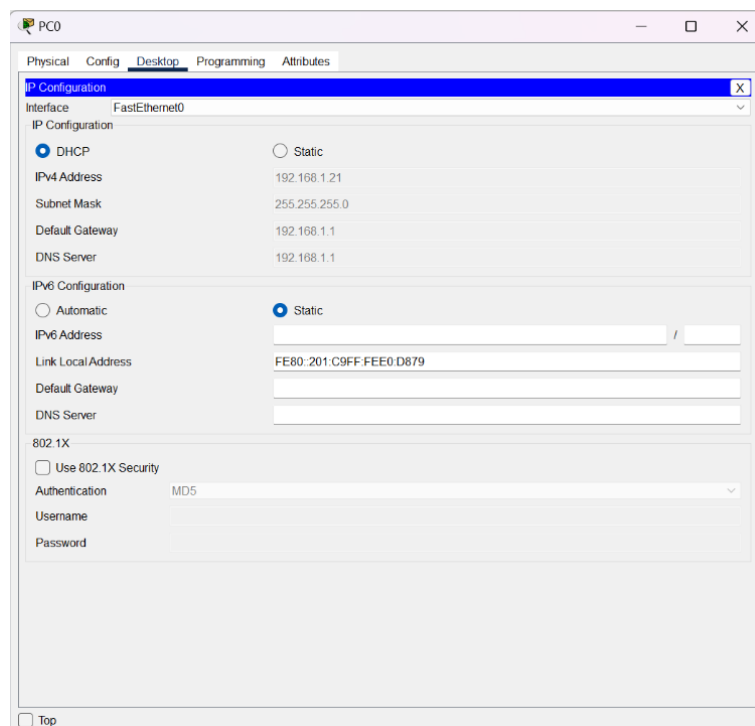
Kelas: MI. 3A

Mata Kuliah: Praktikum Jaringan Komputer

DHCP



- Konfigurasi DHCP Client



PC1

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.1.22

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.1

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80:2D0:58FF:FE16:451D

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

PC2

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.1.23

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 192.168.1.1

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80:201:42FF:FEE9:A024

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

- Daftar IP dari Client

```
09010282327030_DHCP(config)#exit
09010282327030_DHCP#
%SYS-5-CONFIG_I: Configured from console by console

09010282327030_DHCP#sh ip dhcp binding
IP address      Client-ID/
                Hardware address
192.168.1.21    0001.C9E0.D879    --    Automatic
192.168.1.22    00D0.5816.451D    --    Automatic
192.168.1.23    0001.42E9.A024    --    Automatic
09010282327030_DHCP#
```

No	IP address	MAC Address	Lease Expiration	Type
1	192.168.1.21	0001.C9E0.D879	--	Automatic
2	192.168.1.22	00D0.5816.451D	--	Automatic
3	192.168.1.23	0001.42E9.A024	--	Automatic

- Pengalamatan IP pada Client/PC

No	Client	IP address	Netmask	Gateaway	Dns
1	PC0	192.168.1.21	255.255.255.0	192.168.1.1	192.168.1.1
2	PC1	192.168.1.22	255.255.255.0	192.168.1.1	192.168.1.1
3	PC2	192.168.1.23	255.255.255.0	192.168.1.1	192.168.1.1

- Pengujian PING pada setiap PC

No	Sumber	Hasil	Tujuan	Hasil
		Ya / Tidak		Ya / Tidak
1	PC0	Ya	PC1	Ya
		Ya	PC2	Ya
2	PC1	Ya	PC0	Ya
		Ya	PC2	Ya
3	PC2	Ya	PC0	Ya
		Ya	PC1	Ya

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.22

Pinging 192.168.1.22 with 32 bytes of data:

Reply from 192.168.1.22: bytes=32 time<1ms TTL=128
Reply from 192.168.1.22: bytes=32 time<1ms TTL=128
Reply from 192.168.1.22: bytes=32 time<1ms TTL=128
Reply from 192.168.1.22: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.23

Pinging 192.168.1.23 with 32 bytes of data:

Reply from 192.168.1.23: bytes=32 time=3ms TTL=128
Reply from 192.168.1.23: bytes=32 time=1ms TTL=128
Reply from 192.168.1.23: bytes=32 time=0ms TTL=128
Reply from 192.168.1.23: bytes=32 time=5ms TTL=128

Ping statistics for 192.168.1.23:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 5ms, Average = 5ms

C:\>

```

```
PC1
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.21

Pinging 192.168.1.21 with 32 bytes of data:

Reply from 192.168.1.21: bytes=32 time<1ms TTL=128
Reply from 192.168.1.21: bytes=32 time=8ms TTL=128
Reply from 192.168.1.21: bytes=32 time=9ms TTL=128
Reply from 192.168.1.21: bytes=32 time=8ms TTL=128

Ping statistics for 192.168.1.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 9ms, Average = 6ms

C:\>ping 192.168.1.23

Pinging 192.168.1.23 with 32 bytes of data:

Reply from 192.168.1.23: bytes=32 time<1ms TTL=128
Reply from 192.168.1.23: bytes=32 time<1ms TTL=128
Reply from 192.168.1.23: bytes=32 time<1ms TTL=128
Reply from 192.168.1.23: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.23:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

```
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.21

Pinging 192.168.1.21 with 32 bytes of data:

Reply from 192.168.1.21: bytes=32 time<1ms TTL=128
Reply from 192.168.1.21: bytes=32 time<1ms TTL=128
Reply from 192.168.1.21: bytes=32 time<1ms TTL=128
Reply from 192.168.1.21: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.22

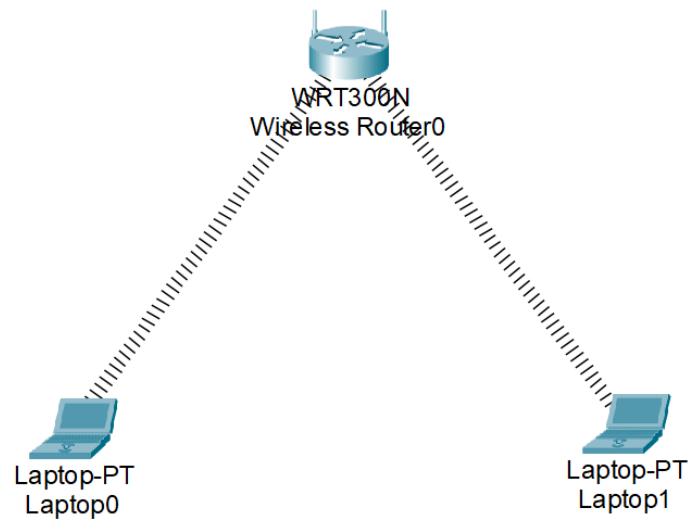
Pinging 192.168.1.22 with 32 bytes of data:

Reply from 192.168.1.22: bytes=32 time=4ms TTL=128
Reply from 192.168.1.22: bytes=32 time<1ms TTL=128
Reply from 192.168.1.22: bytes=32 time<1ms TTL=128
Reply from 192.168.1.22: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 3ms

C:\>
```

WIRELESS



- Konfigurasi Access Point

Wireless Router0

Physical Config **GUI** Attributes

Wireless-N Broadband Router Firmware Version: v0.93.3

Setup Setup Wireless Security Access Restrictions Applications & Gaming Wireless-N Broadband Router Administration Status WRT300N

Base Setup DNS DHCP Access Restrictions Advanced Routing

Internet Setup

Internet Connection type: Automatic Configuration - DHCP

Optional Settings (required by some internet service providers):

Host Name:

Domain Name:

MTU: Size: 1500

Network Setup

Router IP: IP Address: . . . Subnet Mask:

DHCP Server Settings:

DHCP Server: ☒ Enabled ☐ Disabled DHCP Reservation

Start IP Address:

Maximum number of Users:

IP Address Range: -

Client Lease Time: minutes (0 means one day)

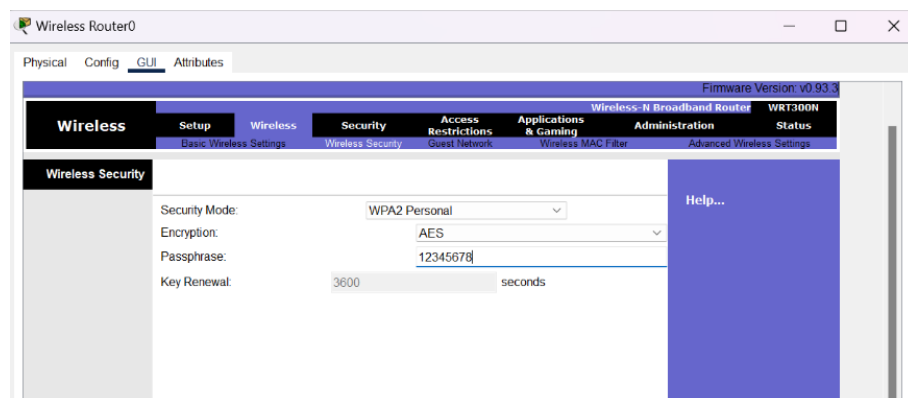
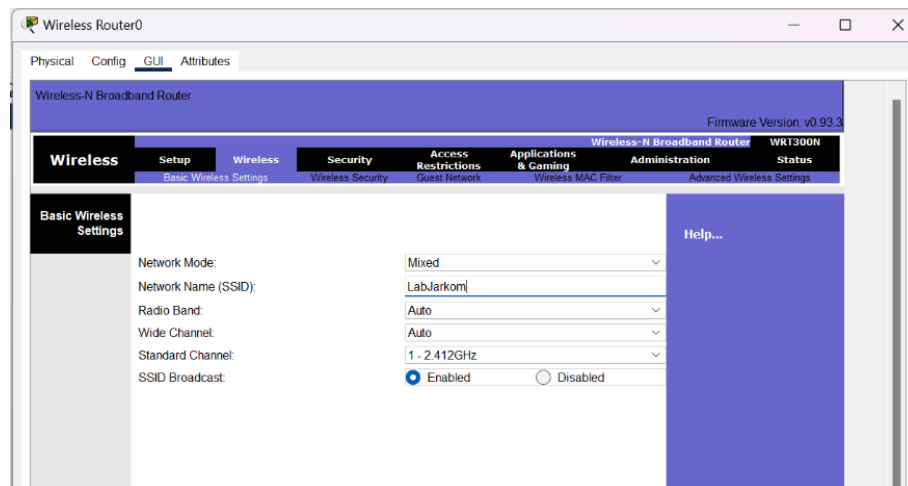
Static DNS 1: . . .

Static DNS 2: . . .

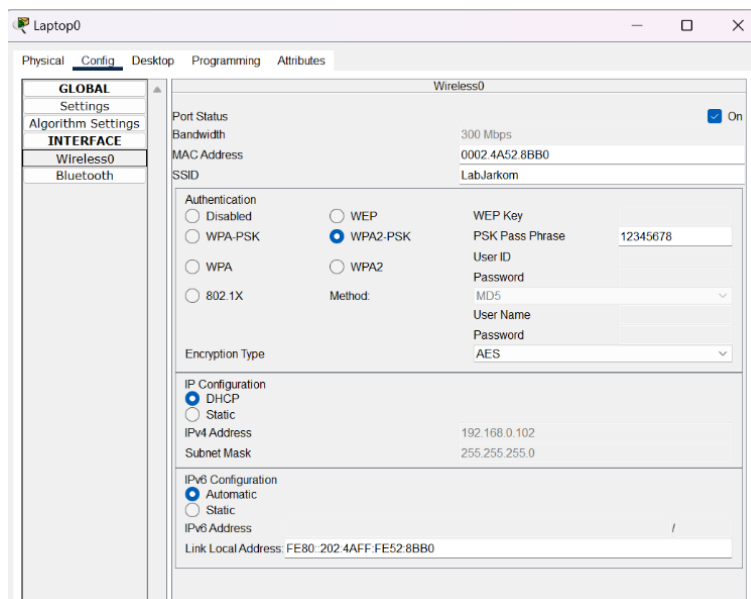
Static DNS 3: . . .

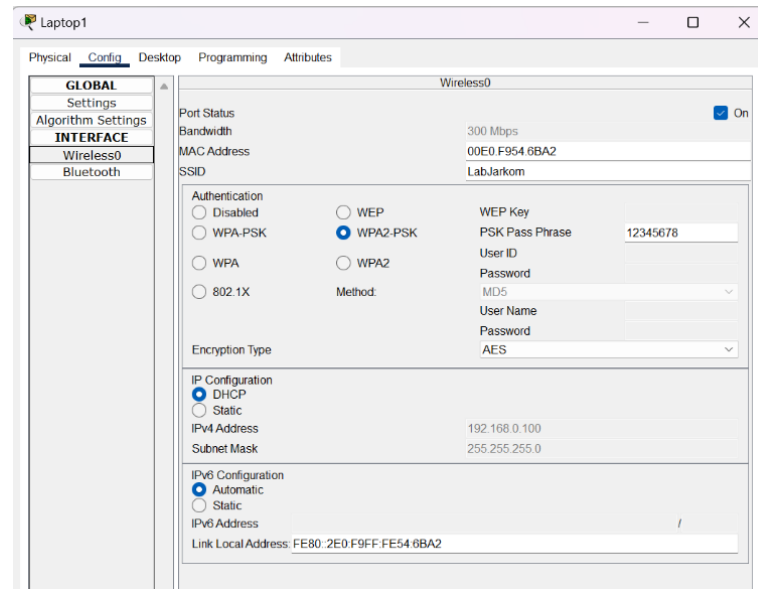
WINS: . . .

Help...



- Konfigurasi Client





- Pengujian PING

