

Tugas Praktikum Jaringan Komputer

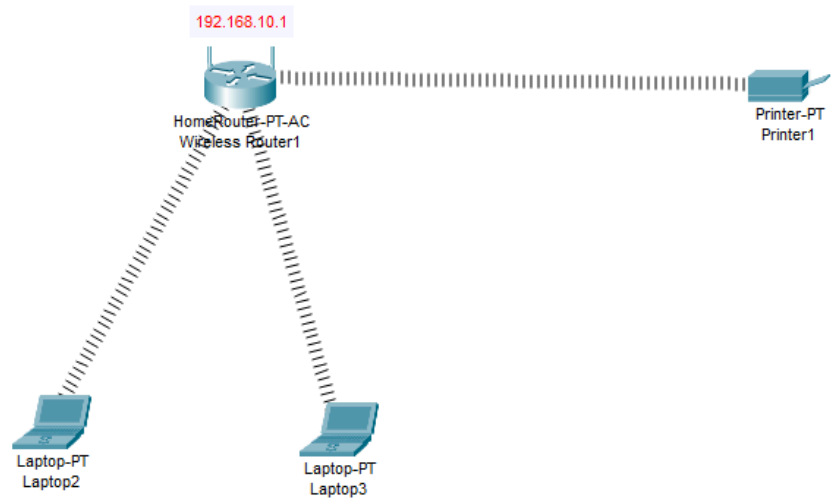


Nama : Agil Deriansyah Hasan
Nim : 4522210125

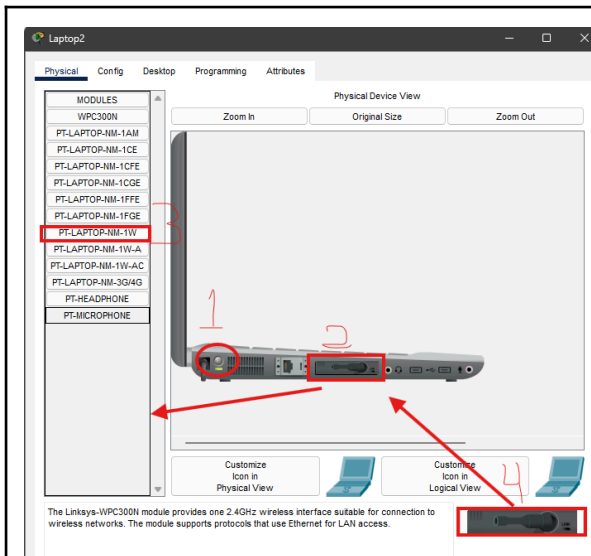
Dosen Pengajar :

Bambang Riono Arsad , S.Kom., MMSI
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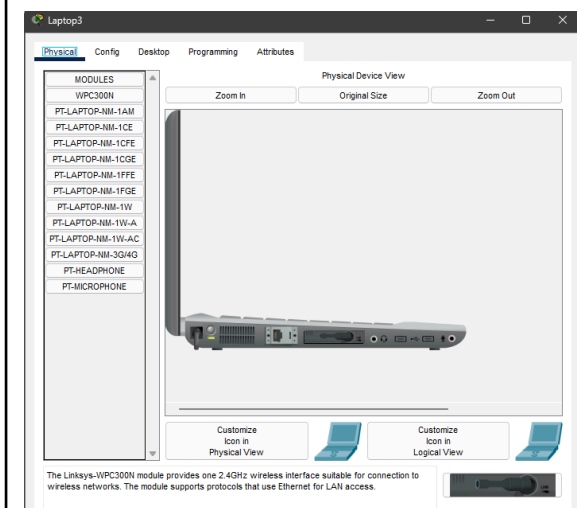
**S1-Teknik Informatika
Fakultas Teknik
Universitas Pancasila 2023/2024**



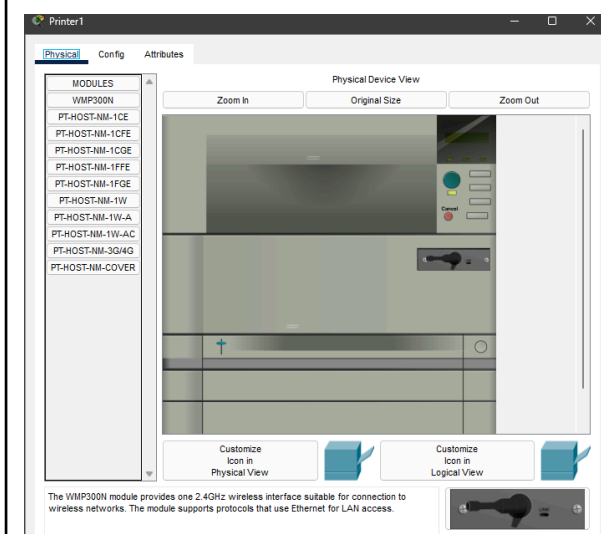
Device	IPv4 Address
HomeRouter PT-AC Wireless Router1	192.168.10.1
Laptop-PT Laptop2	192.168.10.101
Laptop-PT Laptop3	192.168.10.103
Printer-PT Printer1	192.168.10.104



1. Mematikan Device Laptop Terlebih dahulu
2. Lepaskan Modules yang terpasang di dalam laptop lalu tarik ke dalam bagian modules disebelah kiri
3. Klik pada bagian modules PT-Laptop-NM-1W
4. dan pasangkan modules PT-Laptop-NM-1W kedalam device laptop



Lakukan hal yang sama pada device Laptop-PT Laptop3



Lakukan hal yang sama pada device Printer-PT Printer1

Wireless Router1

Physical Config GUI Attributes

Wireless Tri-Band Home Router Firmware Version: v0.9.7

Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

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: 192.168.10.1 Subnet Mask: 255.255.255.0

DHCP Server Settings

DHCP Server: ☒ Enabled ☐ Disabled

Start IP Address: 192.168.10.100

Maximum number of Users: 50

IP Address Range: 192.168.10.100 - 149

Help...

Masukkan IPv4 Address pada bagian HomeRouter yaitu 192.168.10.1

Save Settings Cancel Changes

Lalu scrool kebagian paling bawah untuk save settings

Wireless Router1

Physical Config GUI Attributes

Wireless Tri-Band Home Router Firmware Version: v0.9.7

Wireless Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings

2.4 GHz

Network Mode: Auto

Network Name (SSID): agl

SSID Broadcast: ☒ Enabled ☐ Disabled

Standard Channel: 1 - 2.412GHz

Channel Bandwidth: Auto

5 GHz - 2

Network Mode: Auto

Network Name (SSID): agl

SSID Broadcast: ☒ Enabled ☐ Disabled

Standard Channel: Auto

Channel Bandwidth: Auto

5 GHz - 1

Network Mode: Auto

Network Name (SSID): agl

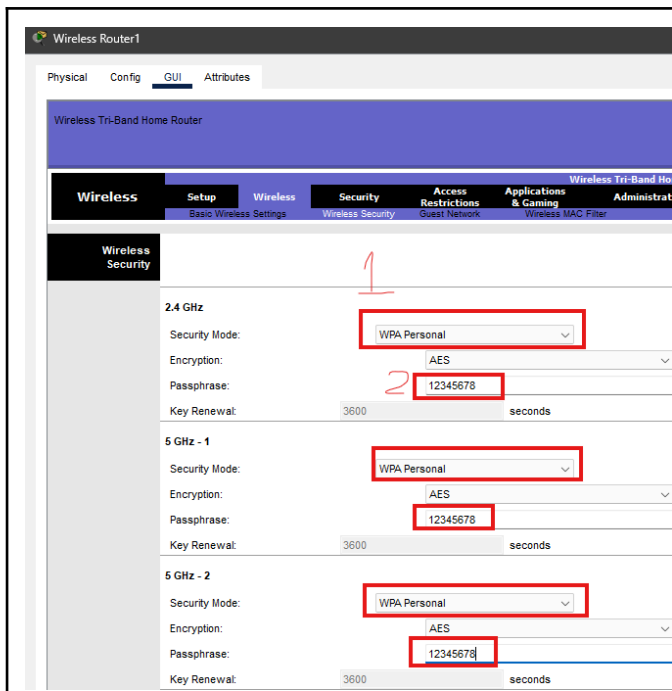
SSID Broadcast: ☒ Enabled ☐ Disabled

Standard Channel: Auto

Channel Bandwidth: Auto

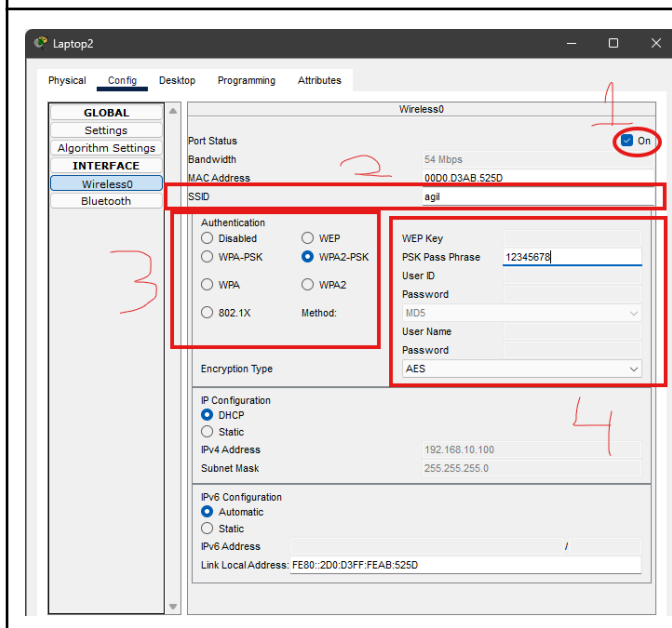
Help...

Masuk kedalam menu Wireless -> Basic Wireless Settings untuk menamai Network Name atau SSID



Masih di menu yang sama Wireless -> Wireless Security

1. Pada bagian Security Mode di ubah yang awal nya disabled menjadi WPA Personal
2. Lalu setelah diubah mode nya bisa mengasih password pada Network



Lalu masuk kedalam device Laptop2

1. On terlebih dahulu pada Port Status
2. Lalu masukkan Network Name atau SSID yang ada didalam HomeRouter yaitu agil
3. Ubah pada bagian authentication yang awal nya disabled menjadi WPA2-PSK
4. Setelah diubah authentication nya masukkan pasword yang sudah terdaftar didalam HomeRouter yaitu 12345678

Laptop3

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 54 Mbps

MAC Address 0002.166C.4EE1

SSID agil

Authentication

☐ Disabled ☐ WEP ☒ WPA2-PSK ☐ WPA ☐ WPA2 ☐ 802.1X

WEP Key

PSK Pass Phrase 12345678

User ID

Password

Method: MD5

User Name

Password

Encryption Type AES

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.10.103

Subnet Mask 255.255.255.0

IPv6 Configuration

☒ Automatic ☐ Static

IPv6 Address /

Link Local Address: FE80::202:16FF:FE6C:4EE1

Lakukan hal yang sama pada device Laptop2

Printer1

Physical Config Attributes

GLOBAL

Settings

INTERFACE

Wireless0

Wireless0

Port Status ☒ On

Bandwidth 54 Mbps

MAC Address 00D0.97D1.00B4

SSID agil

Authentication

☐ Disabled ☐ WEP ☒ WPA2-PSK ☐ WPA ☐ WPA2 ☐ 802.1X

WEP Key

PSK Pass Phrase 12345678

User ID

Password

Method: MD5

User Name

Password

Encryption Type AES

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.10.104

Subnet Mask 255.255.255.0

IPv6 Configuration

☒ Automatic ☐ Static

IPv6 Address /

Link Local Address: FE80::2D0:97FF:FED1:B4

Lakukan hal yang sama pada device Laptop2

Menguji koneksi antara perangkat dalam jaringan dengan mengirim Pesan.

