

Tugas Praktikum Jaringan Komputer

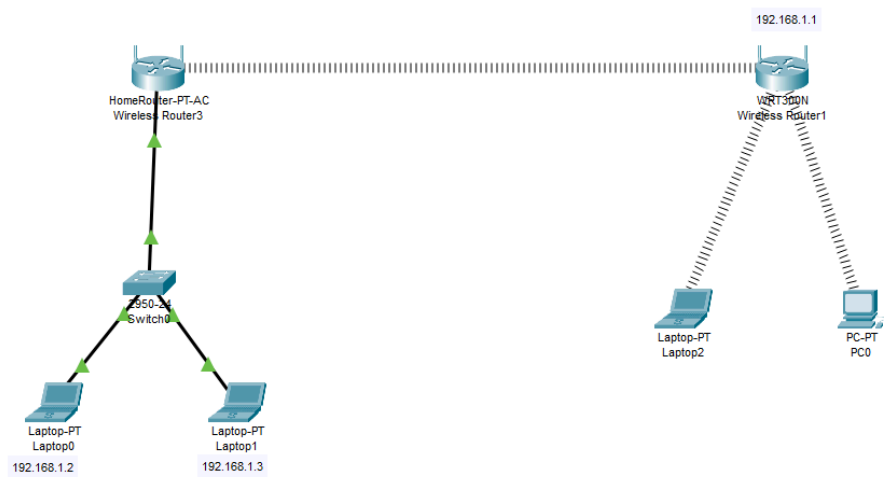


Nama : Agil Deriansyah Hasan
Nim : 4522210125

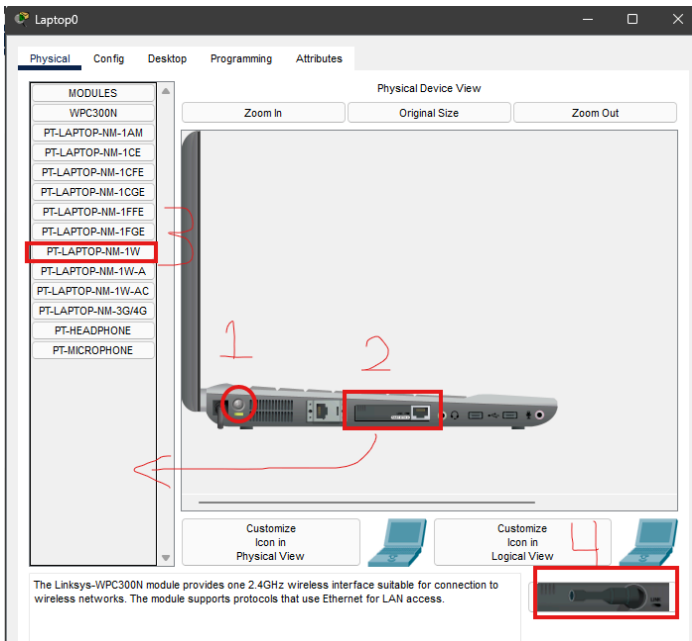
Dosen Pengajar :

Bambang Riono Arsad , S.Kom., MMSI
Prak. Jaringan Komputer - G

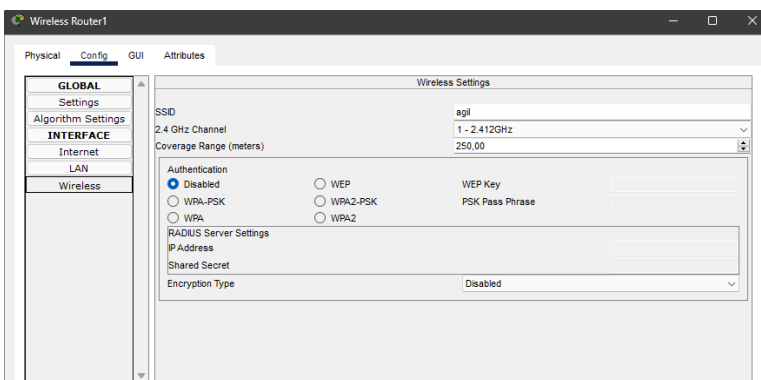
**S1-Teknik Informatika
Fakultas Teknik
Universitas Pancasila 2023/2024**



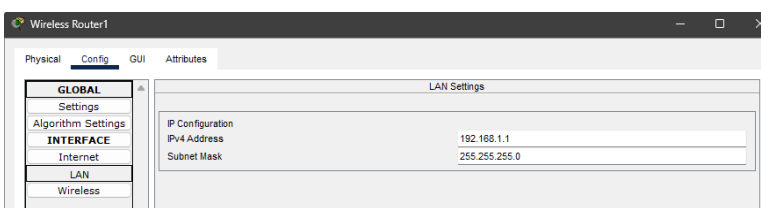
| Device | IPv4 Address |
|---|---------------|
| HomeRouter-PT-AC Wireless Router3 | |
| WRT300N Wireless Router1 | 192.168.1.1 |
| Laptop-PT Laptop0 | 192.168.1.2 |
| Laptop-PT Laptop1 | 192.168.1.3 |
| Laptop-PT Laptop2 | 192.168.1.100 |
| PC-PT PC0 | 192.168.1.102 |
| Menggunakan Kabel Copper Straight-Through | |



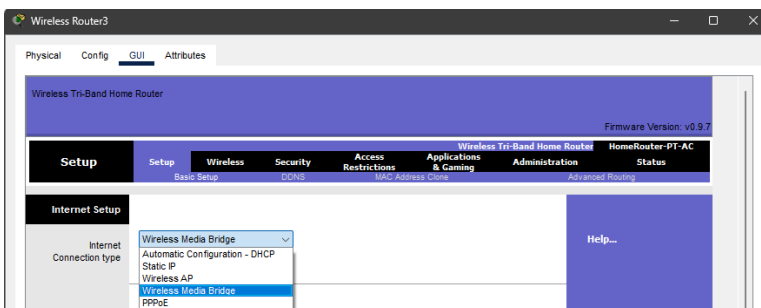
1. Mematikan laptop
2. Memindahkan device yang ada di laptop ke sebelah modules
3. Lalu klik pada modules yang PT-Laptop-NM1W
4. Setelah diklik pada modules PT-Laptop-NM1W lalu masukkan modules PT-Laptop-NM1W ke dalam laptop
5. Lakukan hal yang sama ke Laptop atau PC



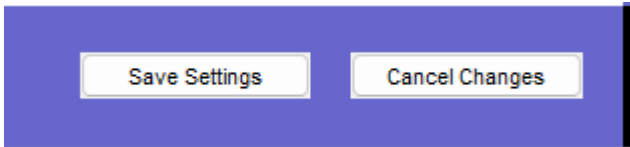
Lalu Selanjutnya pindah ke device WRT300N Wireless Router1 untuk menamai SSID/Wifi yaitu agil



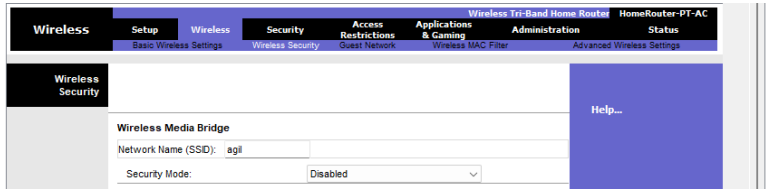
dan masukkan IPv4 Address kepada device WRT300N
Wireless Router1 = 192.168.1.1



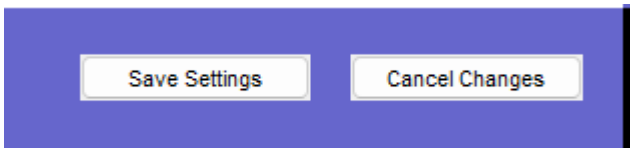
Masuk kedalam device HomeRouter-PT-AC Wireless Router3 → GUI → Setup ubah bagian internet connection type yang awal nya automatic configuration di ubah ke wireless media bridge



lalu sesudah diubah scroll ke bawah untuk save settings



HomeRouter-PT-AC Wireless Router3 → GUI → Wireless → Wireless Security untuk memasukkan nama SSID/Wifi yang ada didalam device WRT300N Wireless Router1



setelah sudah dimasukkan nama SSID/Wifi scroll ke bawah untuk save settings

Menguji koneksi antara perangkat dalam jaringan

The network topology shows two routers, HomeRouter-PT-AC Wireless Router3 and WRT300N Wireless Router1, connected via their serial ports. HomeRouter-PT-AC is connected to a switch, which is then connected to two laptops (Laptop0 and Laptop1). WRT300N is connected to two PCs (Laptop2 and PC0). The IP addresses are: HomeRouter-PT-AC (192.168.1.1), WRT300N (192.168.1.1), Laptop0 (192.168.1.2), Laptop1 (192.168.1.3), Laptop2 (192.168.1.2), and PC0 (192.168.1.3).

The PDU List window shows the following data:

| Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete |
|------|-------------|---------|------------------|------|-------|-----------|----------|-----|--------|----------|
| ● | Successful | Laptop0 | Laptop1 | ICMP | Red | 0.000 | N | 0 | (edit) | (delete) |
| ● | Successful | Laptop0 | Wireless Router1 | ICMP | Red | 0.000 | N | 1 | (edit) | (delete) |
| ● | Successful | Laptop0 | Laptop2 | ICMP | Blue | 0.000 | N | 2 | (edit) | (delete) |
| ● | Successful | Laptop0 | PC0 | ICMP | Blue | 0.000 | N | 3 | (edit) | (delete) |
| ● | Successful | Laptop1 | Laptop2 | ICMP | Blue | 0.000 | N | 4 | (edit) | (delete) |