

# LAPORAN PRAKTIKUM WIRELESS COMUNICATION

## PRAKTIKUM IV PERCOBAAN SETTING WIRELESS ROUTER



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**Dosen**  
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## **BAB I**

### **PENDAHULUAN**

#### **1.1. Latar Belakang**

TP LINK WR840N Mode Router adalah sebuah perangkat jaringan yang dirancang untuk memberikan akses internet nirkabel bagi pengguna rumahan atau kantor kecil. Dalam lingkungan jaringan, TP LINK WR840N Mode Router berperan sebagai pusat pengatur lalu lintas data antara perangkat yang terhubung di dalam jaringan dan koneksi internet.

#### **1.2. Tujuan**

Tujuan dari TP LINK WR840N Mode Router adalah untuk memberikan akses internet yang cepat, stabil, dan aman bagi pengguna di dalam jaringan. Dengan adanya TP LINK WR840N Mode Router, pengguna dapat terhubung ke internet secara nirkabel atau dengan kabel LAN, berbagi file dan sumber daya, dan menjalankan aplikasi jaringan lainnya.

#### **1.3. Manfaat**

Penggunaan TP LINK WR840N Mode Router memberikan berbagai manfaat antara lain:

1. Akses Internet yang cepat dan stabil
- 2 .Keamanan jaringan
3. Kemudahan pengguna
4. Meningkatkan kemampuan jaringan dengan menghubungkan beberapa perangkat ke dalam jaringan dan memungkinkan berbagi file dan sumber daya di antara perangkat tersebut.

#### **1.4. Alat dan Bahan**

- Router

- Network
- Laptop

## BAB II

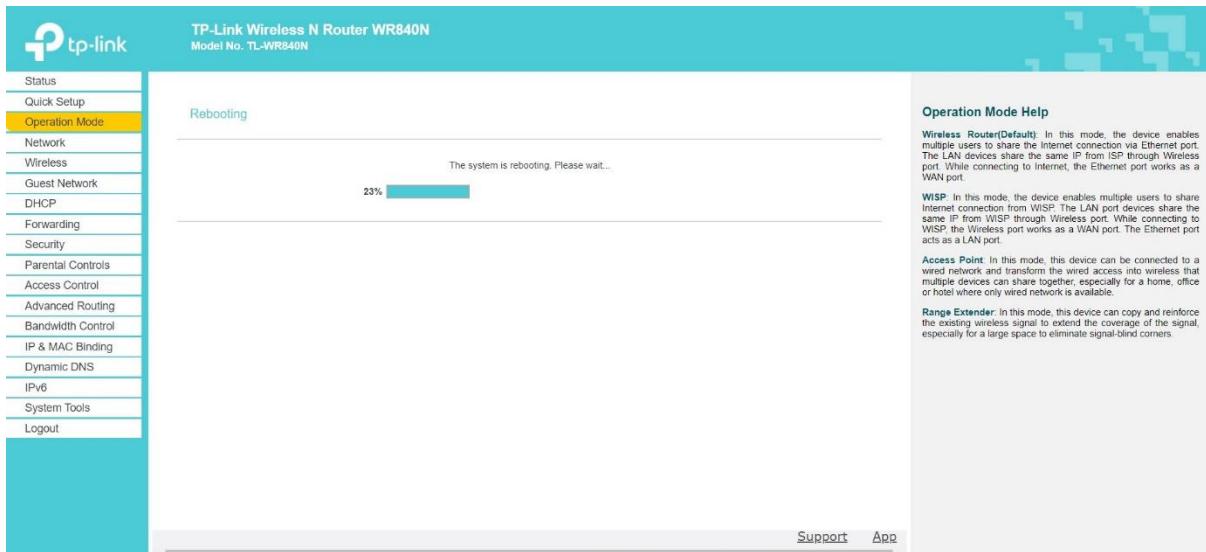
### HASIL DAN PEMBAHASAN



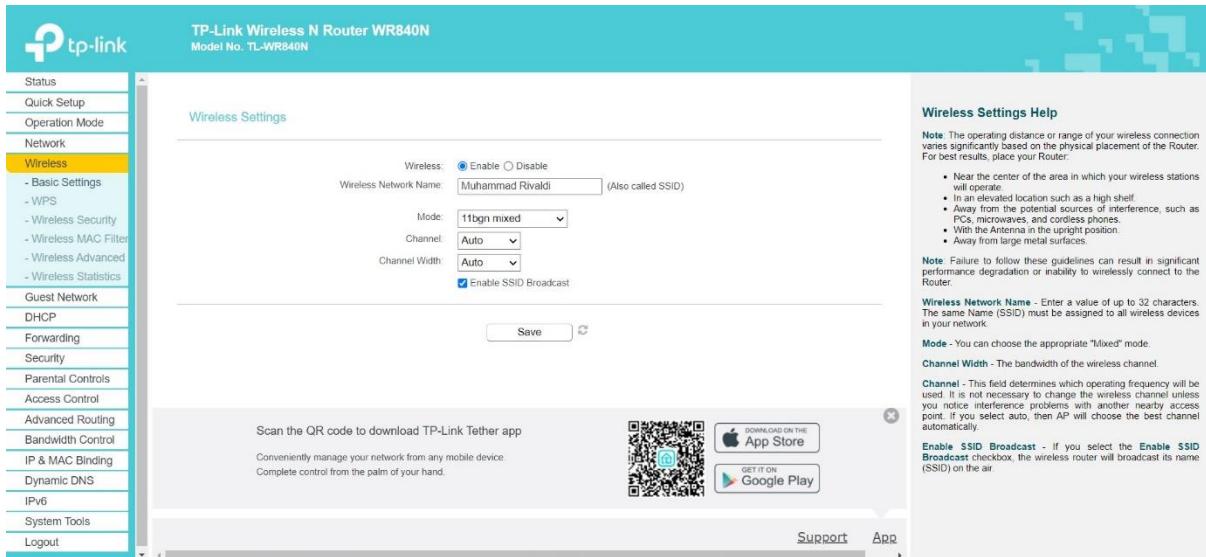
1. Cari nama router di Laptop lalu sambungkan. Nama dan password router terdapat di balik router tersebut.
2. Jika telah tersambung, buka Chrome atau apapun lalu login pada website <http://tplinkwifi.net/>, kemudian masukkan password yang ada pada belakang router.

A screenshot of the TP-Link Wireless N Router WR840N configuration interface. The left sidebar has a yellow-highlighted "Operation Mode" option. The main content area is titled "Operation Mode" and contains a "Select an Operation Mode:" dropdown with four options: "Wireless Router" (selected), "WISP", "Access Point", and "Range Extender". A "Save" button is at the bottom right. To the right is a "Operation Mode Help" panel with three sections: "Wireless Router (Default)", "WISP", and "Access Point". The "Access Point" section is expanded, explaining its function for extending wireless coverage. The bottom right of the help panel has "Support" and "App" buttons.

3. Kemudia pada menu Operation Mode terdapat 4 pilihan mode, ganti mode ke Access Point lalu klik Save.



4. Tunggu hingga selesai proses rebooting.
5. Apabila sudah selasai maka Router akan berubah menjadi Access Point, dan otomatis sinyal akan terputus dan masuk kembali seperti langkah awal. Untuk mengganti ke mode awal cukup pilih Wireless Route.



6. Masuk ke Wireless kemudian ke Basic Settings dan dapat merubah nama Wi-Fi(SSID) sesuai keinginan. Pilih save makan nama wifi akan berubah.

- Setelah itu masuk ke dalam Wireless Security untuk setting password untuk keamanan Wi-Fi sesuai keinginan.

ID	MAC Address	Current Status	Received Packets	Sent Packets	SSID
1	54:6C:EB:CE:E7:44	Associated	933	1,744	Muhammad Rivaldi
2	8C:AA:CE:47:59:9D	Associated	418	194	Muhammad Rivaldi
3	C6:57:73:79:07:41	Associated	90	53	Muhammad Rivaldi

- Setelah nama dan password yang di atur tadi, masuk ke Wireless Statistics untuk melihat perangkat siapa saja perangkat yang tersambung.

**Wireless MAC Filtering Help**

The Wireless MAC Address Filtering feature allows you to control the wireless stations accessing the AP, which depend on the station's MAC addresses.

- MAC Address - The wireless station's MAC address that you want to access.
- Description - A simple description of the wireless station.
- Status - The status of this entry, either Enabled or Disabled.
- Host - The wireless name.

To disable the Wireless MAC Address Filters feature, keep the default setting, Disable.

To set up an entry, click Enable and follow these instructions: First, you must decide whether the specified wireless stations can or cannot access the AP. If you desire that the specified wireless stations can access the AP, please select the radio button Allow. The stations specified by any enabled entries in the list to access; otherwise, select the radio button Deny the stations specified by any enabled entries in the list to access.

To add a Wireless MAC Address filtering entry, clicking the Add New button, and following these instructions:

- Enter the appropriate MAC Address into the MAC Address field. The format of the MAC Address is XX:XX:XX:XX:XX:XX (X is any hexadecimal digit). For example, 00:0A:EB:B0:00:00.
- Enter a simple description of the wireless station.
- Status - Select Enabled or Disabled for this entry on the Status pull-down list.
- Click the Save button to save this entry.

To add another entries, repeat steps 1-4.

To edit an existing entry:

- Untuk membatasi pengguna yang terhubung dengan perangkat dapat dilakukan dengan cara membuka Wireless MAC Filtering pilih enable, lalu inputkan MAC address perangkat yang terhubung, beri deskripsi blokir kemudian save.

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- Enter a simple description of the wireless station.
- Status - Select Enabled or Disabled for this entry on the Status pull-down list.
- Click the Save button to save this entry.

To add another entries, repeat steps 1-4.

To edit an existing entry:

- Kita dapat mengatur deny dan allow. Jika deny perangkat yang bisa terhubung kecuali yang di block, lalu jika allow semua perangkat tidak bisa terhubung kecuali yang kita block.

**TP-Link Wireless N Router WR840N**  
Model No. TL-WR840N

**LAN Settings**

MAC Address: 54 AF 97 A4 EA F4  
IP Address: 192.168.0.1  
Subnet Mask: 255.255.255.0

**LAN Help**  
You can configure the IP parameters of LAN on this page.

- **MAC Address** - The physical address of the LAN ports, as seen from the LAN. The value cannot be changed.
- **IP Address** - Enter the IP address of your Device in dotted-decimal notation (factory default - 192.168.0.1).
- **Subnet Mask** - An address code that determines the size of the network. Usually it is 255.255.255.0.

**Note:**

1. If you change the IP address, you must use the new IP address to login to the Device.
2. If the new LAN IP address you set is not in the same subnet with the previous one, the IP Address pool in the DHCP Server will be configured automatically, but the Virtual Server and DMZ Host will not take effect until they are re-configured.

Click the **Save** button to save your settings.

[Support](#) [App](#)

11. Kita juga dapat melihat IP Address dan Subnet Mask Router dengan cara memilih Network lalu pilih LAN.