

LAPORAN PRAKTIKUM CONFIG MIKROTIK

Kelompok :

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1. Persiapan Awal

- Koneksi Fisik



- Sambungkan kabel pendek dari laptop ke port 4 Routerboard.
- Sambungkan kabel panjang ke port 1 Routerboard (PoE In)



Gambar 1



Gambar 2

- Gambar 1 menyambungkan kabel ethernet dari port 1 Routerboard (PoE In) ke sumber listrik
- Gambar 2 menyambungkan kabel ethernet dari port 4 Routerboard ke Laptop

- Reset Routerboard:

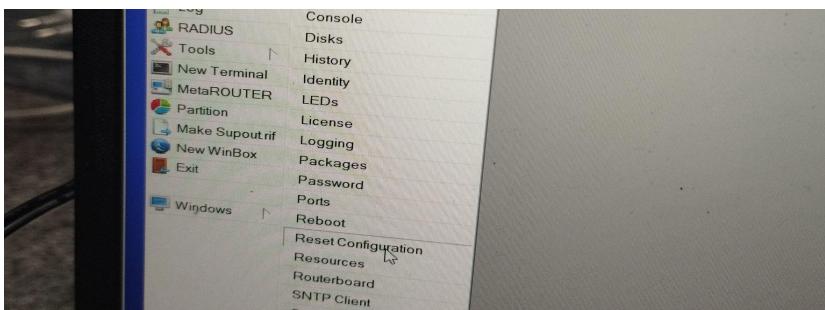
- Hard Reset:



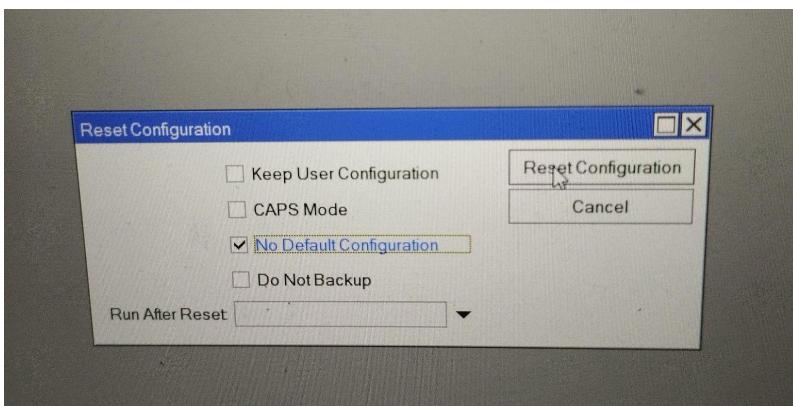
- Cabut semua kabel dari Routerboard.
 - Tekan tombol reset pada Routerboard hingga lampu berkedip-kedip.
 - Sambungkan kembali daya ke Routerboard tanpa melepas tombol reset hingga proses selesai

- Soft Reset

- Dilakukan jika metode hard reset gagal

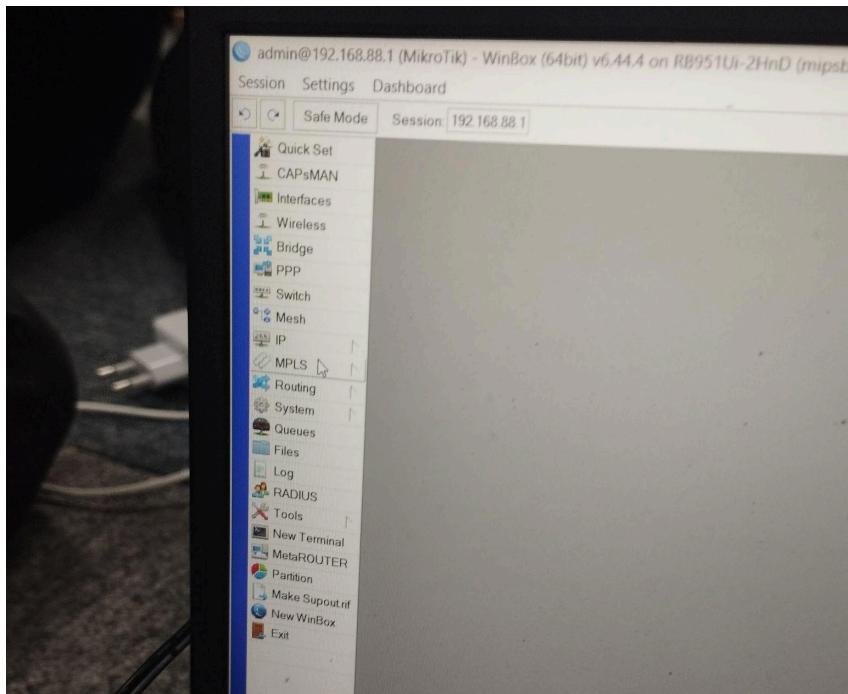


- Masuk ke settings lalu pilih menu Reset Configuration

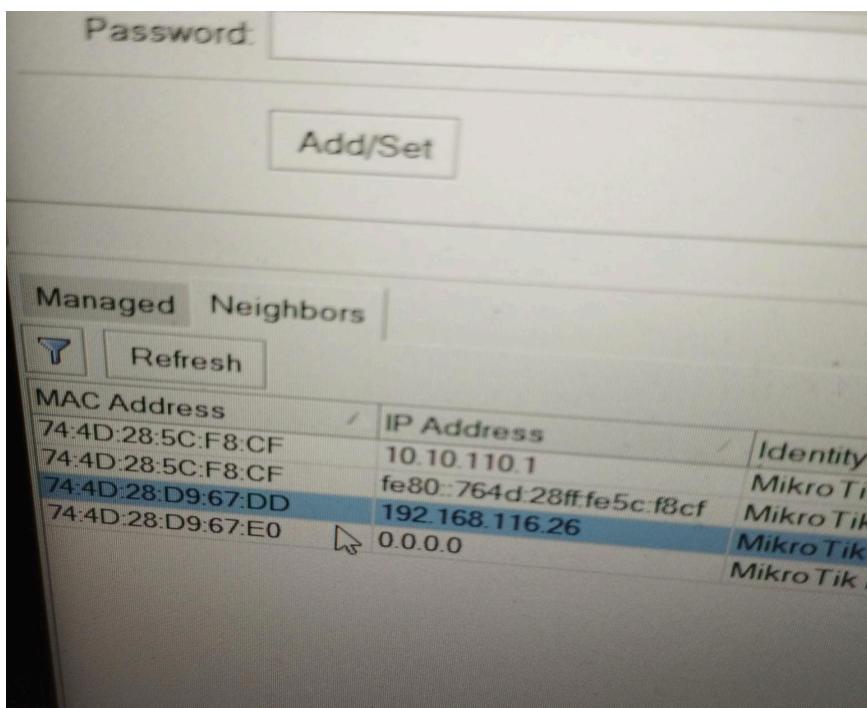


- Pilih No Default Configuration, lalu Reset Configuration

2. Koneksi ke Routerboard dengan Winbox

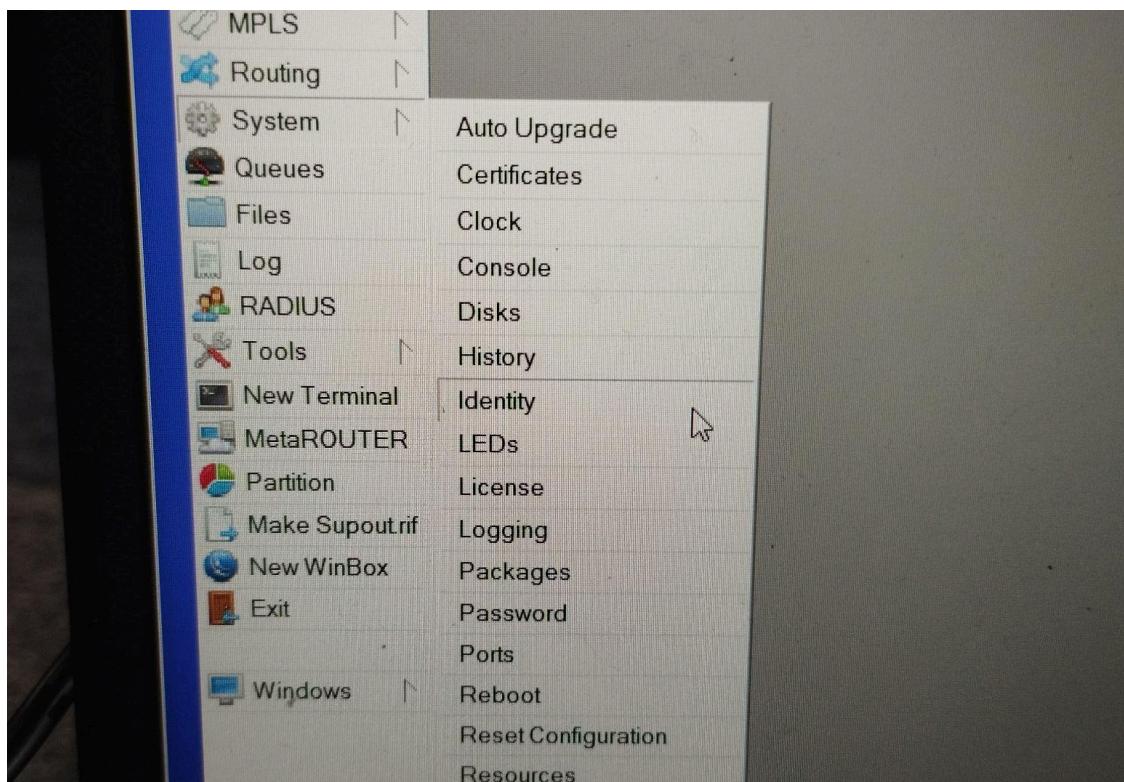


- Gunakan aplikasi Winbox untuk menghubungkan laptop dengan Routerboard.

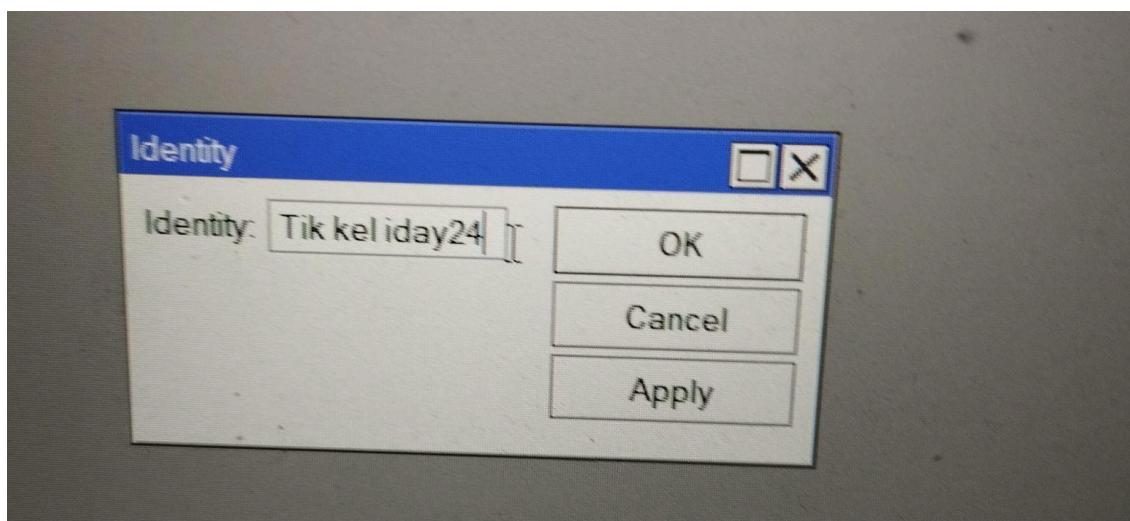


- Pilih MAC Address dari Routerboard yang terdeteksi di Winbox.

3. Penyesuaian Identitas Routerboard



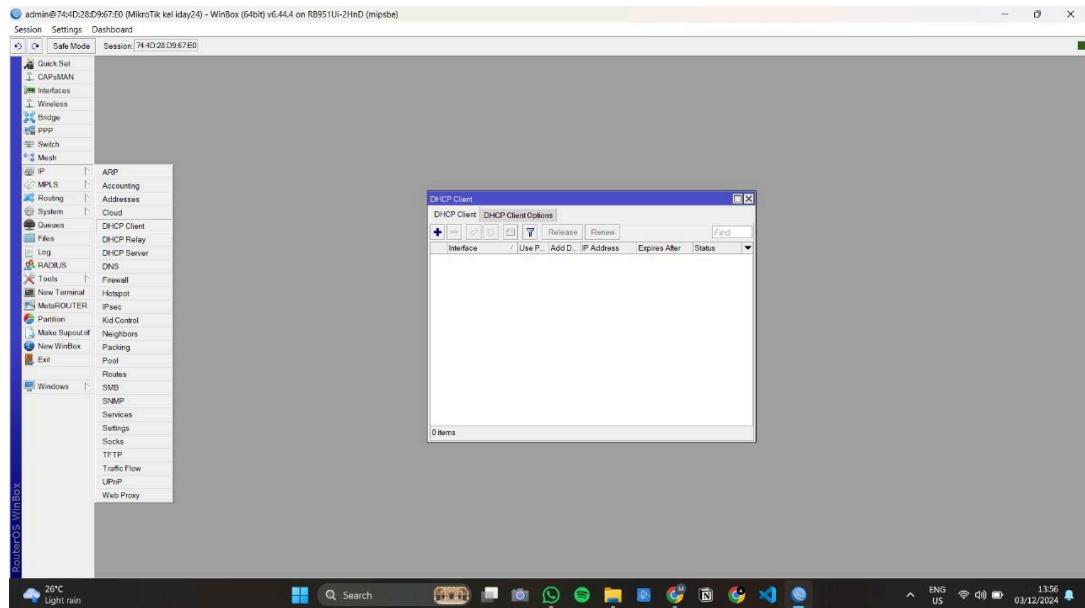
- Buka menu System > Identity.



- Masukkan nama identitas untuk Routerboard (contoh: "MikroTik Kel Iday24").

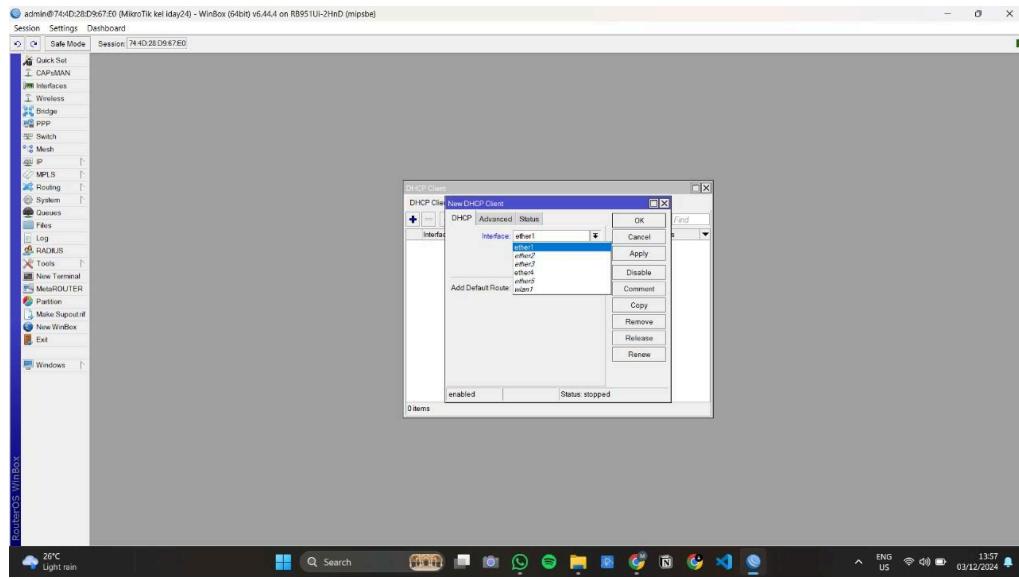
4. Konfigurasi DHCP Client

- *Masuk menu config DHCP*



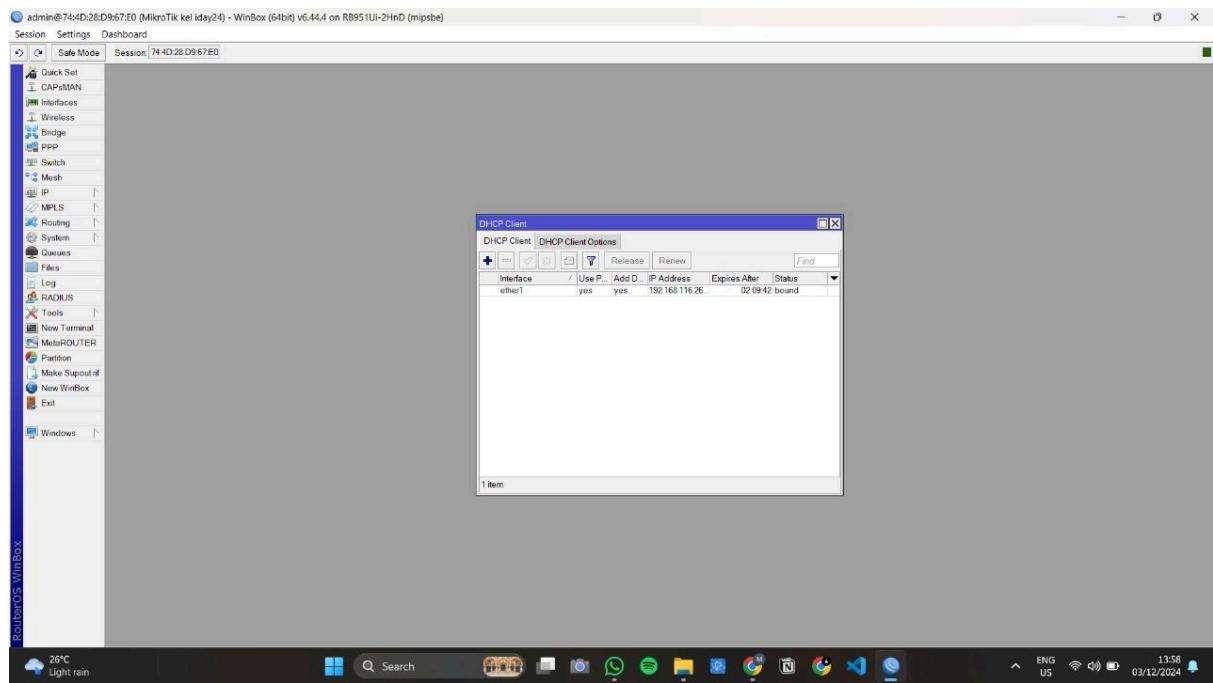
- Buka menu IP > DHCP Client.
 - Tambahkan konfigurasi baru:

- Memilih interface



- Interface: ether1.
 - Klik Apply dan OK.

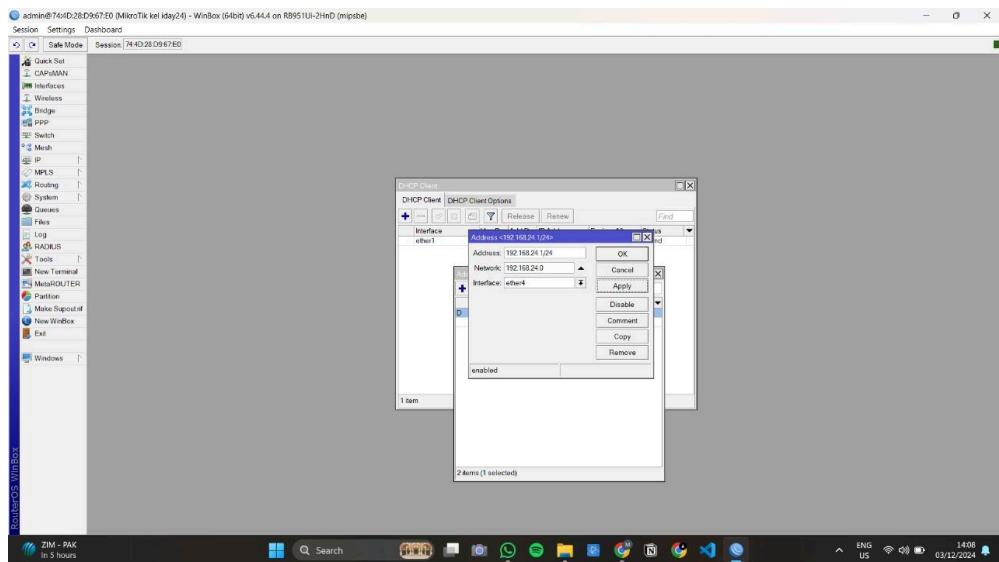
- Penambahan interface berhasil



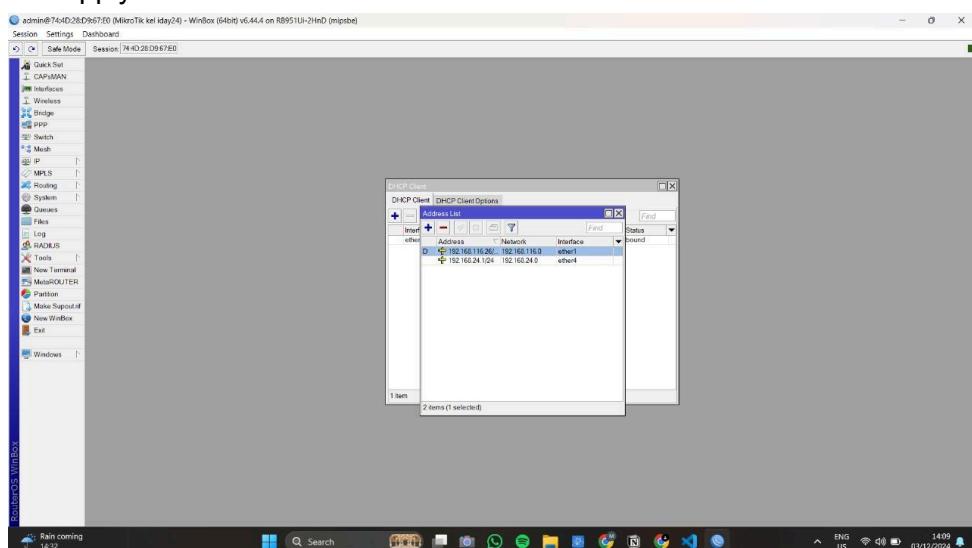
- Pastikan status menunjukkan bound.

5. Penambahan Alamat IP

- Buka menu IP > Addresses.

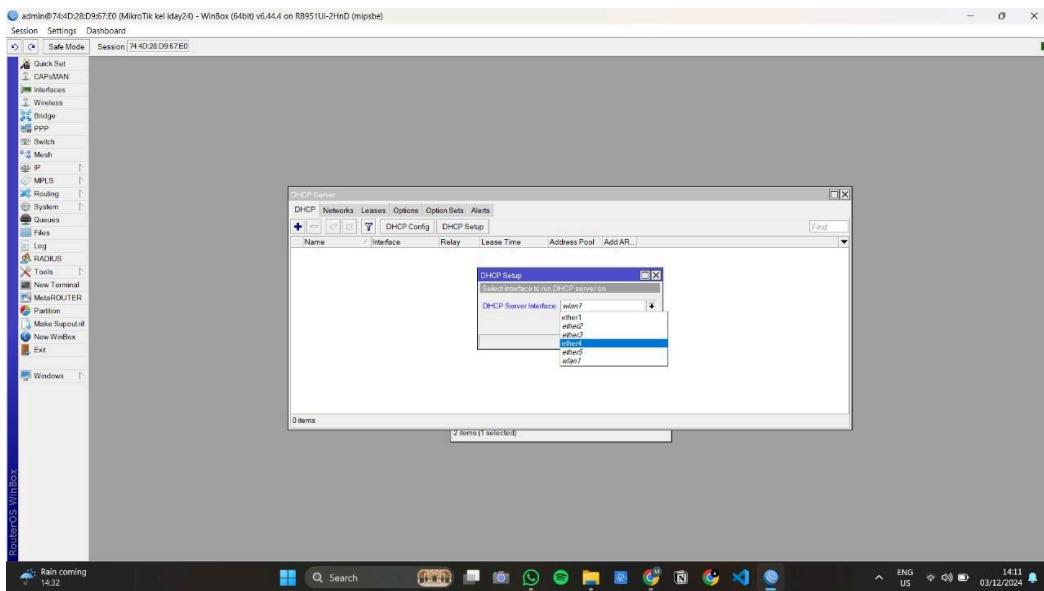


- Tambahkan konfigurasi IP baru:
 - Address: 192.168.24.1/24.
 - Network: 192.168.24.0.
 - Interface: ether4.
- Klik Apply dan OK.

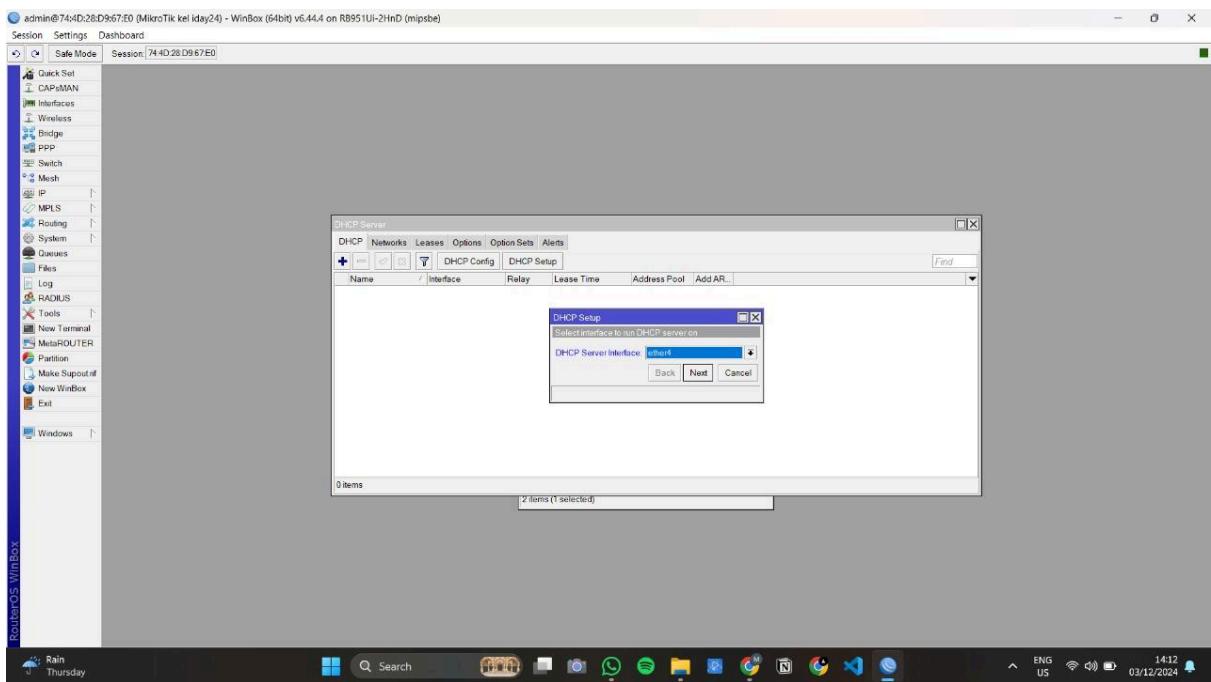


6. Konfigurasi DHCP Server

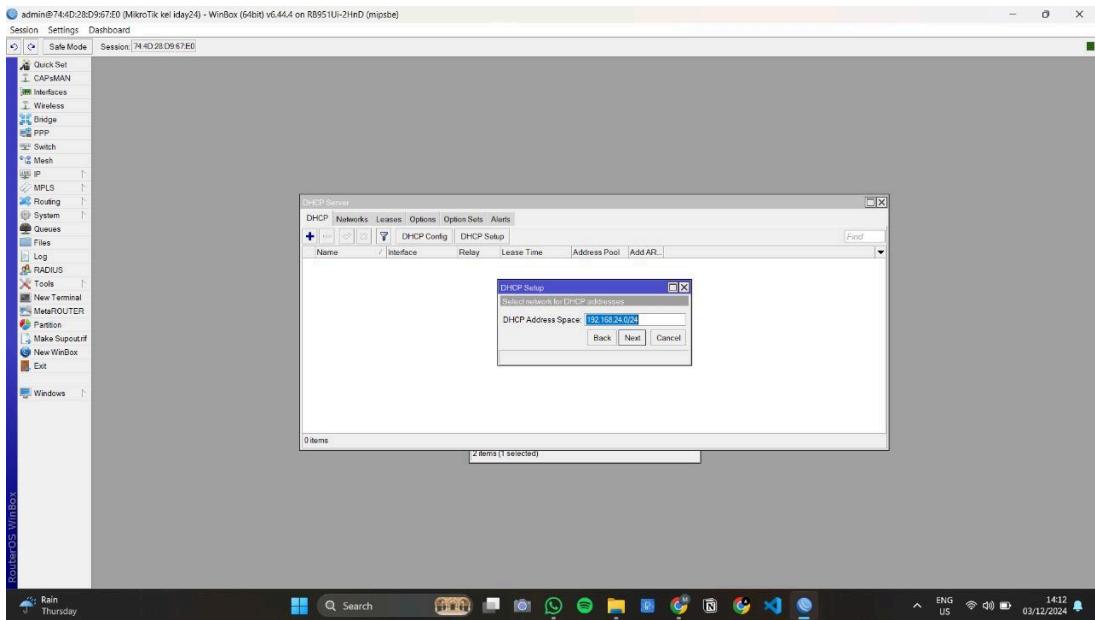
- Buka menu IP > DHCP Server > DHCP Setup.



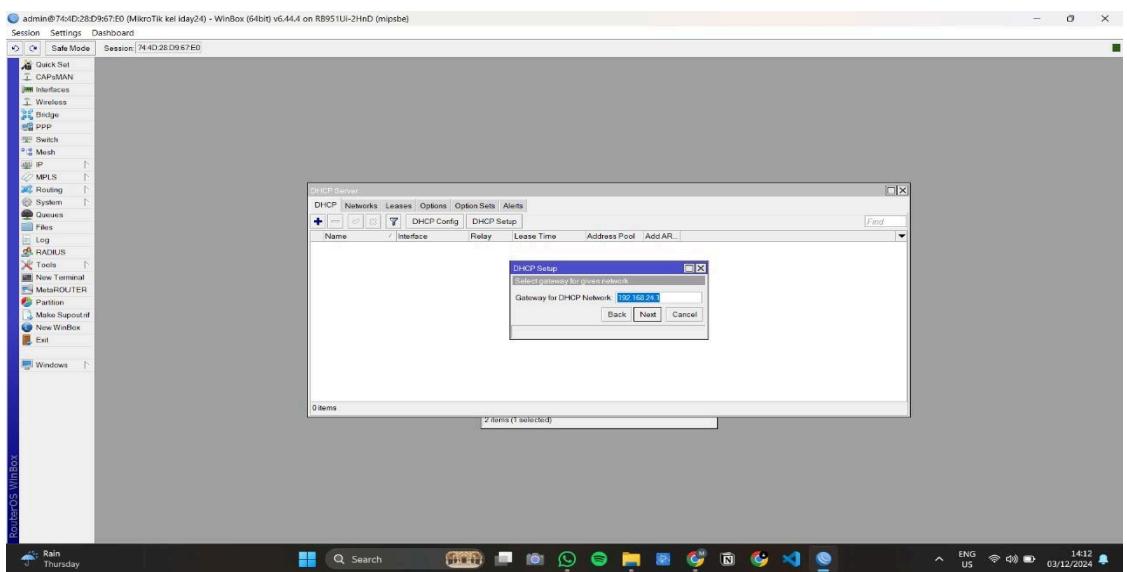
- Memilih Interface : Ether 4



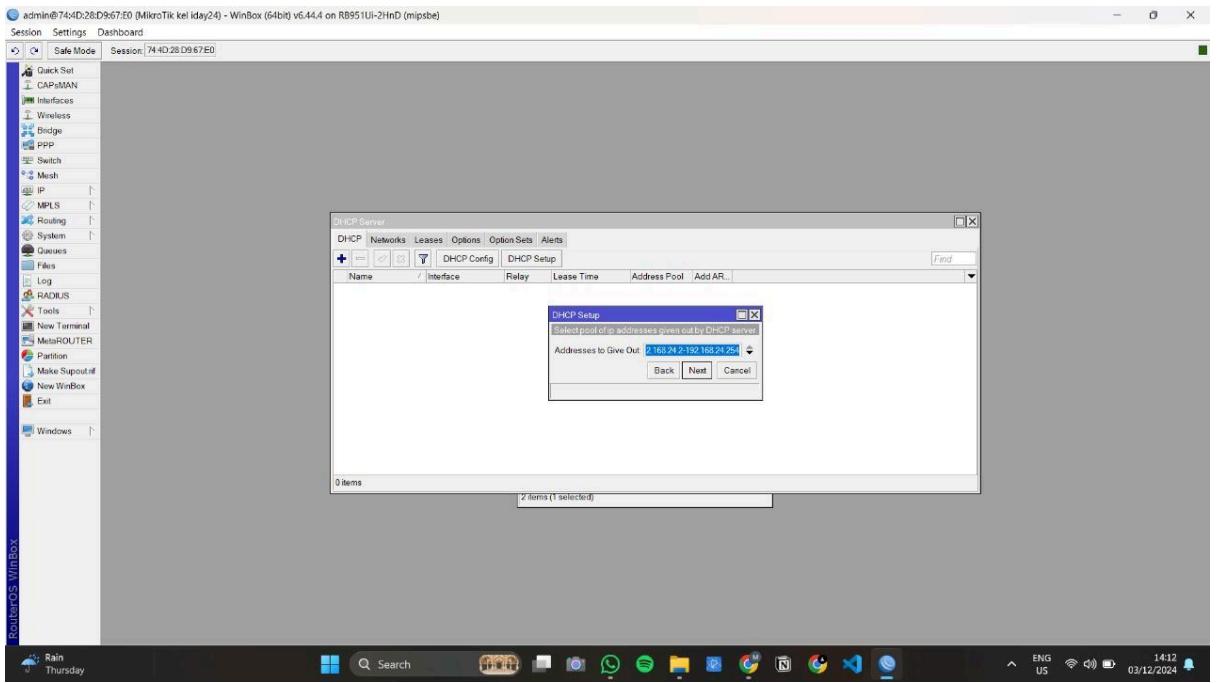
- Config DHCP Address Space



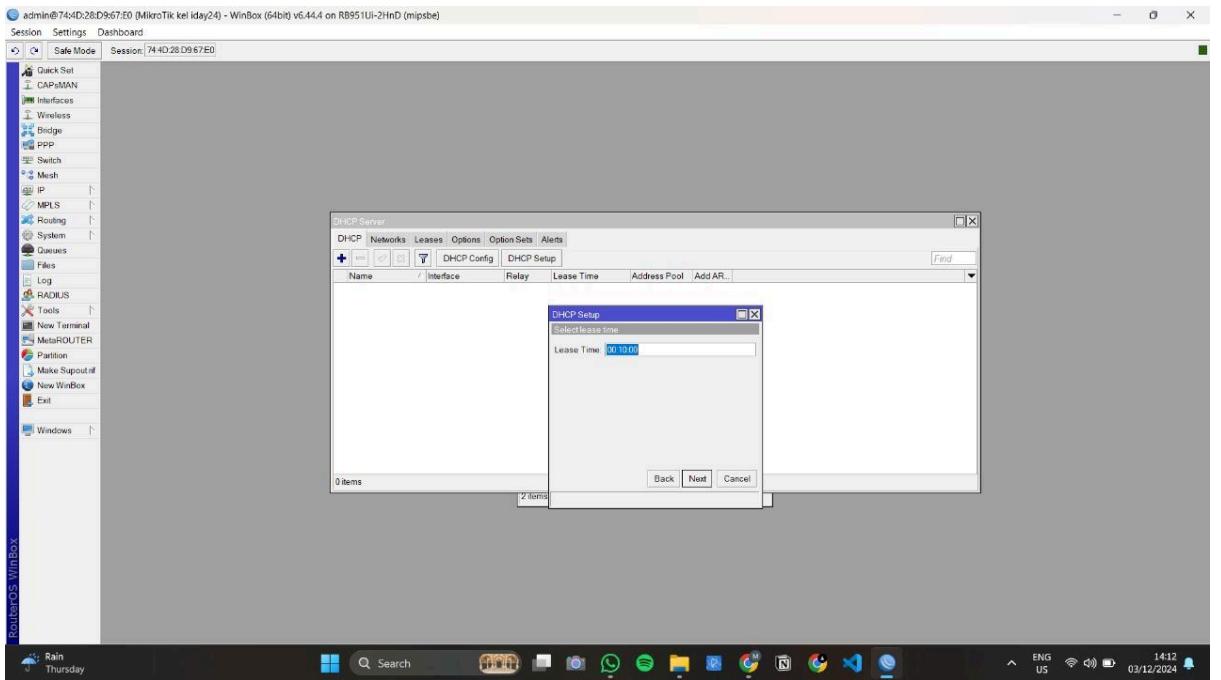
- Config DHCP Gateway



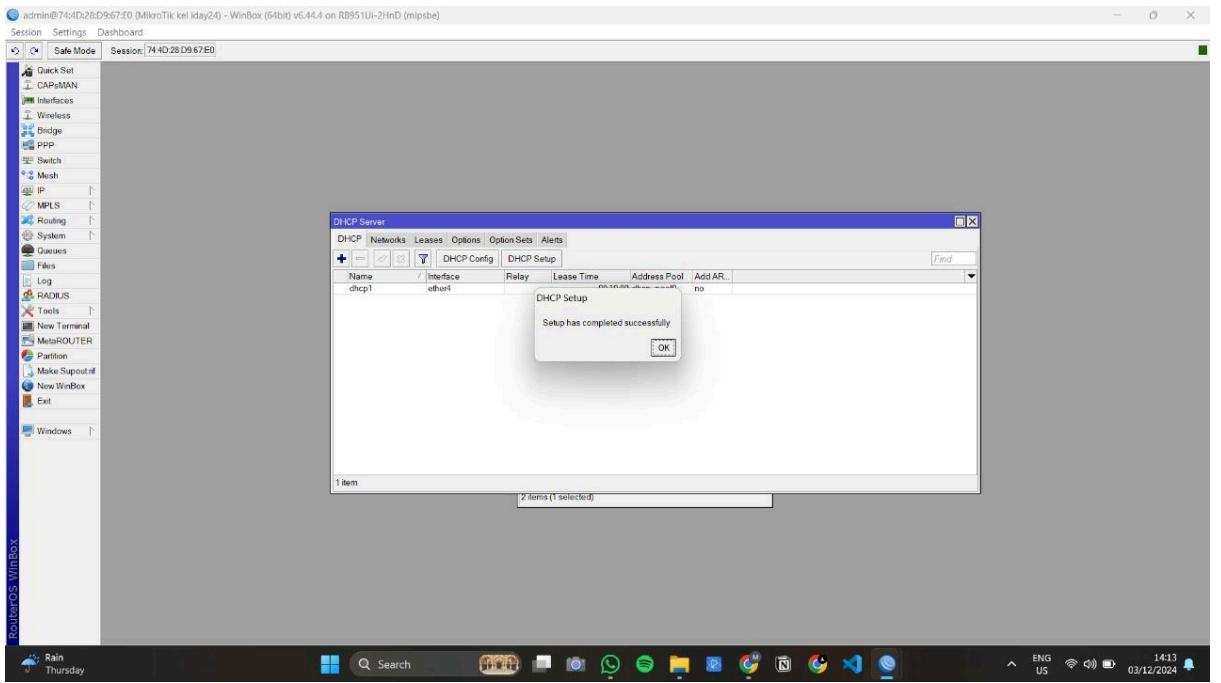
- Config Range IP Address



- Config DNS Server

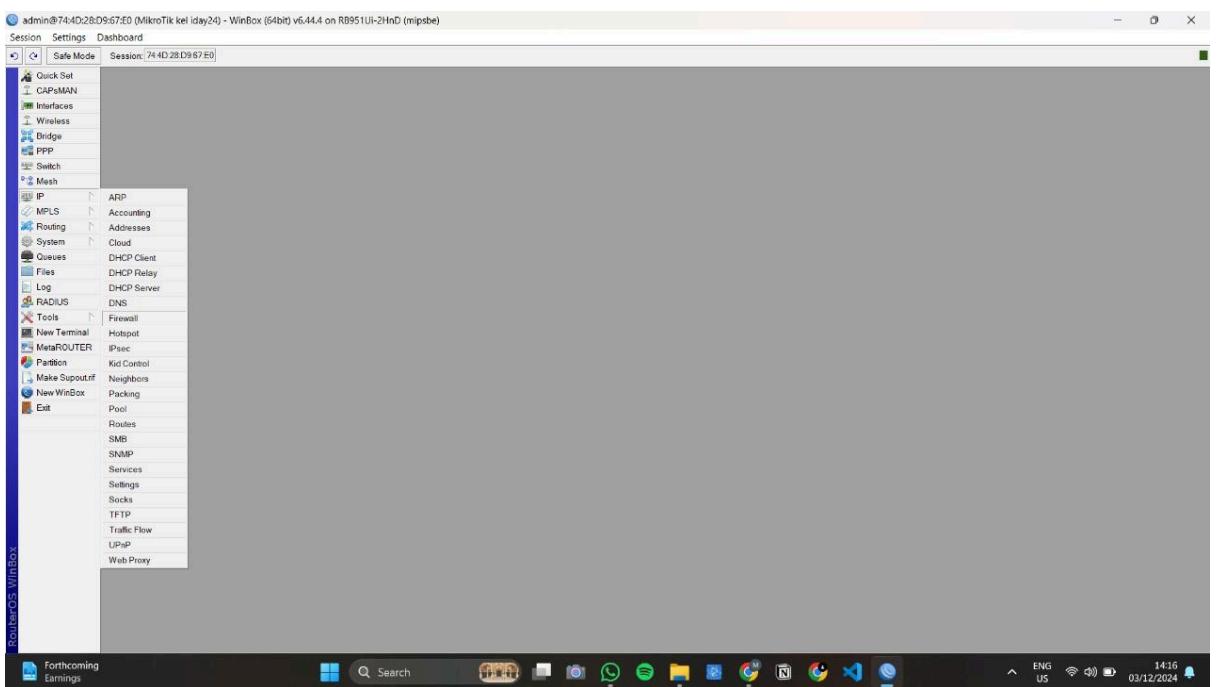


- Config DHCP Server Success

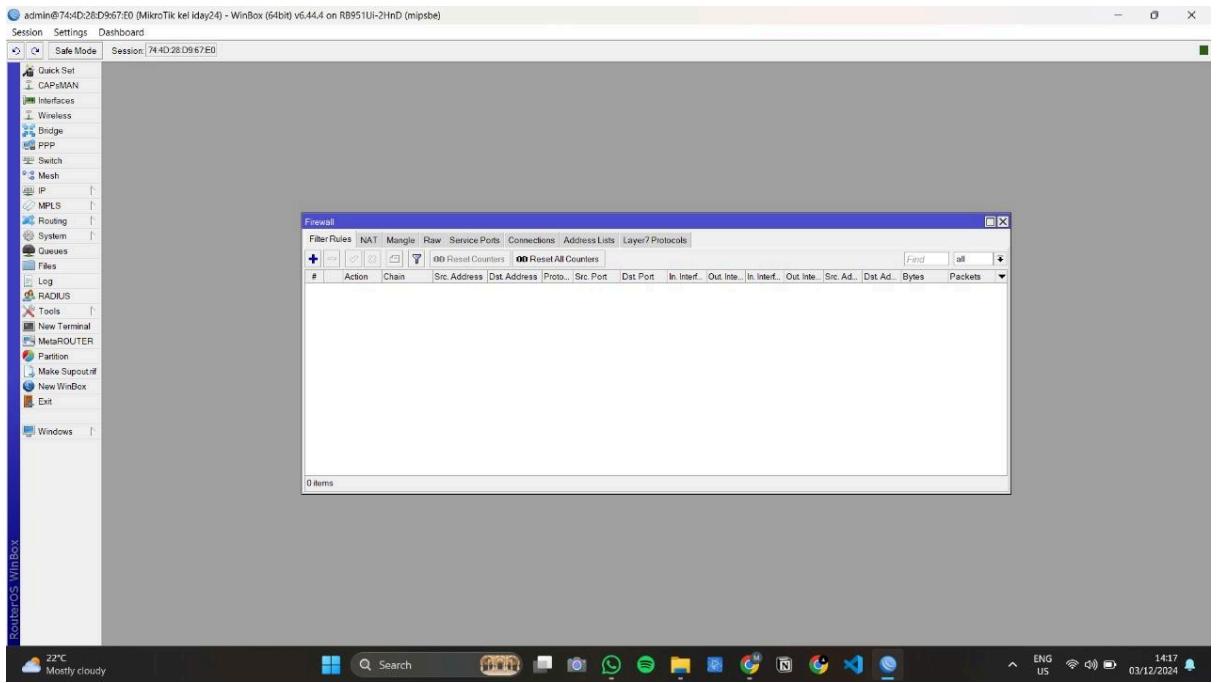


7. Konfigurasi NAT

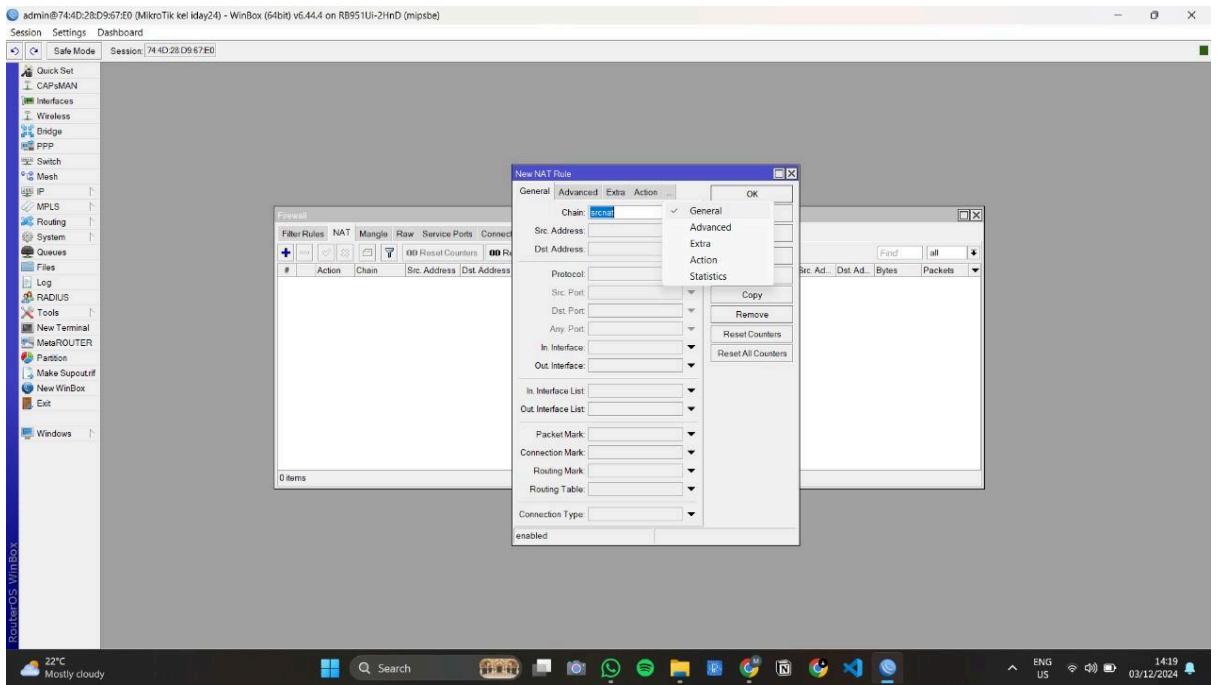
- Buka menu IP > Firewall > NAT.



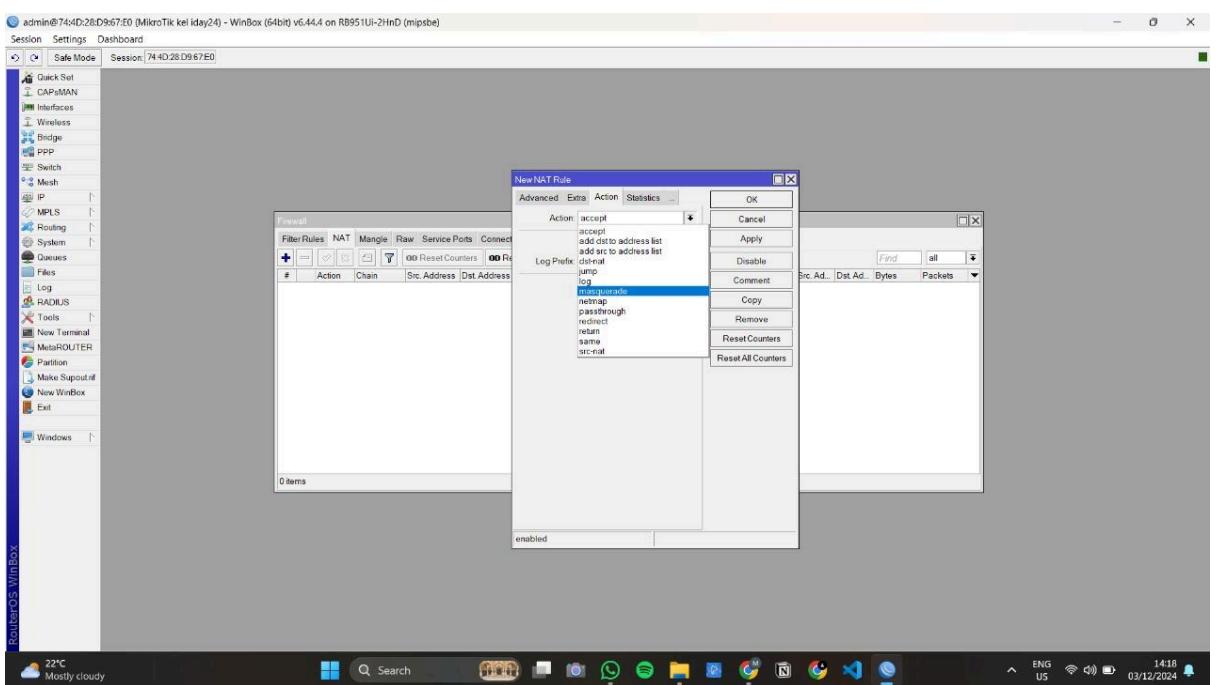
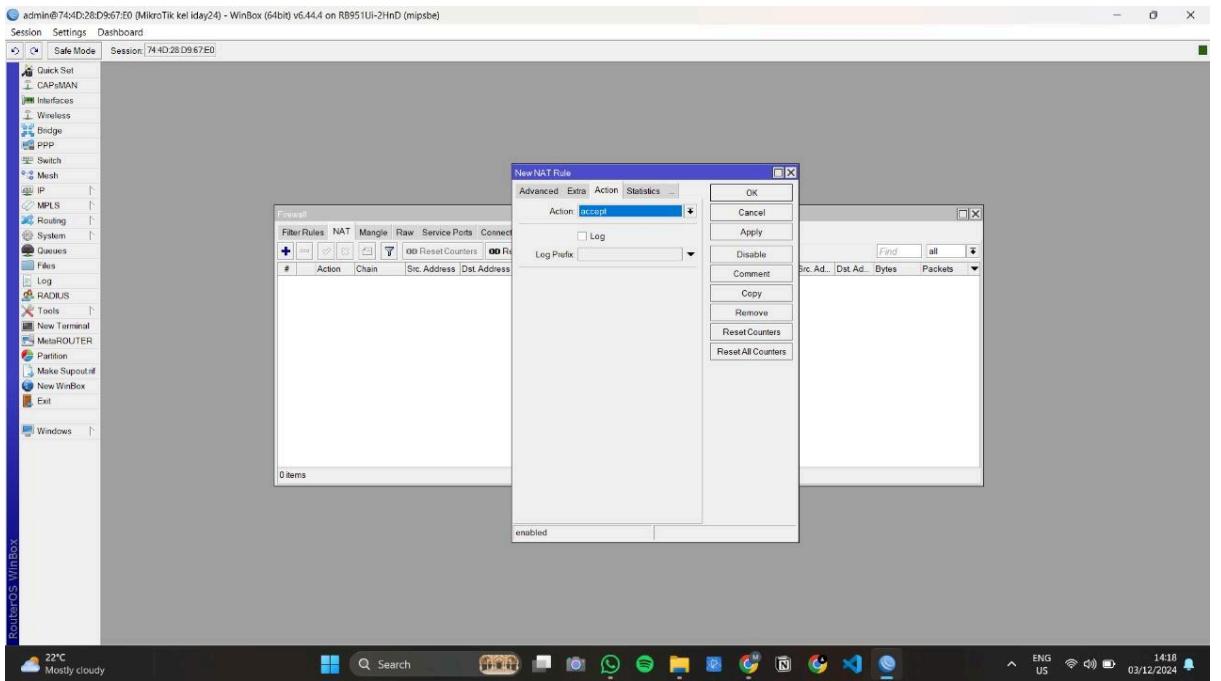
- Klik “add” untuk menambah rules baru



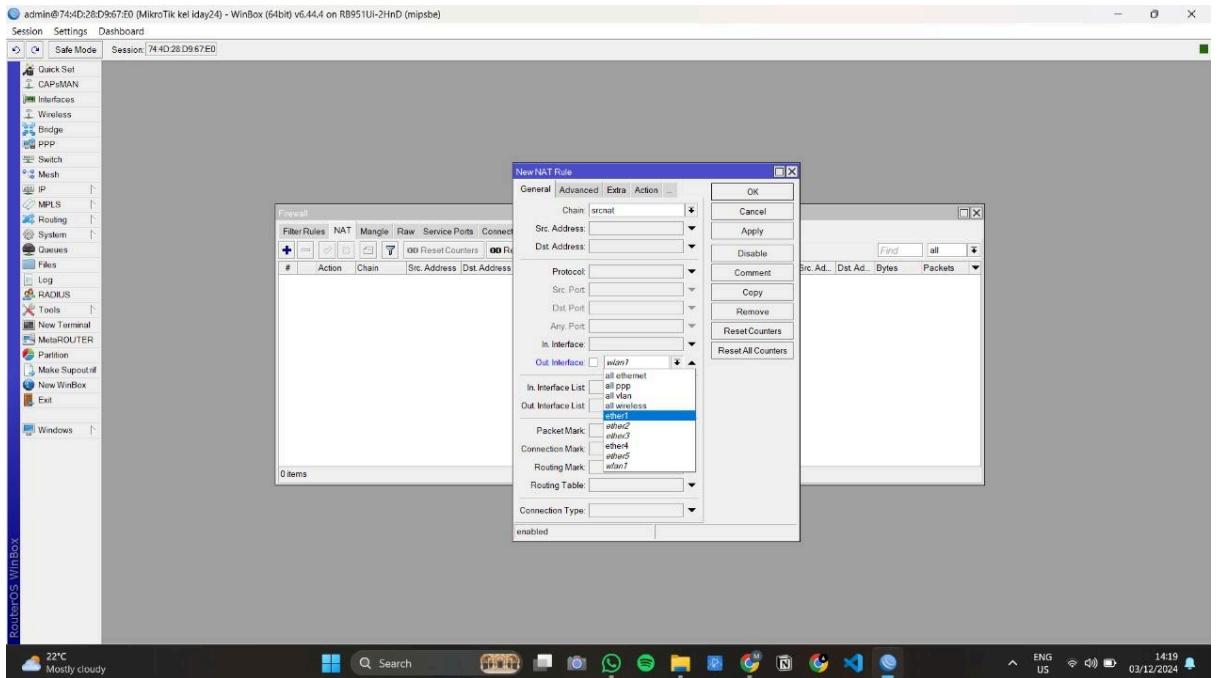
- Isi Parameter Berikut
 - Chain : scrnat



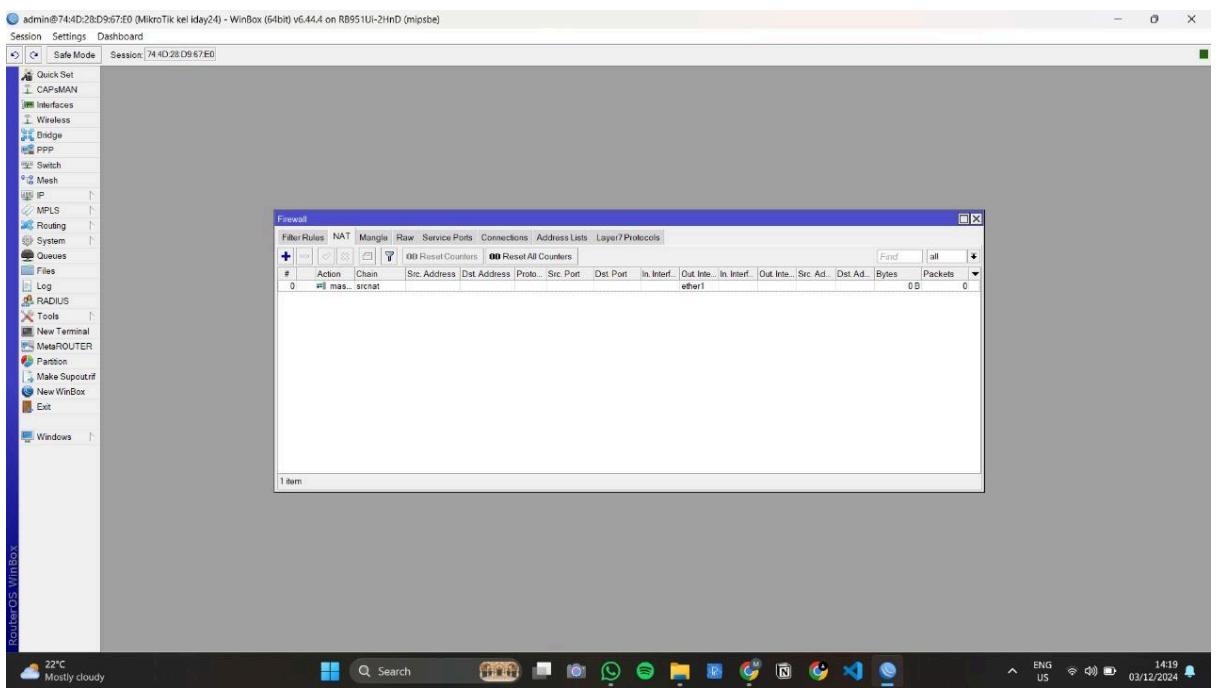
- Klik Tab Action pilih “Masquerade”



- Out Interface: ether1.

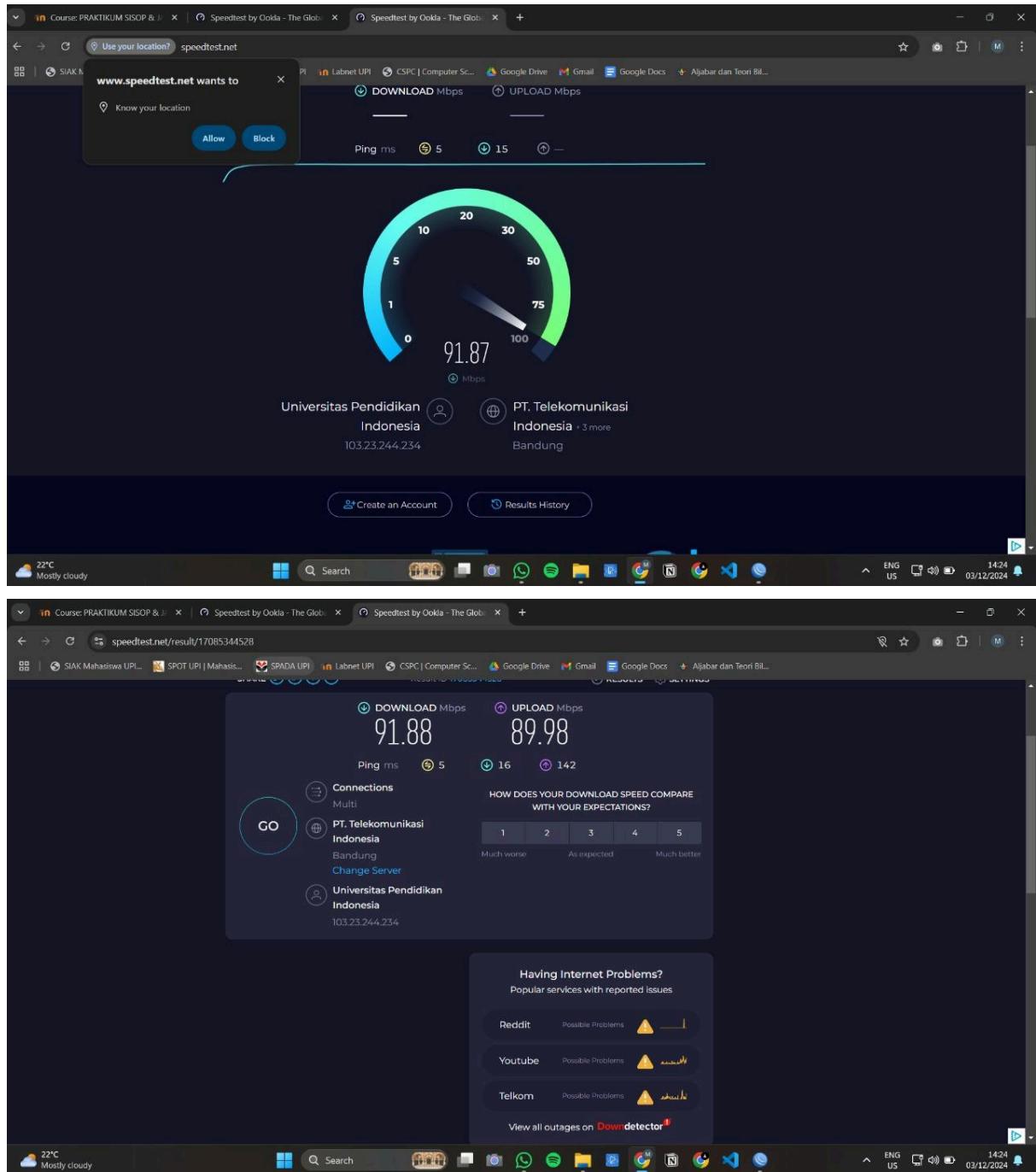


- Klik Apply dan OK.



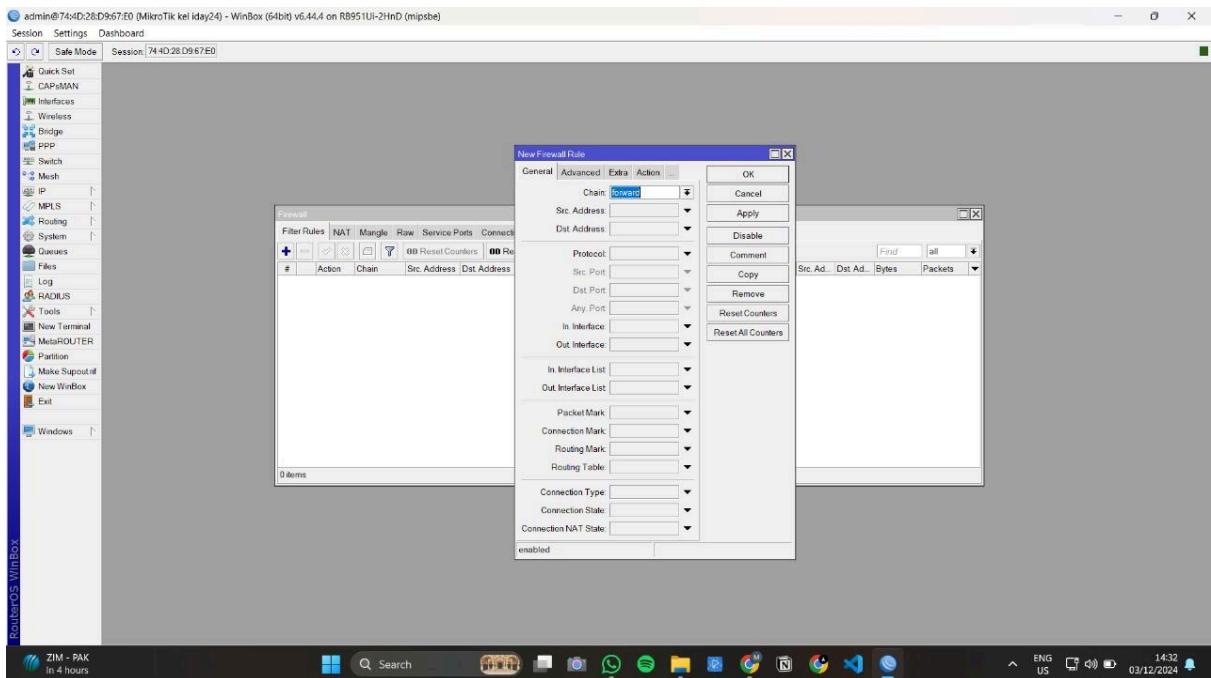
8. SpeedTest Internet

- Mencoba SpeedTest Internet

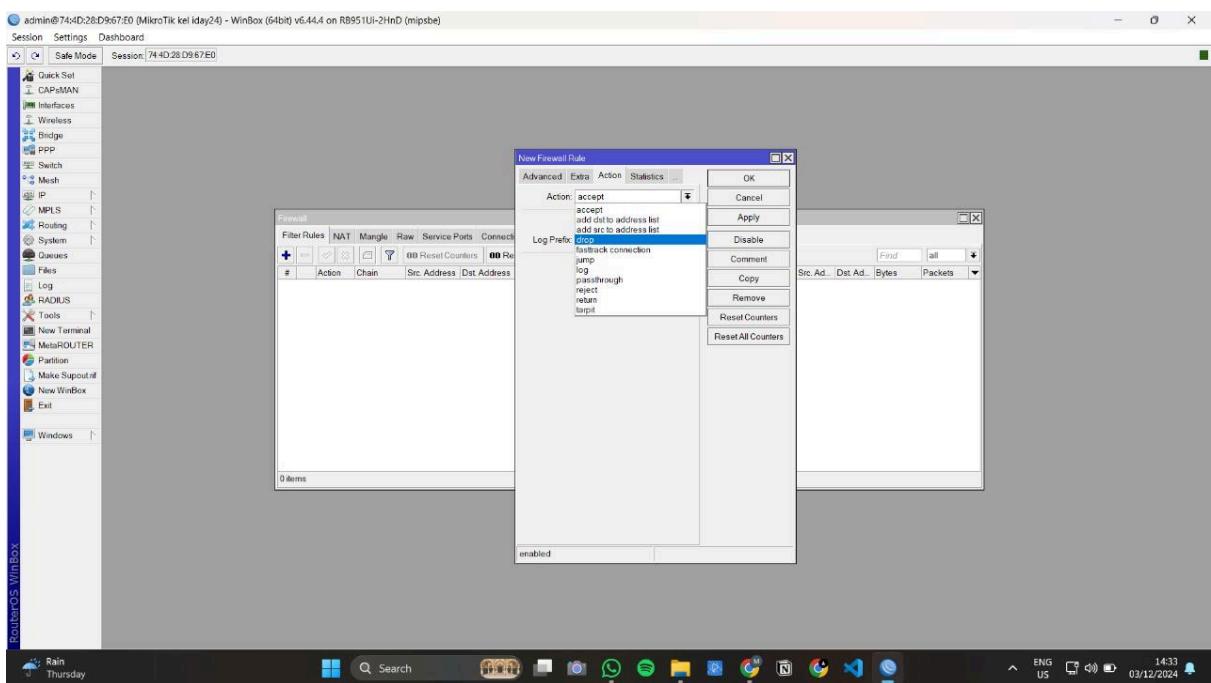


9. Konfigurasi Firewall Rules

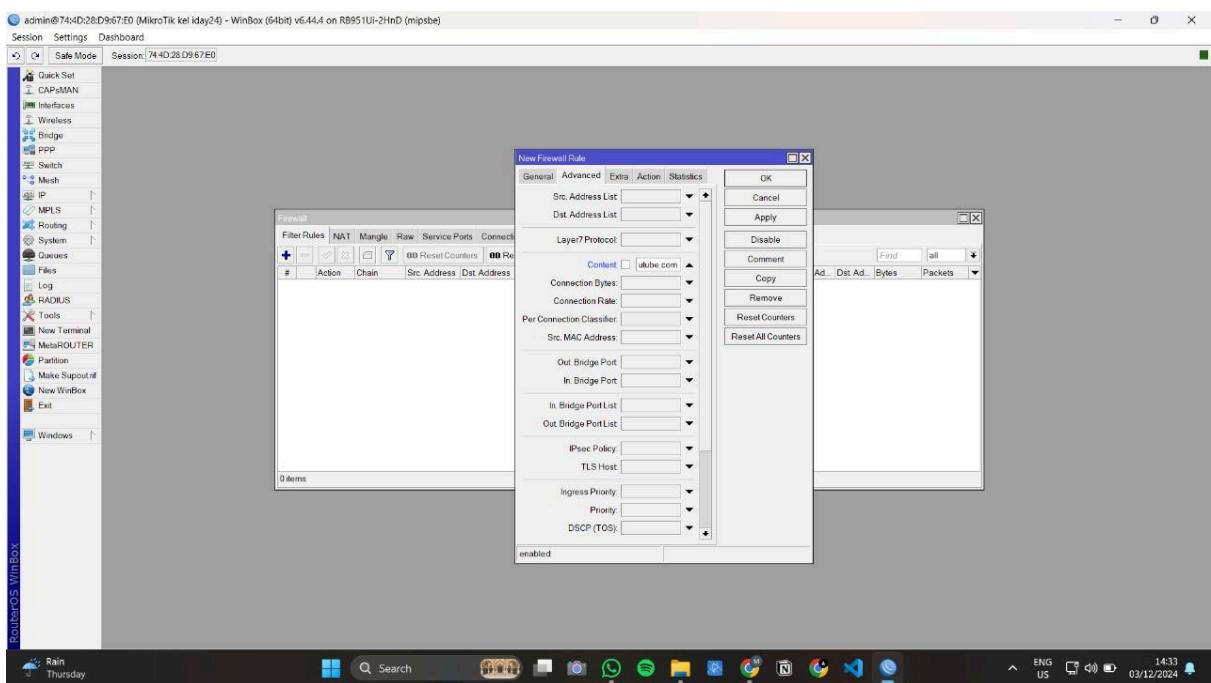
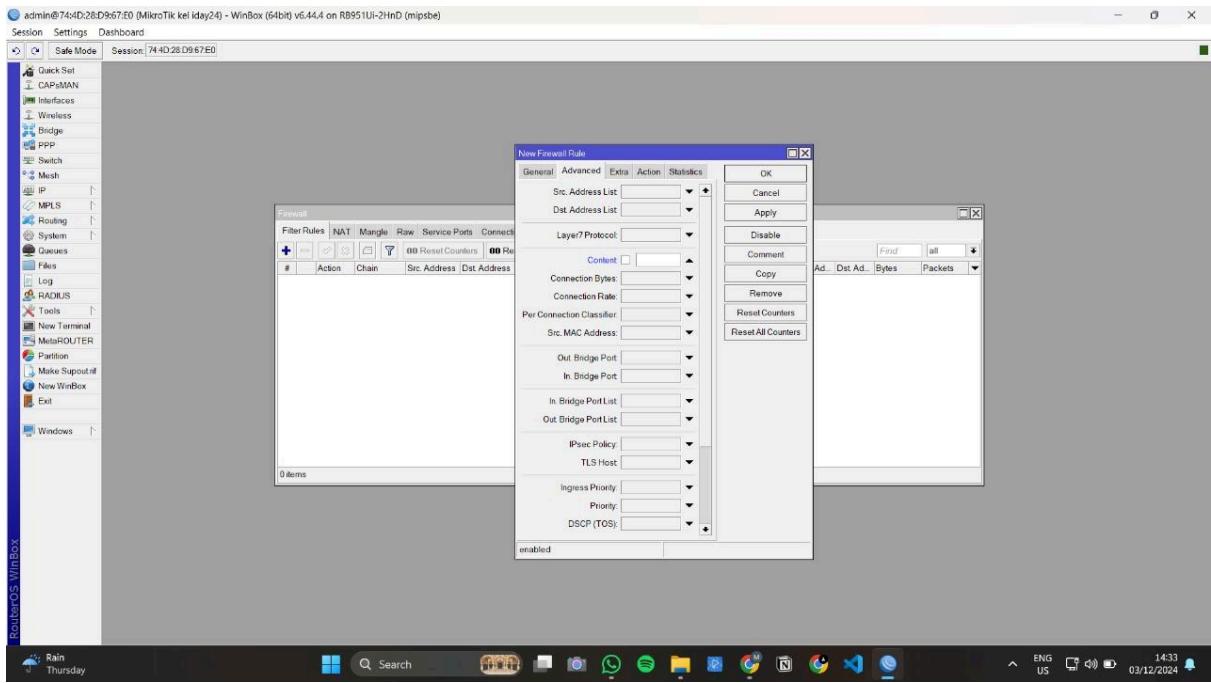
- Buka menu IP > Firewall > Filter Rules.
- Tambahkan aturan baru:
 - Chain : Forward



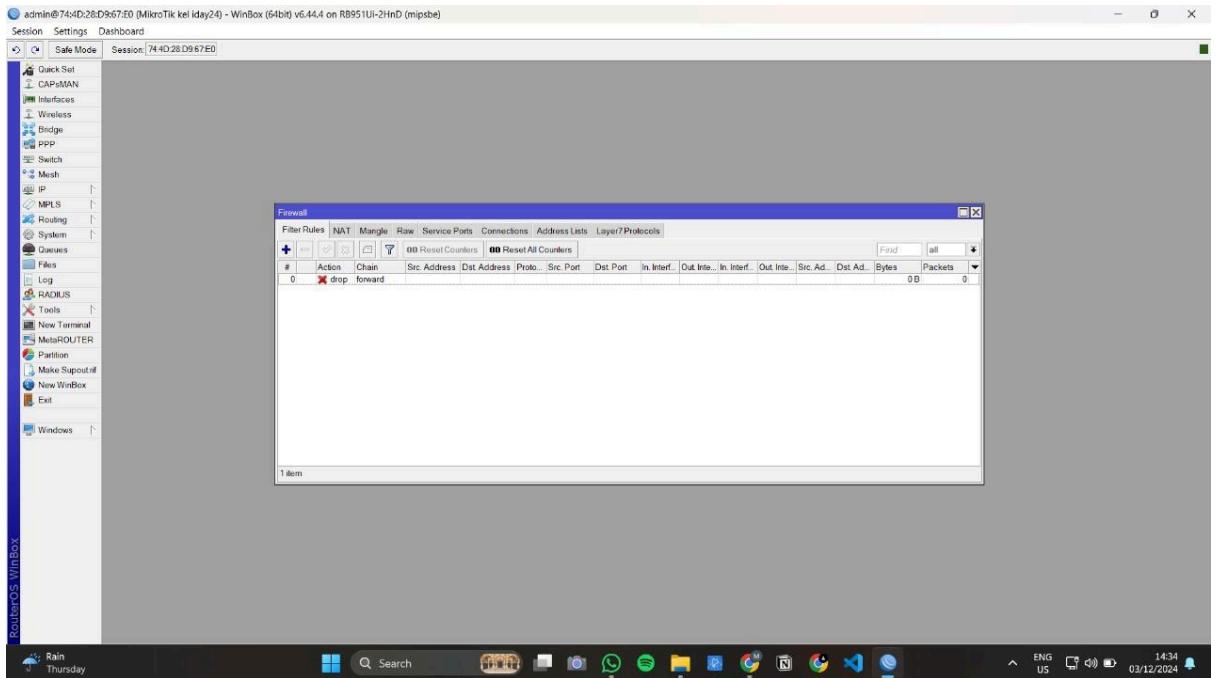
- Action: Drop.



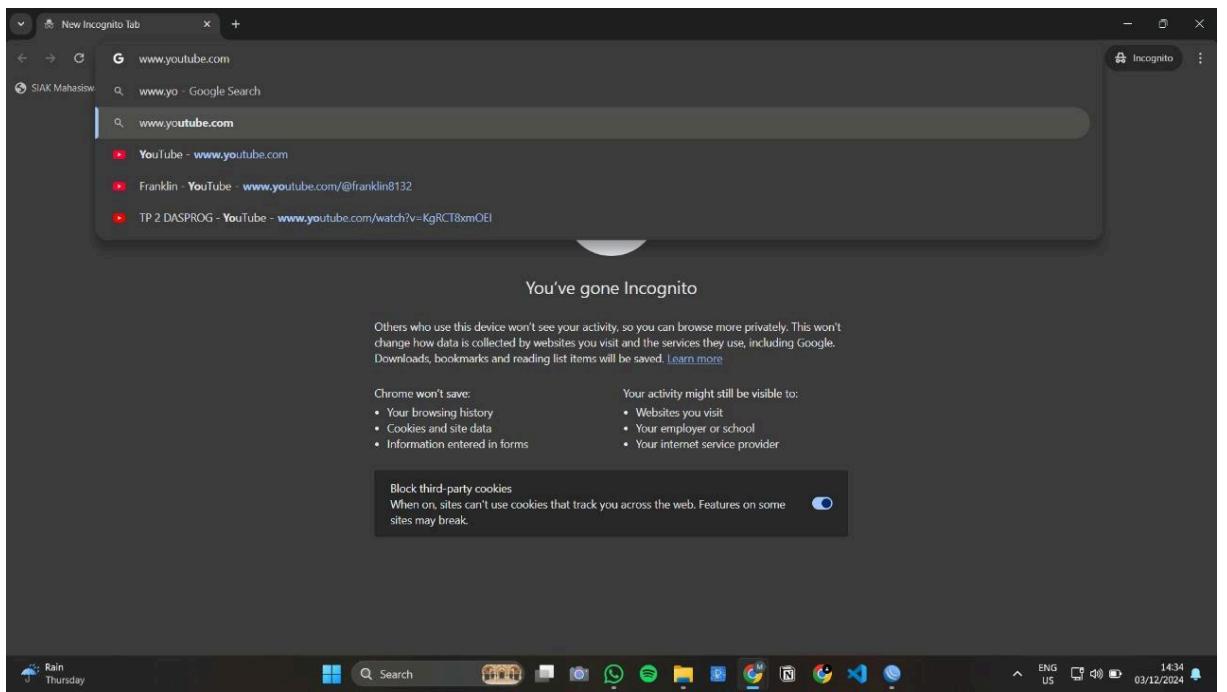
- Advanced: Isi kolom Content dengan "www.youtube.com" (tanpa checklist).

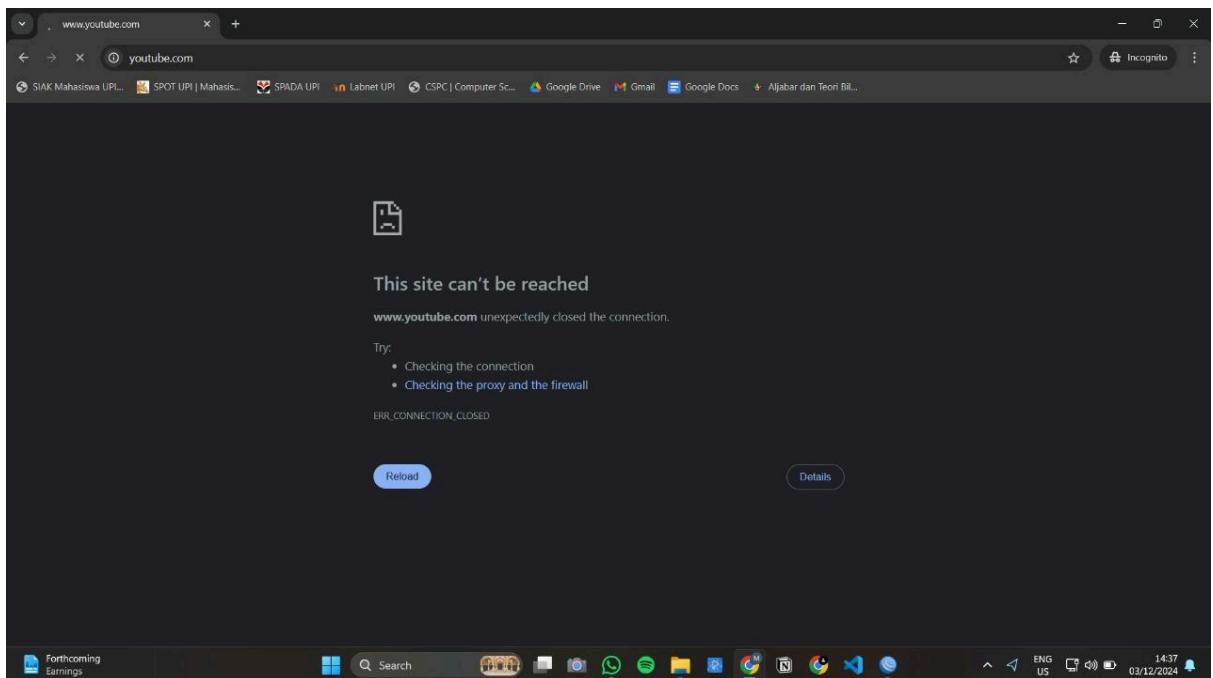


- Klik Apply dan OK.



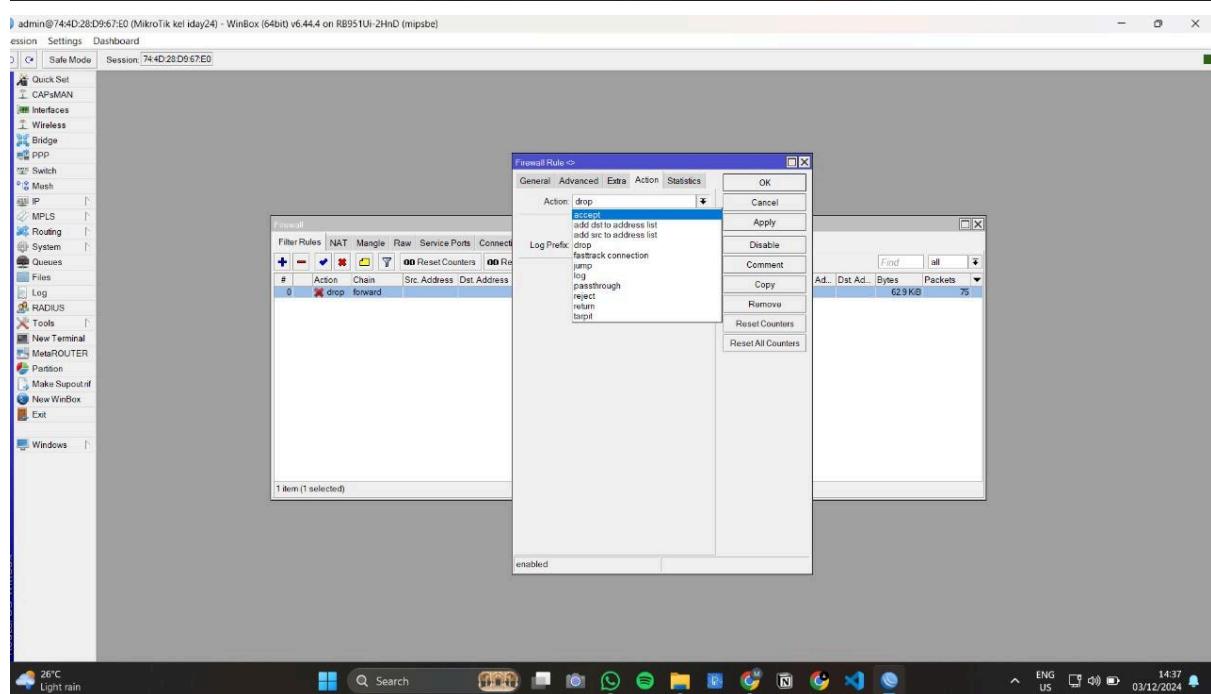
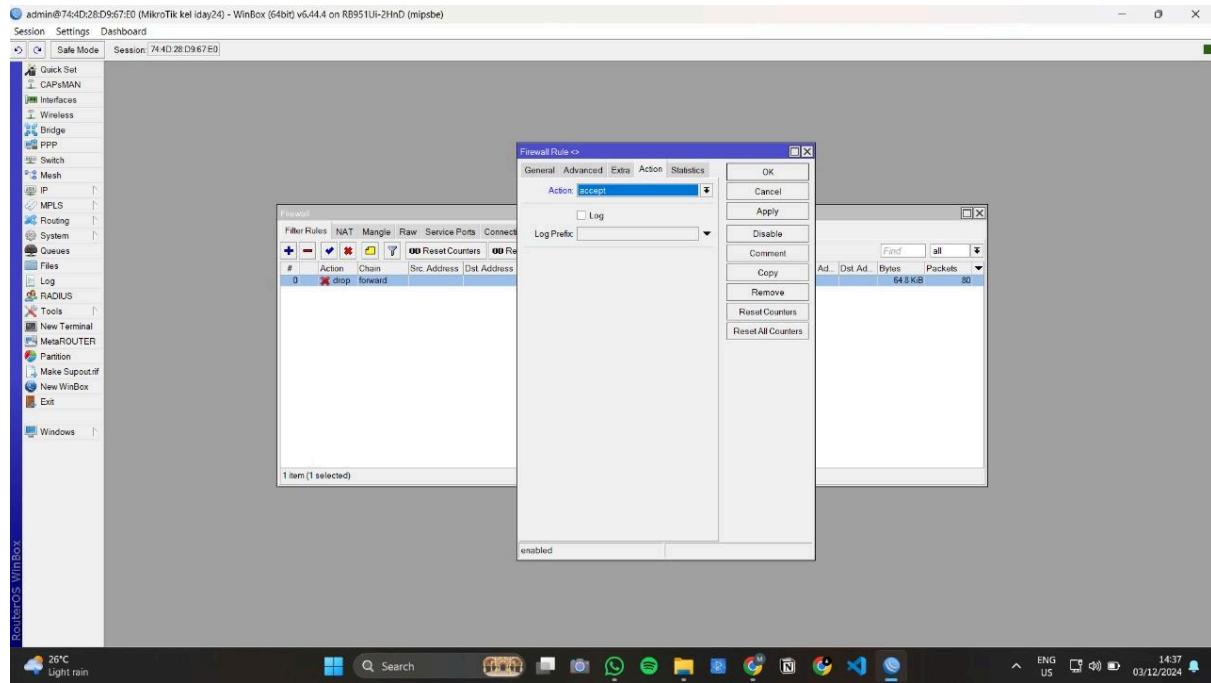
- Test connect ke Youtube (Setelah di block dengan firewall)





11. Konfigurasi ulang Firewall untuk mengizinkan acces ke Youtube

- Buka menu IP > Firewall > Filter Rules.
- Tambahkan aturan baru:
 - Action : Accept



- Test connect ke Youtube

