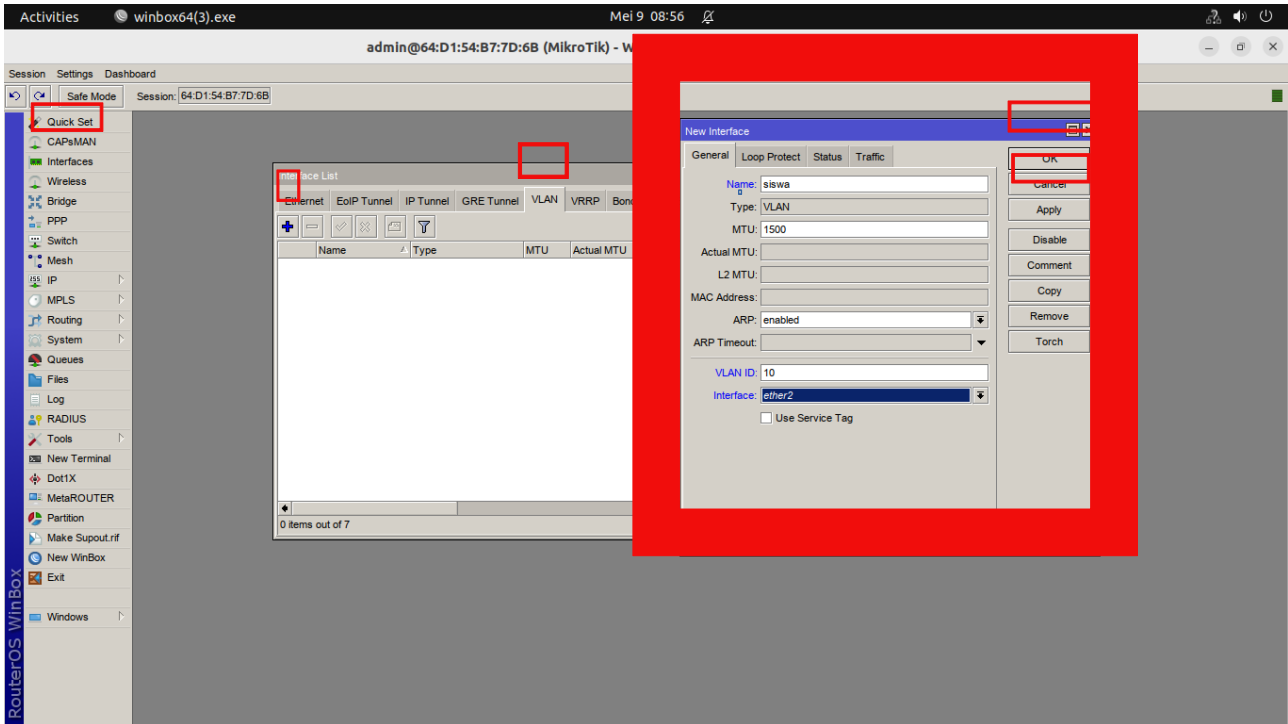


Dokumentasi Jawaban

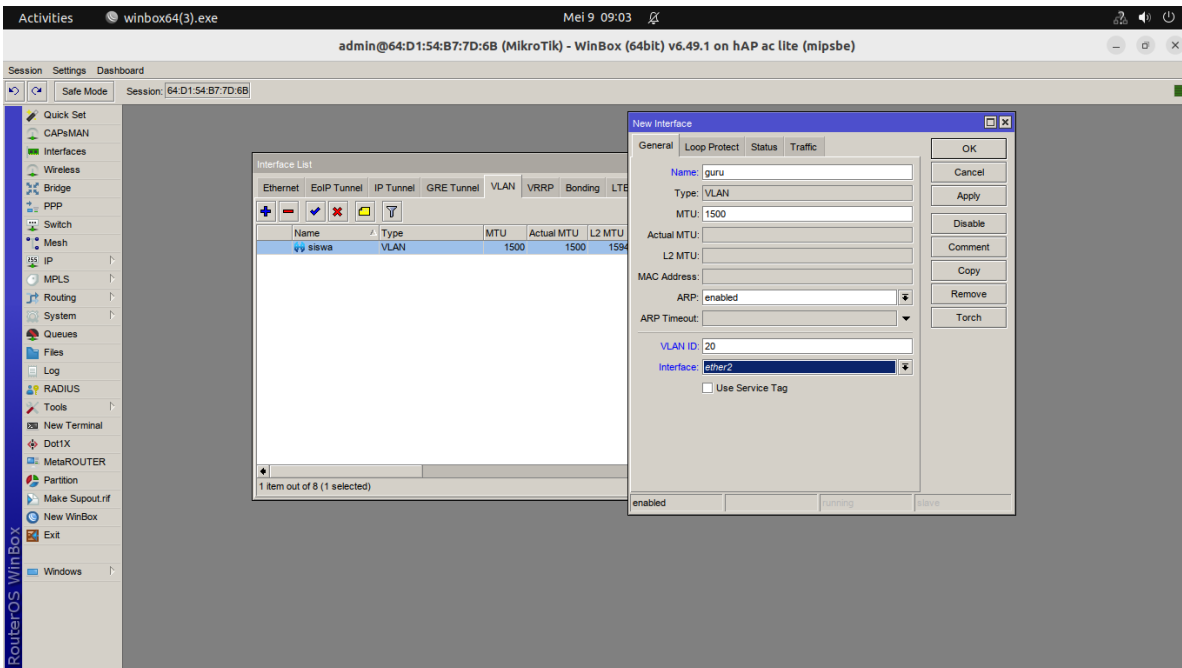
1.KONFIGURASI VLAN UNTUK SISWA DAN GURU.

A.untuk siswa



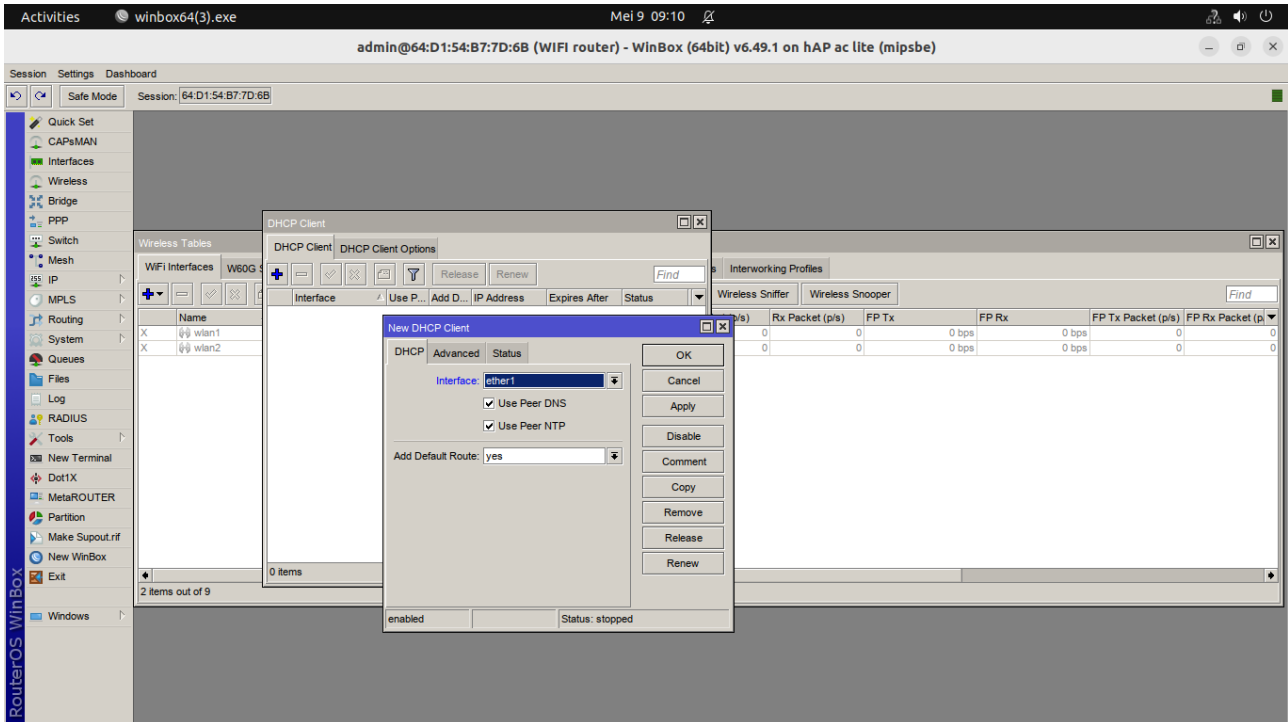
klik Interface → VLAN → + → TAMBAH sesuai kebutuhan → apply → ok

B.untuk guru



klik Interface → VLAN → + → TAMBAH sesuai kebutuhan → apply → ok

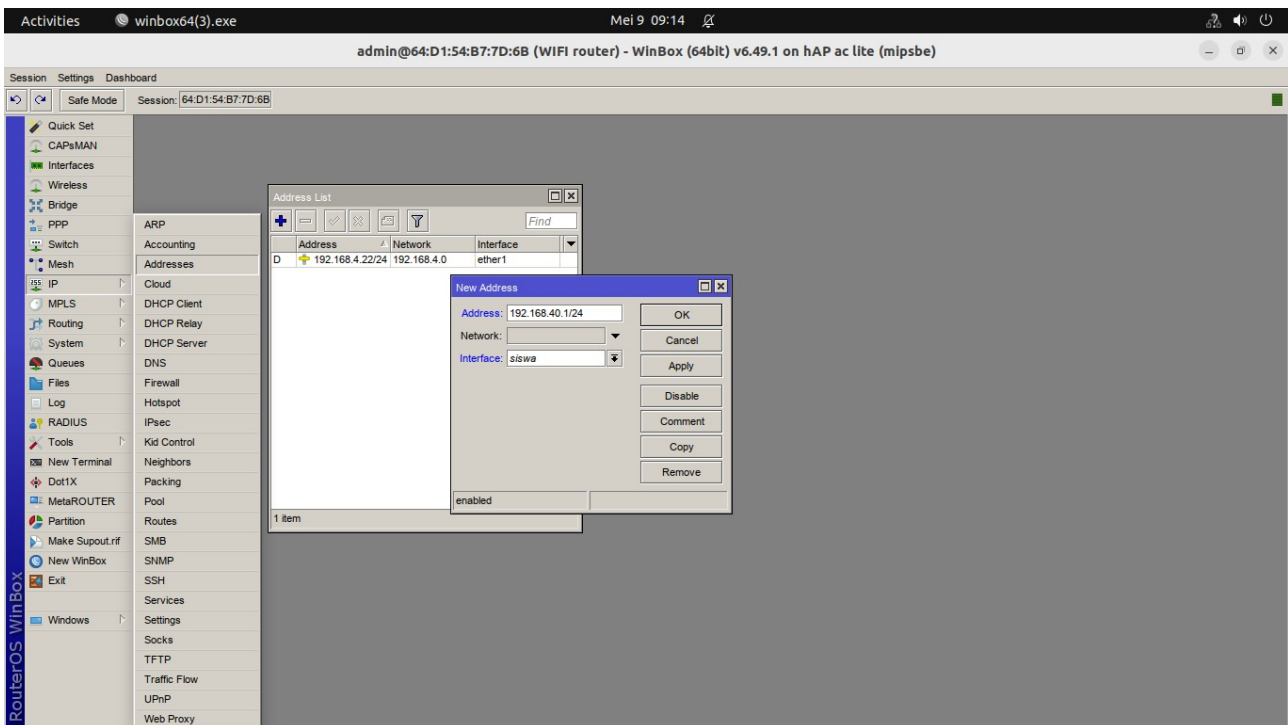
2.konfigurasi ether-1



Klik IP → DHCP client → + → konfigurasi sesuai kebutuhan → apply → ok

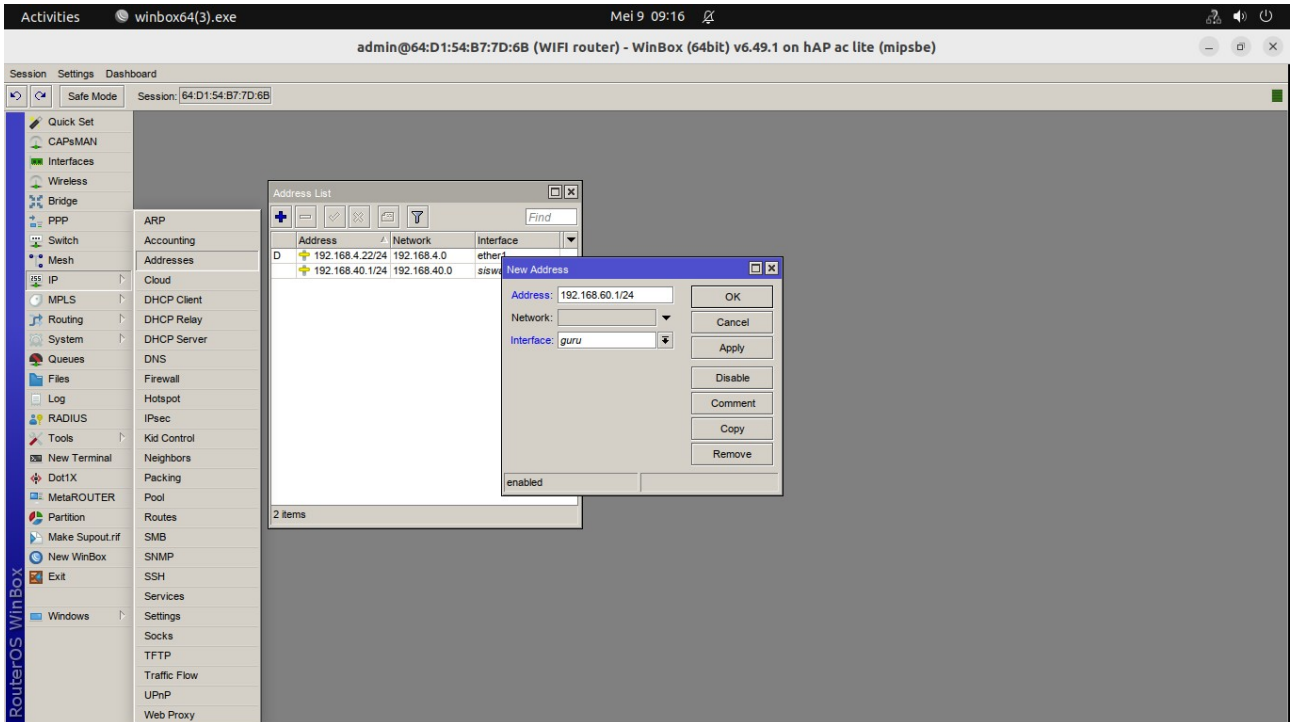
3.konfigurasi IP untuk VLAN1 DAN VLAN2 DAN WLANnya.

A.untuk siswa



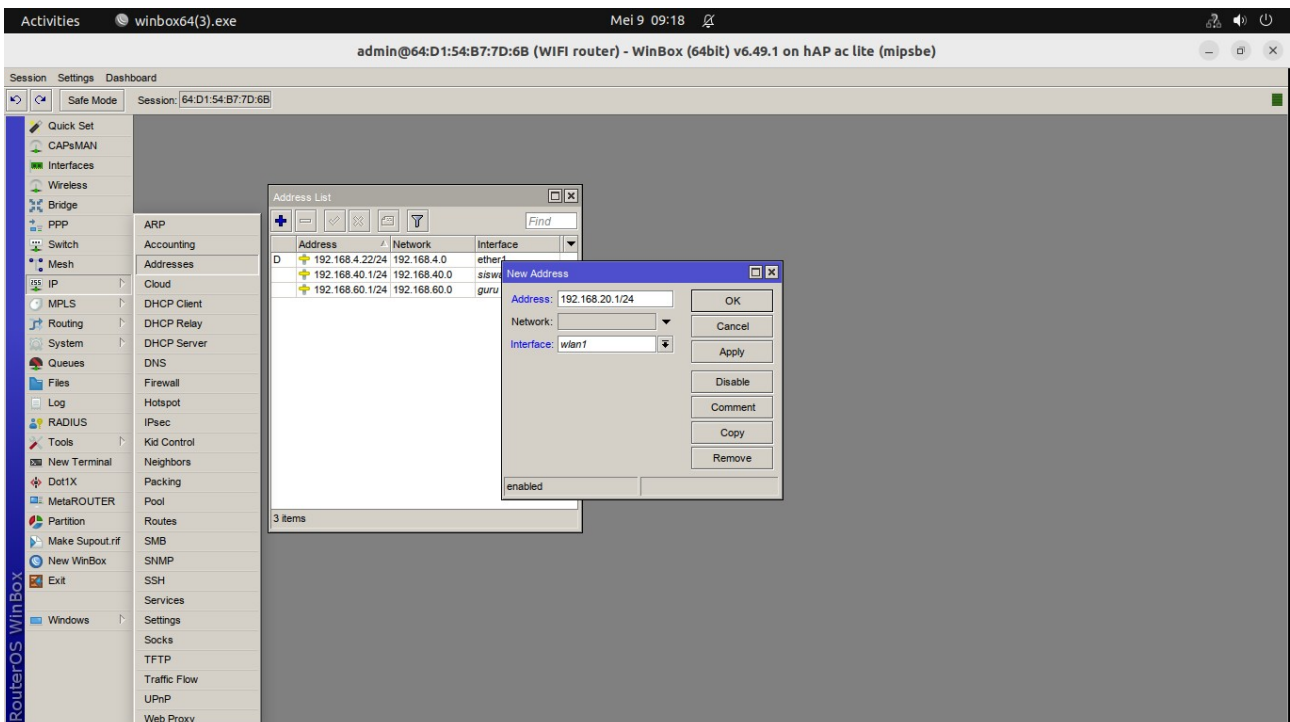
Klik IP → Addresses → + → tambahkan sesuai kebutuhan → apply → ok

B. untuk guru



Klik IP → Addressess → + → tambahkan sesuai kebutuhan → apply → ok

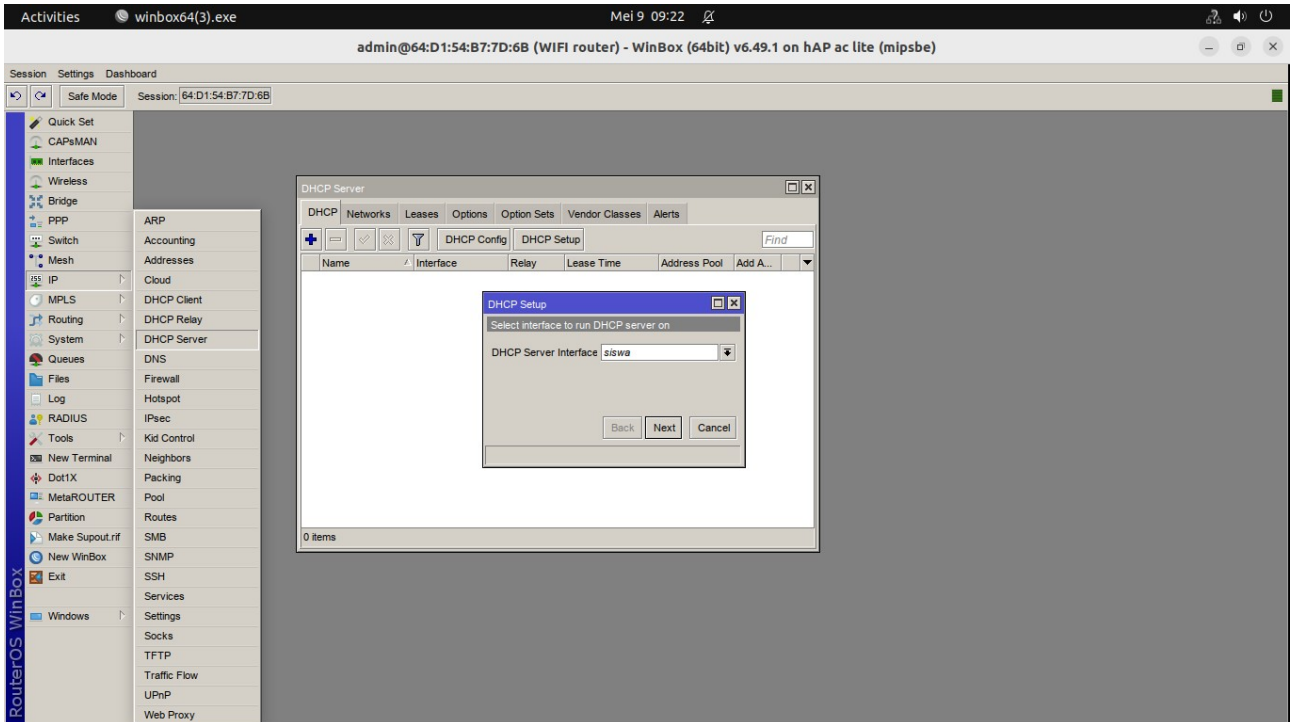
C. untuk WLAN



Klik IP → Addressess → + → tambahkan sesuai kebutuhan → apply → ok

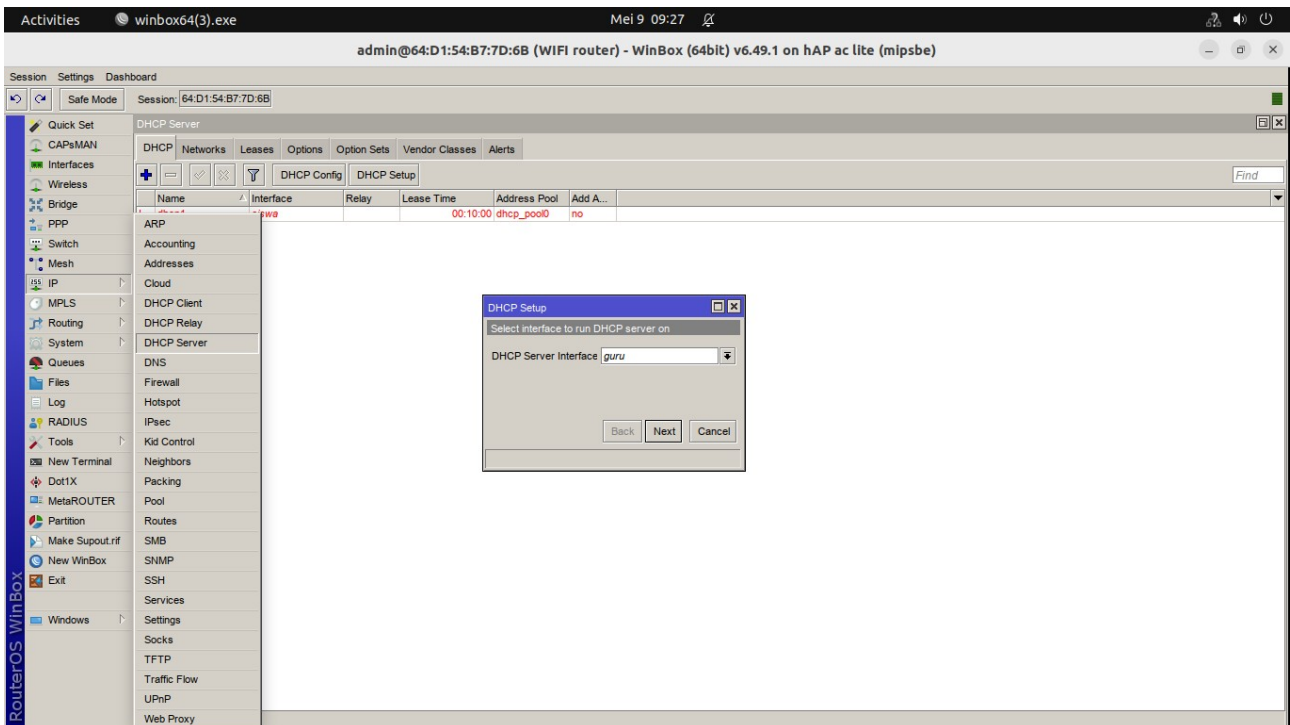
4. konfigurasi DHCP server untuk VLAN1, VLAN2 dan WLAN.

A. untuk VLAN1



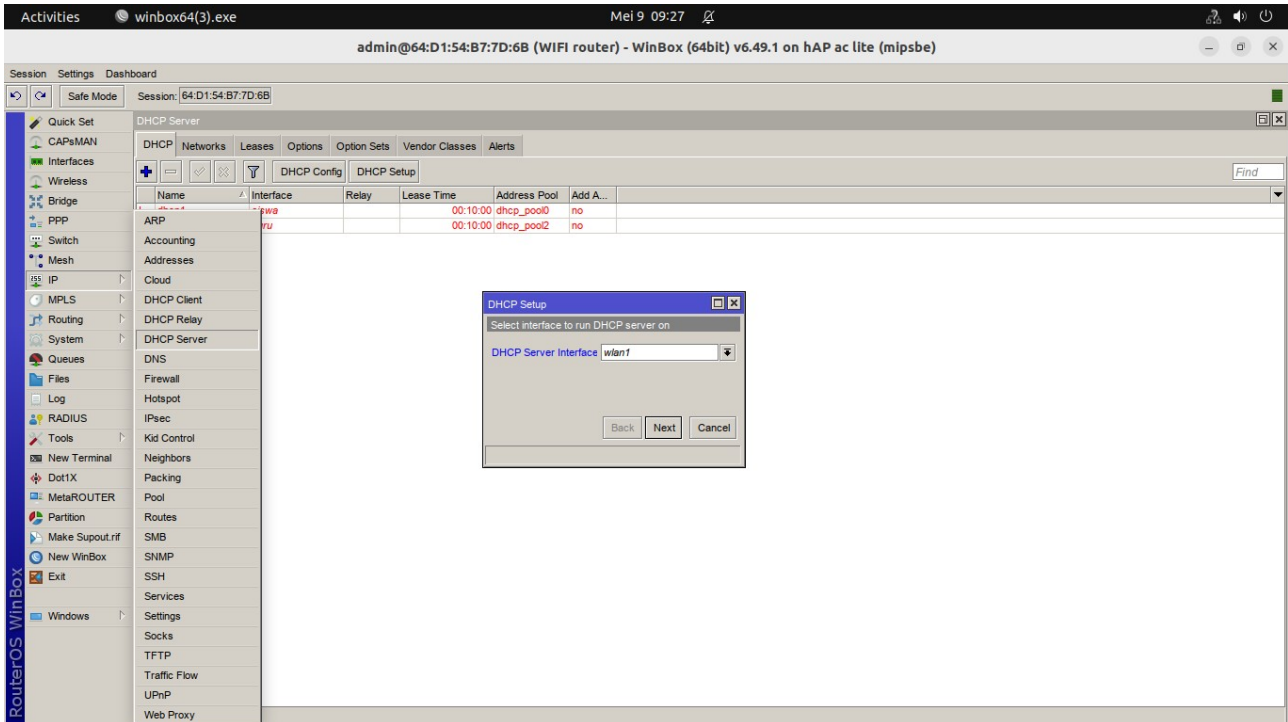
klik IP → DHCP server → DHCP setup → pilih yang mau di konfigurasikan → next dan pilih DHCP poll nya sampai berapa.

B. untuk VLAN2



klik IP → DHCP server → DHCP setup → pilih yang mau di konfigurasikan → next dan pilih DHCP poll nya sampai berapa.

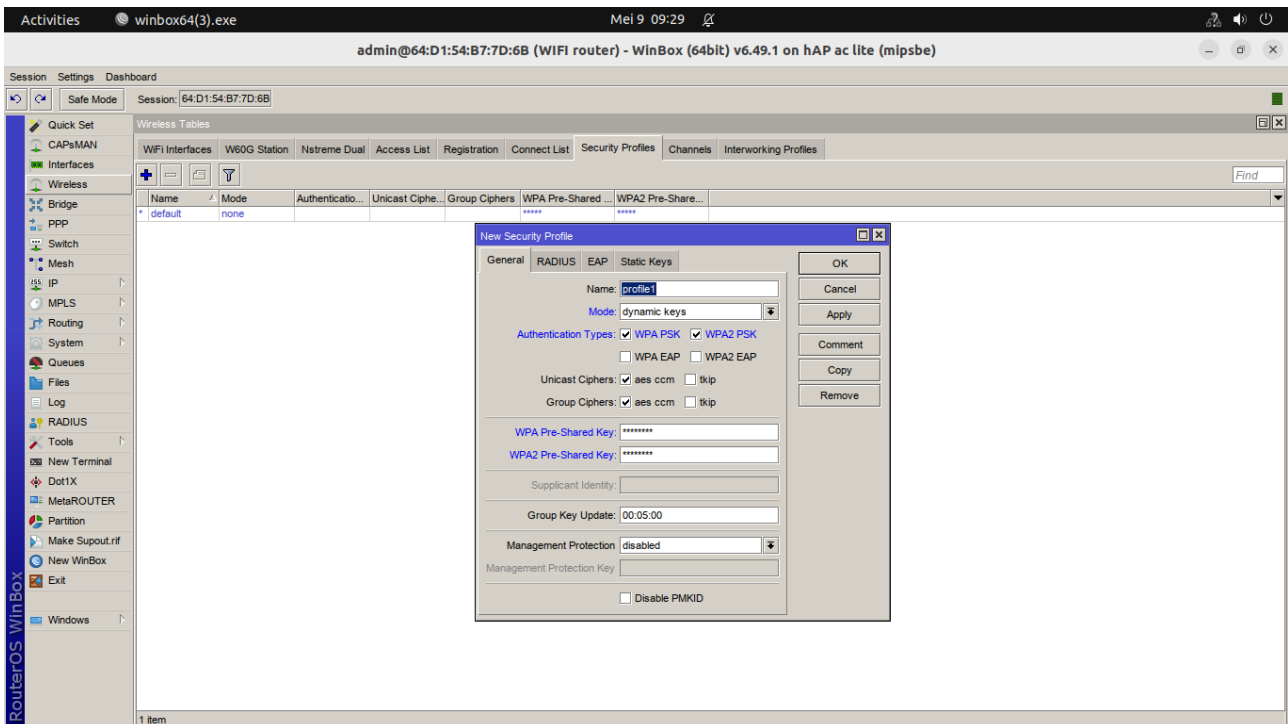
C. untuk WLAN



klik IP → DHCP server → DHCP setup → pilih yang mau di konfigurasikan → next dan pilih DHCP poll nya sampai berapa.

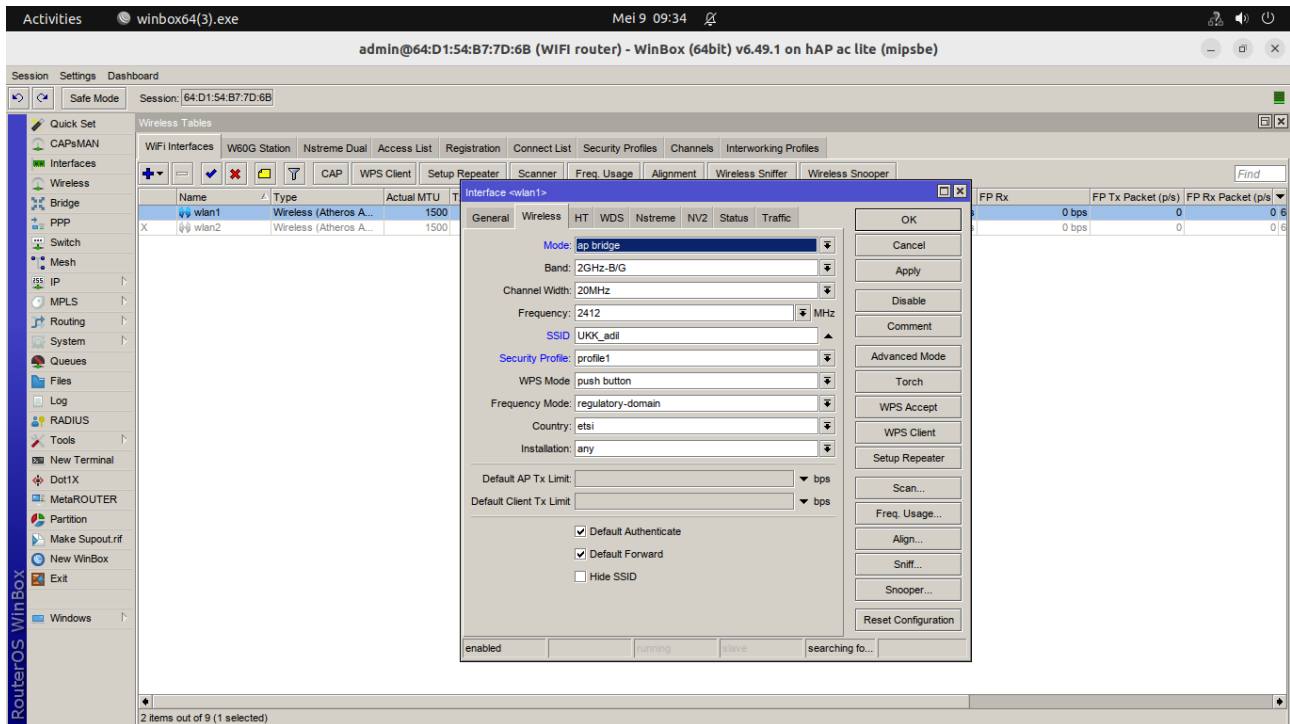
5. konfigurasi WLAN membuat wifi dan passwordnya.

A. membuat password untuk wifinya.



Klik wireless → security Profiles → + → nama nya → dan masukan password untuk si wifinya → apply → ok.

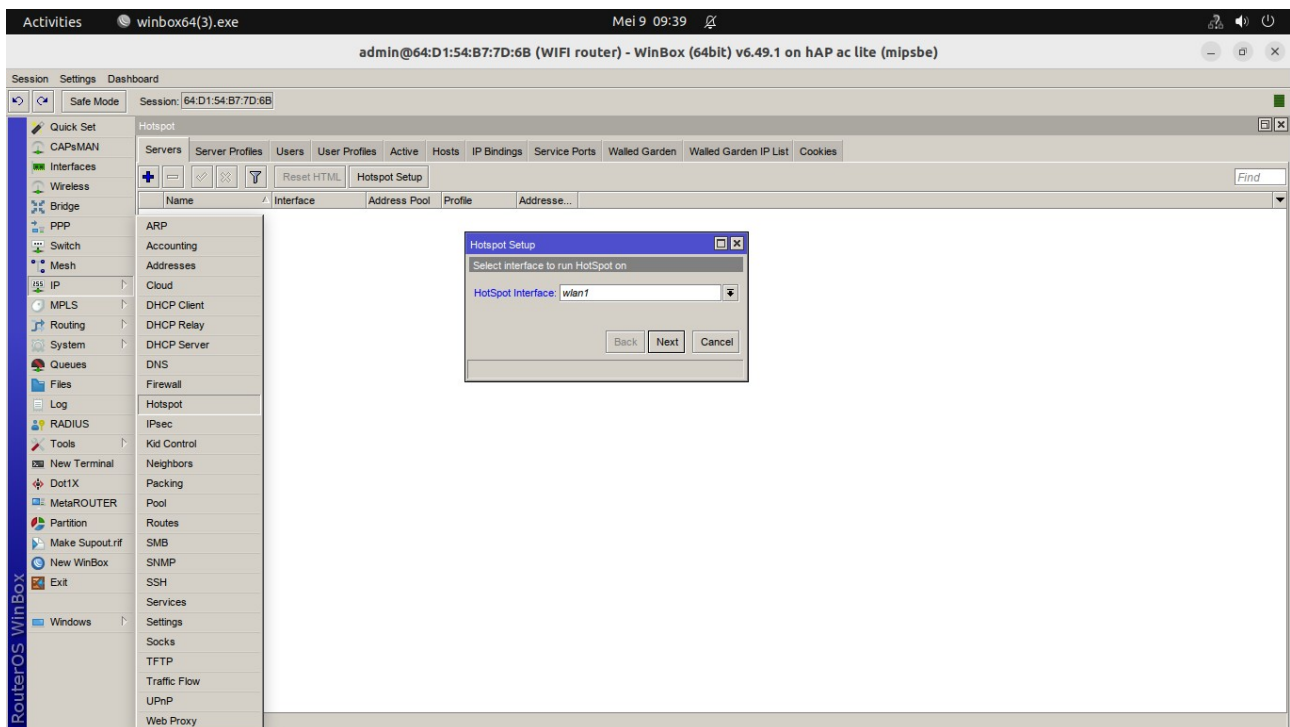
B.membuat wifinya.



Klik Wireless → WIFI interface → klik Wlan1 → modenya di ganti ke (ap bridge) → SSID nya (sesuai yang di dibutuhkan) → security Profilesnya (ganti yang di buat di security profiles) → apply → ok.

6.membuat hotspot untuk si wifinya.

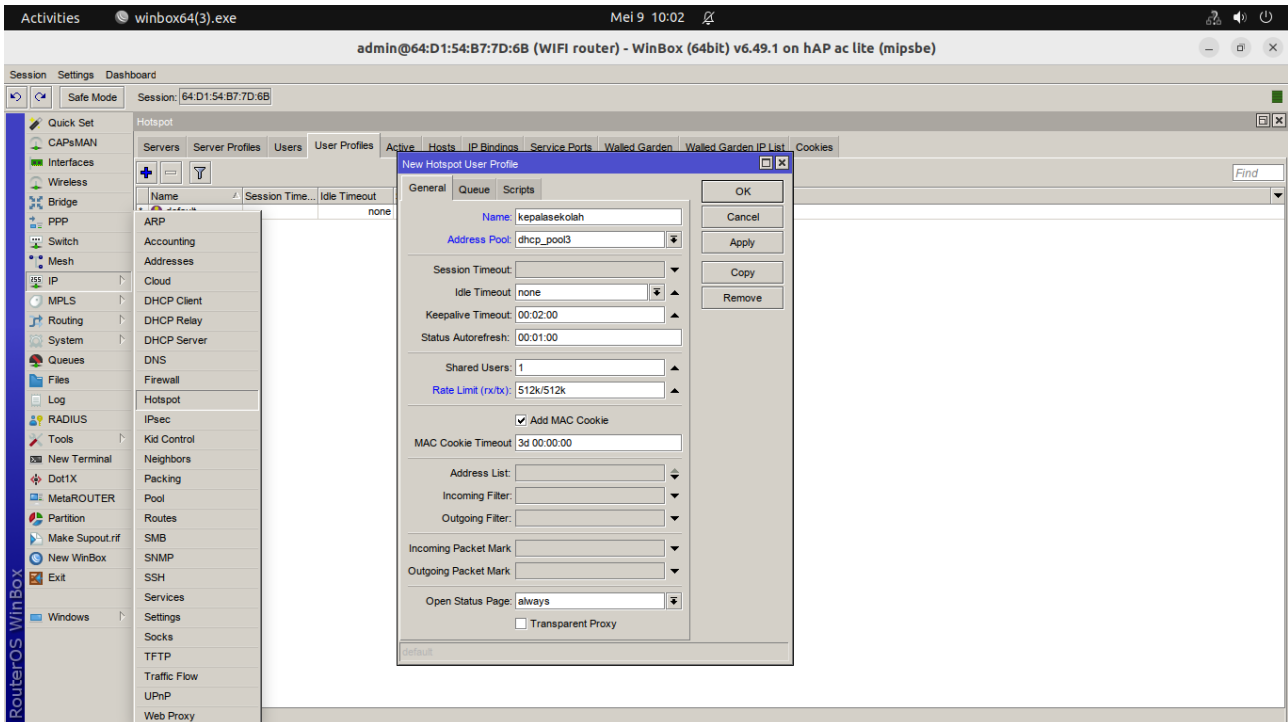
A.membuat hotspot untuk wifinya.



Klik IP → hotspot → servers → hotspot setup → pilih interfacenya → netx

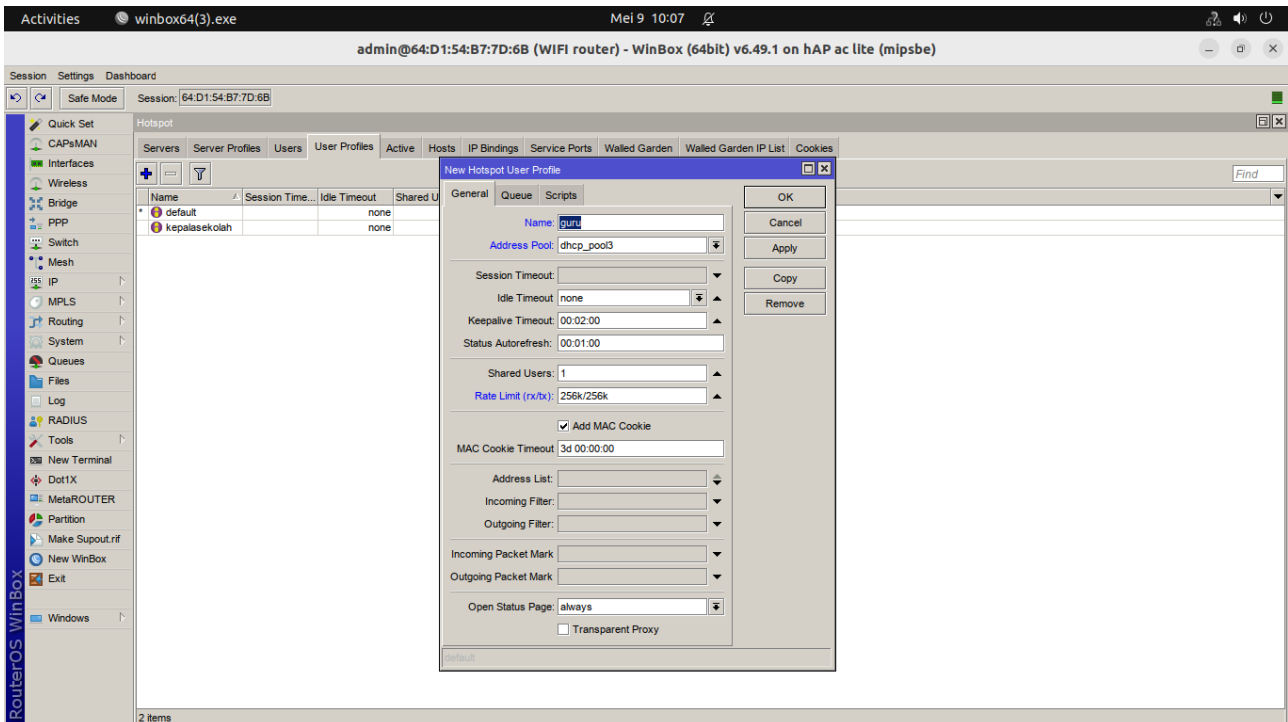
B.membuat USER dengan hotspot.

A.membuat user kepala sekolah



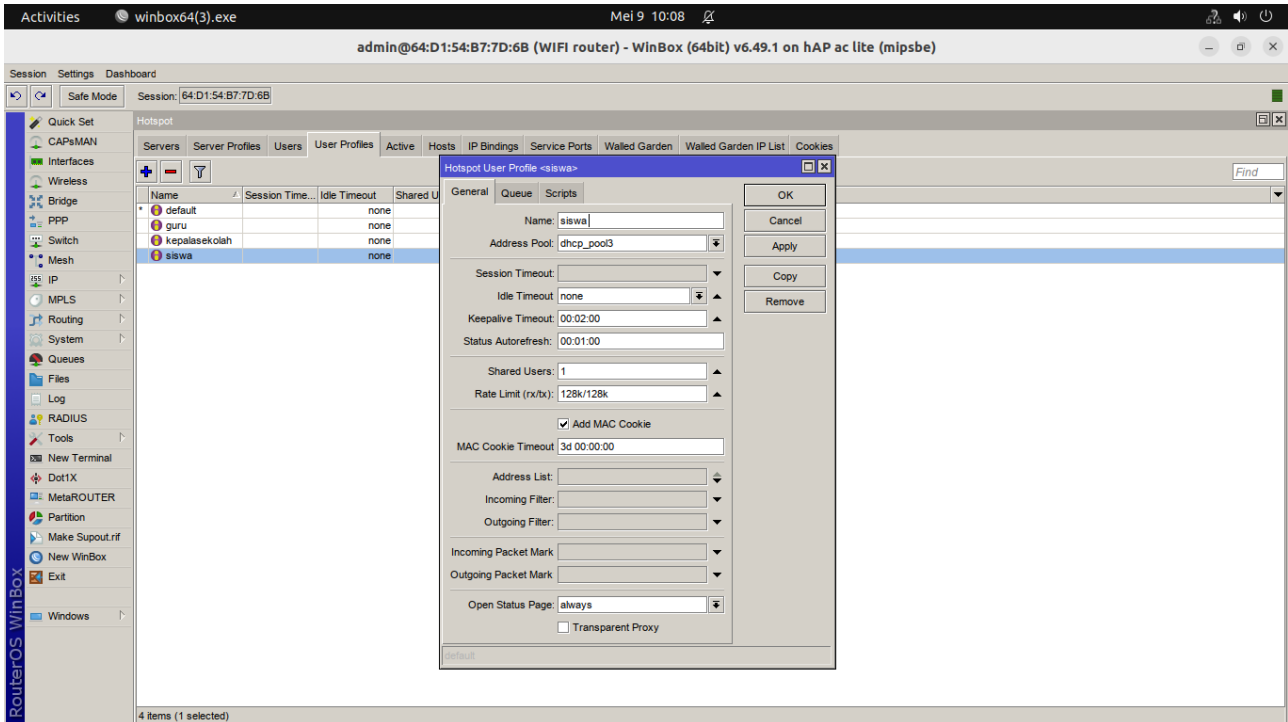
Klik ip → hotspot → user profiles → + → buat sesuai kebutuhan → apply → ok

B.membuat user guru



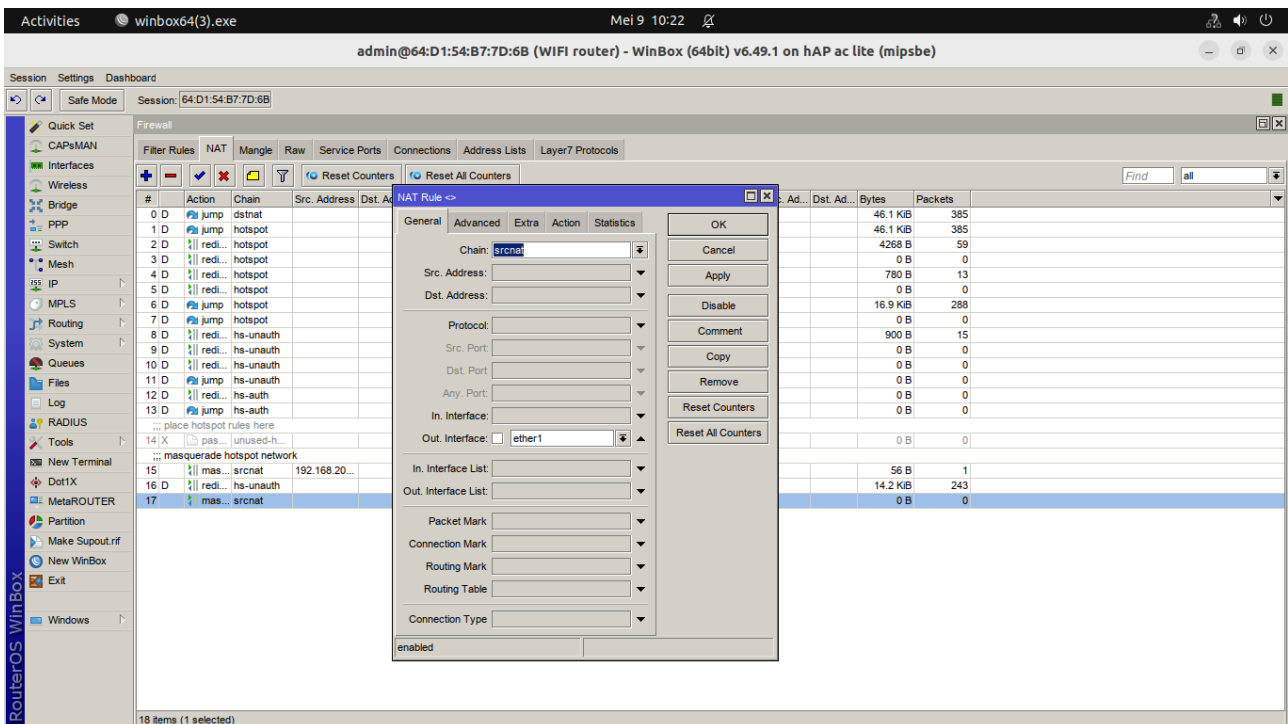
Klik ip → hotspot → user profiles → + → buat sesuai kebutuhan → apply → ok

C.membuat user siswa



Klik ip → hotspot → user profiles → + → buat sesuai kebutuhan → apply → ok

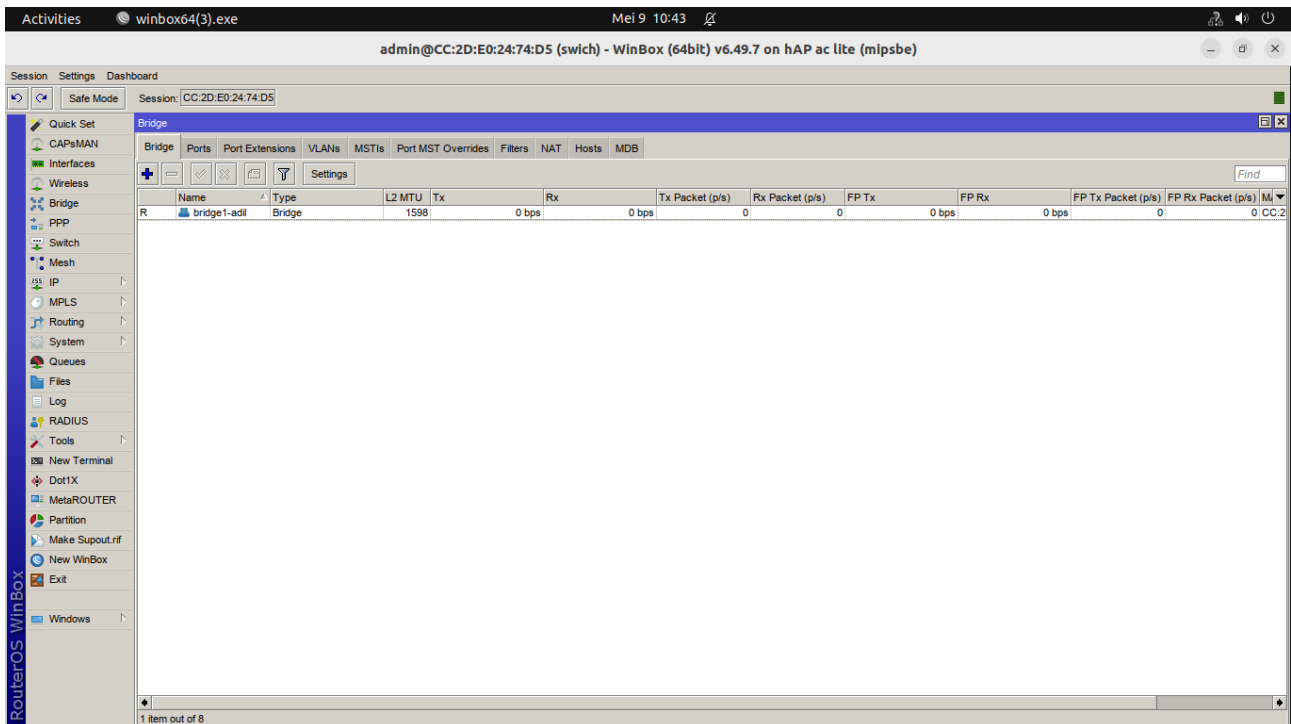
7.konfigurasi routing untuk menghubungkan jaringan kabel dengan wireless ke internet.



Klik IP → firewall → NAT → general → chainnya (srcnat) → out interface (ether 1) → action → masquerade → apply → ok.

8.konfigurasi VLAN pada routerboard.

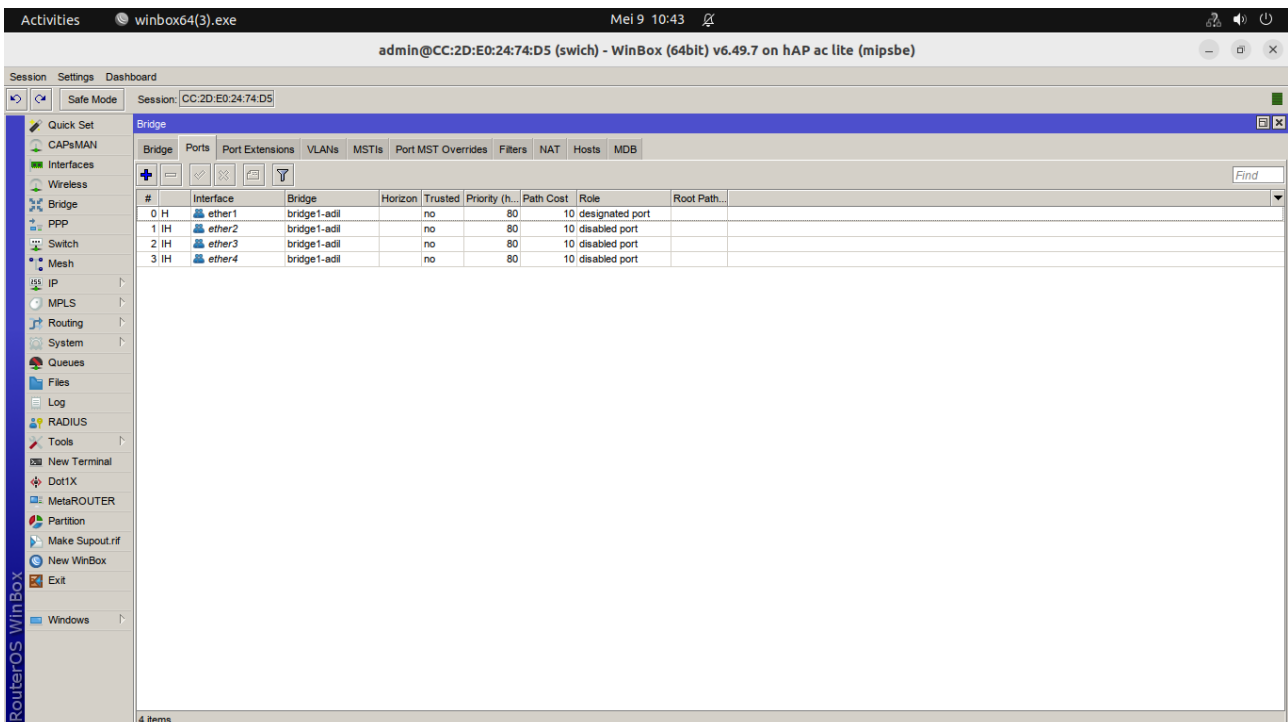
A.buat bridge



The screenshot shows the Mikrotik WinBox interface for configuring a bridge. The 'Bridge' tab is active, and a table lists the configured bridge:

Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)	M
bridge1-adil	Bridge	1598	0 bps	0 bps	0	0	0 bps	0 bps	0	0	CC:2

B.membuat port



The screenshot shows the Mikrotik WinBox interface for configuring bridge ports. The 'Bridge' tab is active, and a table lists the configured ports:

#	Interface	Bridge	Horizon	Trusted	Priority (h...)	Path Cost	Role	Root Path...
0	H ether1	bridge1-adil		no	80	10	designated port	
1	IH ether2	bridge1-adil		no	80	10	disabled port	
2	IH ether3	bridge1-adil		no	80	10	disabled port	
3	IH ether4	bridge1-adil		no	80	10	disabled port	

C.membuat VLAN di swith

The screenshot shows the Mikrotik WinBox interface for configuring a switch. The main window is titled "admin@CC:2D:E0:24:74:D5 (swich) - WinBox (64bit) v6.49.7 on hAP ac lite (mipsbe)". The left sidebar contains a navigation menu with categories like CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, Log, RADIUS, Tools, New Terminal, Dot1X, MetaROUTER, Partition, Make Supout.nrf, New WinBox, and Exit. The "Switch" configuration page is active, showing a table of switch configurations.

Switch	VLAN ID	Ports
switch1	10	ether1, ether2, ether3
switch1	200	ether1, ether4

At the bottom of the window, it indicates "2 items".