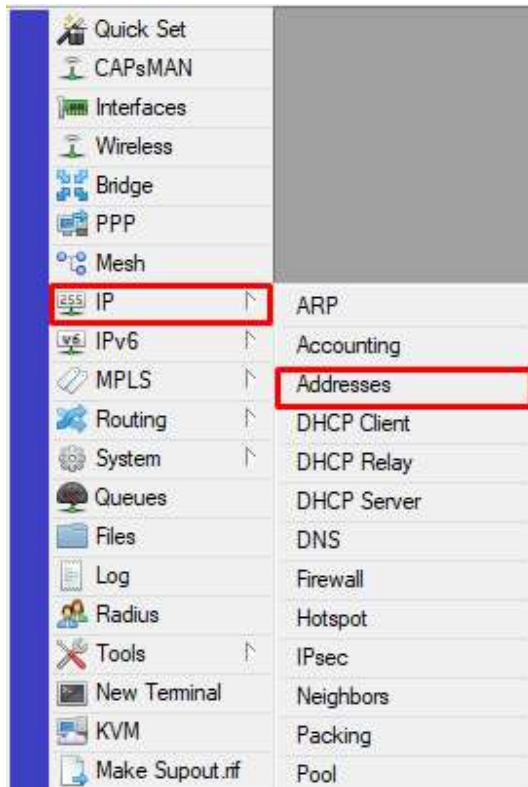
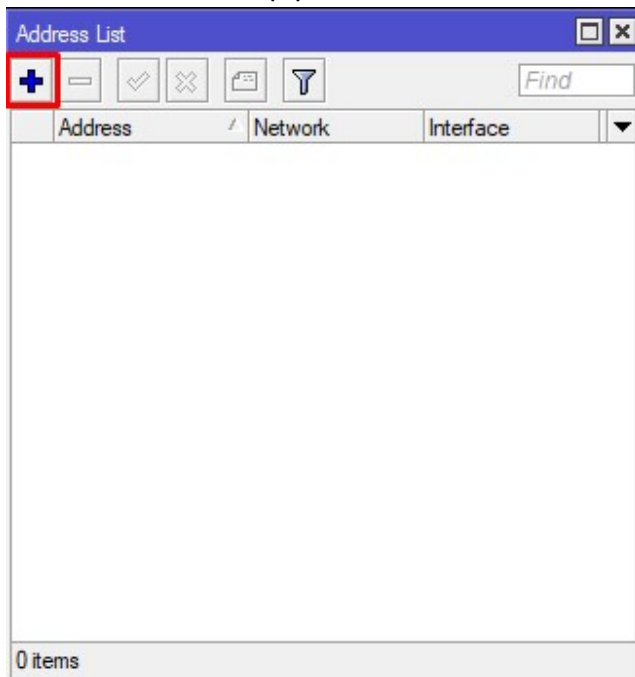


1. Setting IP Address

- Masuk ke IP -> Address



- Klik Icon Tambah (+)



- Setting IP address eth1 (Mikrotik)

IP : 192.168.1.2/24

Network : (akan terisi otomatis ketika tombol apply di klik)

interfaces : eth1

The screenshot shows the 'Address' configuration window in Mikrotik WinBox. The title bar reads 'Address <192.168.1.2/24>'. The 'Address' field is set to '192.168.1.2/24', the 'Network' field is '192.168.1.0', and the 'Interface' dropdown is set to 'ether1'. The 'enabled' checkbox is checked. On the right, there are buttons for 'OK', 'Cancel', 'Apply', 'Disable', 'Comment', 'Copy', and 'Remove'. The status bar at the bottom indicates 'enabled'.

- Setting IP address eth2 (Client)

IP : 192.168.100.1/25

Network : (akan terisi otomatis ketika tombol apply di klik)

Interfaces : eth2

The screenshot shows the 'Address' configuration window in Mikrotik WinBox. The title bar reads 'Address <192.168.100.1/25>'. The 'Address' field is set to '192.168.100.1/25', the 'Network' field is '192.168.100.0', and the 'Interface' dropdown is set to 'ether2'. The 'enabled' checkbox is checked. On the right, there are buttons for 'OK', 'Cancel', 'Apply', 'Disable', 'Comment', 'Copy', and 'Remove'. The status bar at the bottom indicates 'enabled'.

- Setting IP address eth3 (AP)

IP : 192.168.200.1/24

Network : (akan terisi otomatis ketika tombol apply di klik)

Interfaces : eth3

Address <192.168.200.1/24>

Address: 192.168.200.1/24

Network: 192.168.200.0

Interface: ether3

OK

Cancel

Apply

Disable

Comment

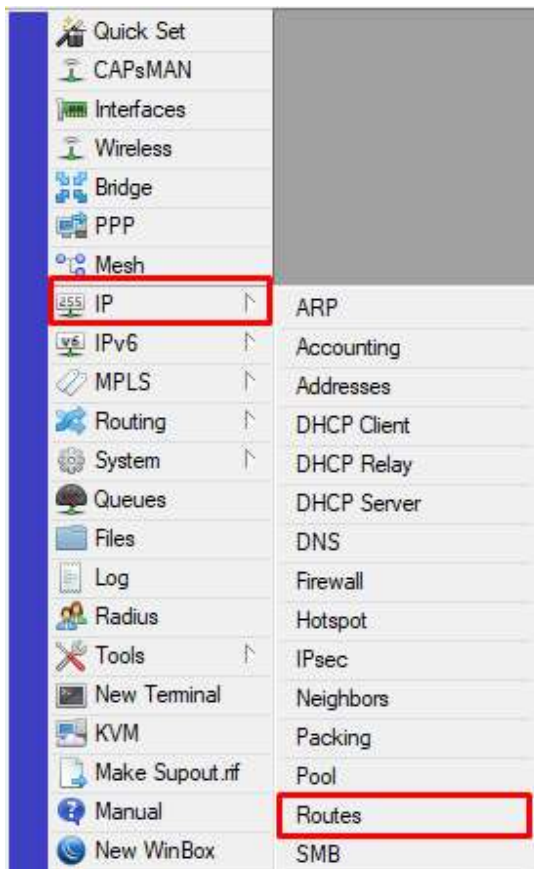
Copy

Remove

enabled

2. Setting gateway (routers)

- Masuk ke IP -> Router



- Klik Icon Tambah (+)



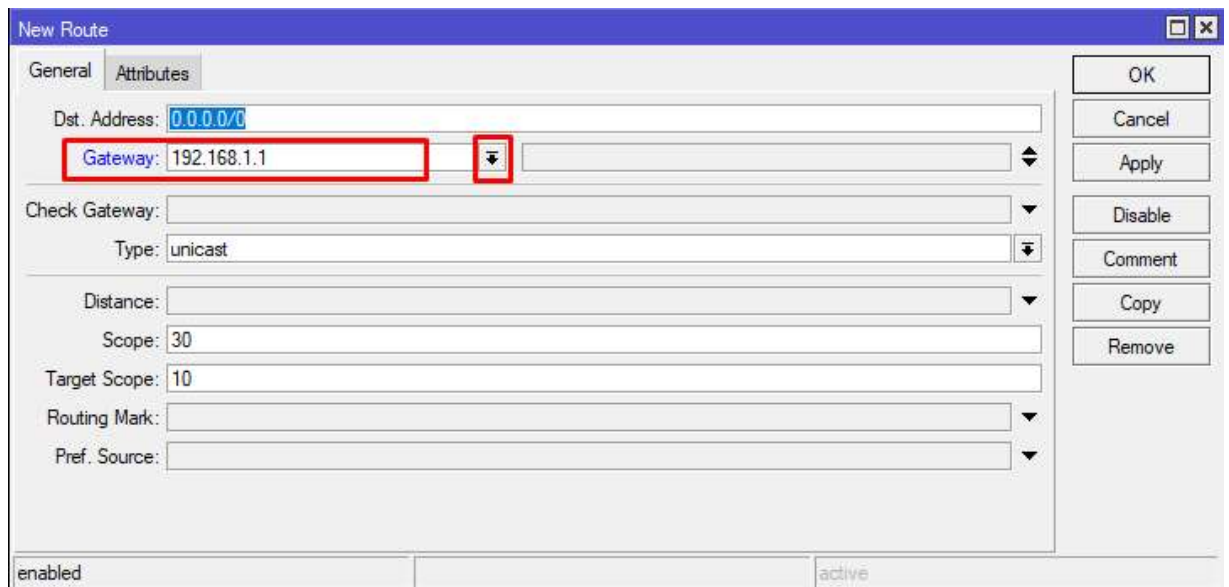
Route List

Routes Nexthops Rules VRF

Find all

	Dst. Address	Gateway	Distance	Routing Mark	Pref. Source
DAC	192.168.1.0/24	ether1 reachable	0		192.168.1.2
DAC	192.168.100.0...	ether2 reachable	0		192.168.100.1
DAC	192.168.200.0...	ether3 reachable	0		192.168.200.1

- Tambahkan gateway
IP gateway : 192.168.1.1



New Route

General Attributes

Dst. Address: 0.0.0.0/0

Gateway: 192.168.1.1

Check Gateway:

Type: unicast

Distance:

Scope: 30

Target Scope: 10

Routing Mark:

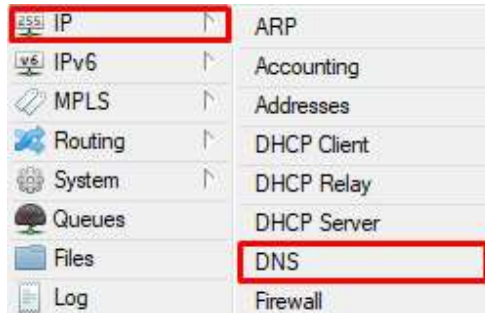
Pref. Source:

enabled active

OK Cancel Apply Disable Comment Copy Remove

3. Setting DNS Server

- Masuk ke IP -> DNS

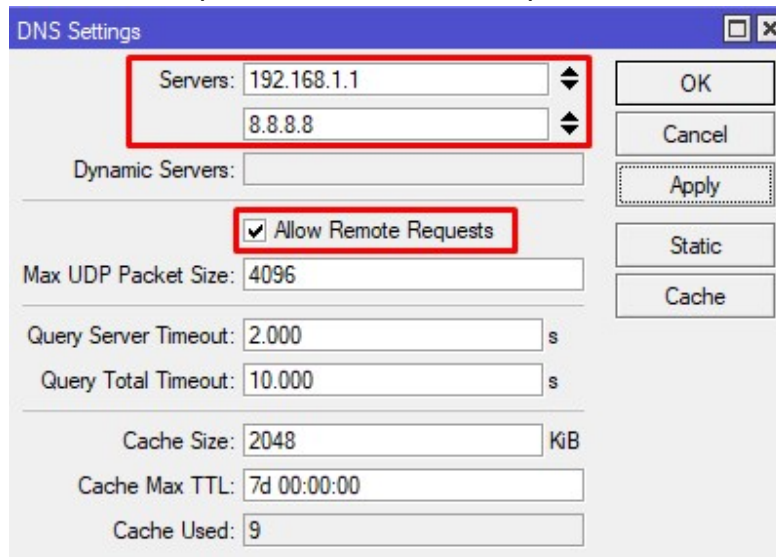


- Setting IP DNS

IP : 192.168.1.1

DNS google : 8.8.8.8

Checklist ☒ pada allow remote request

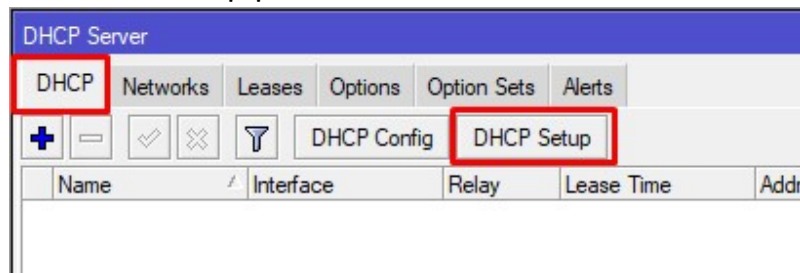


4. Setting IP DHCP Server

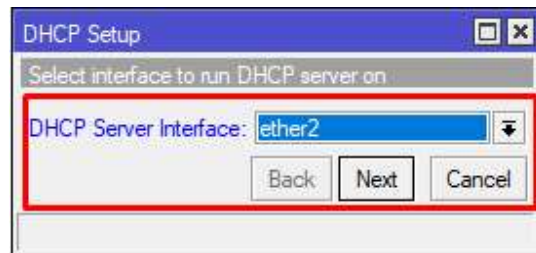
- Masuk ke IP -> DHCP server



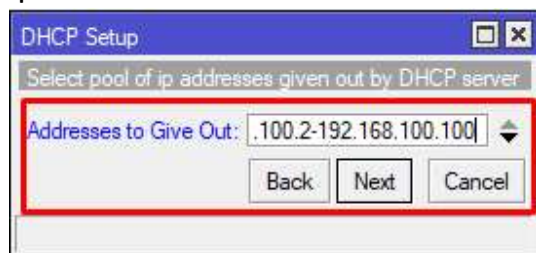
- Klik DHCP Setup pada Tab DHCP



- Setup DHCP server
DHCP interfaces : eth 2

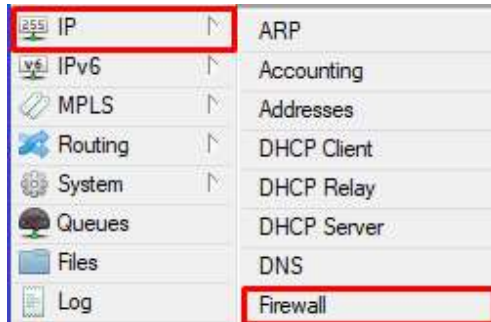


ip address : 192.168.100.1 – 192.168.100.100

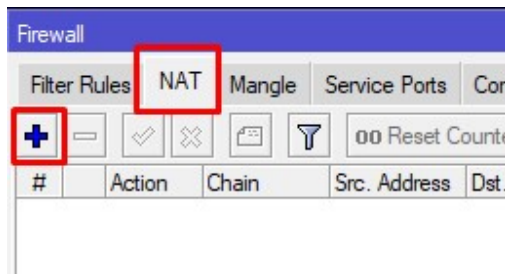


5. Setting Firewall NAT

- Masuk ke IP -> Firewall



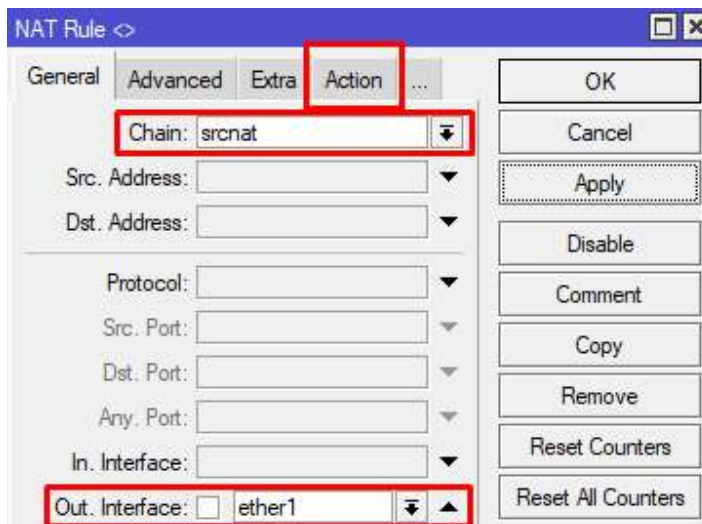
- Masuk ke Tab NAT Lalu klik icon tambah (+)



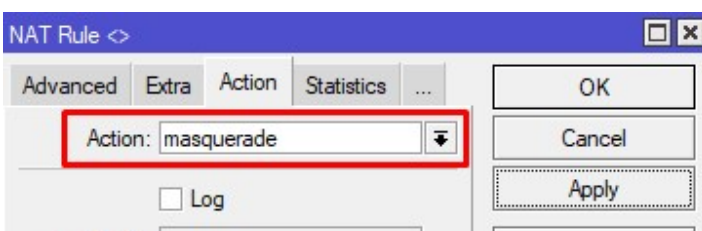
Chain : srcnat

Out Interface : eth1

Pindah ke tab Action



Action : masquerade



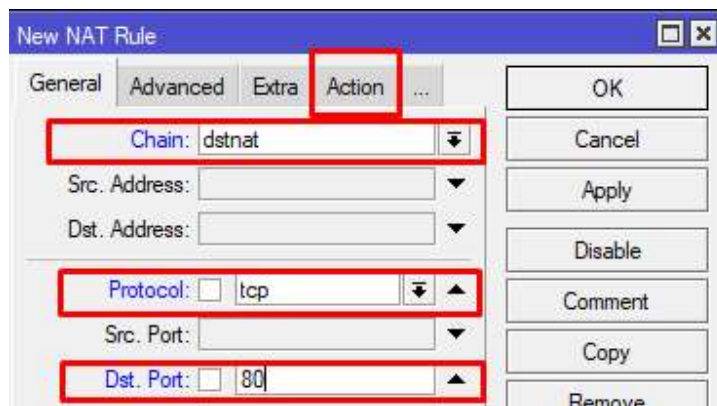
- Tambahkan lagi firewall untuk Google

chain : dstnat

protocol : tcp

dst port : 80

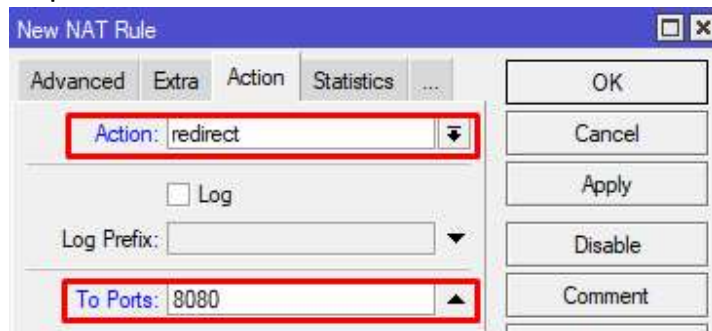
Pindah Tab Action



The screenshot shows the 'New NAT Rule' dialog box with the 'Action' tab selected. The 'Chain' dropdown is set to 'dstnat'. The 'Protocol' dropdown is set to 'tcp'. The 'Dst. Port' field is set to '80'. The 'Action' dropdown is set to 'redirect'. The 'Log' checkbox is unchecked. The 'Log Prefix' field is empty. The 'To Ports' field is set to '8080'. The 'OK', 'Cancel', 'Apply', 'Disable', 'Comment', 'Copy', and 'Remove' buttons are visible on the right.

Action : redirect

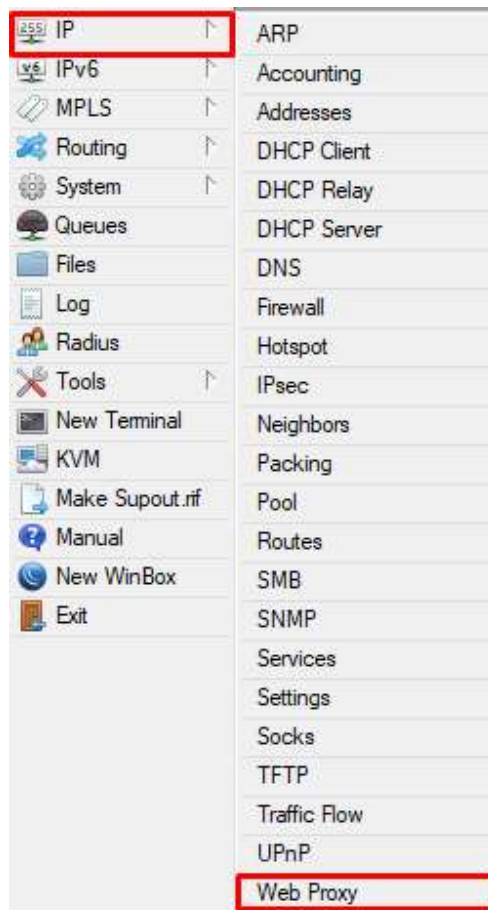
to port : 8080



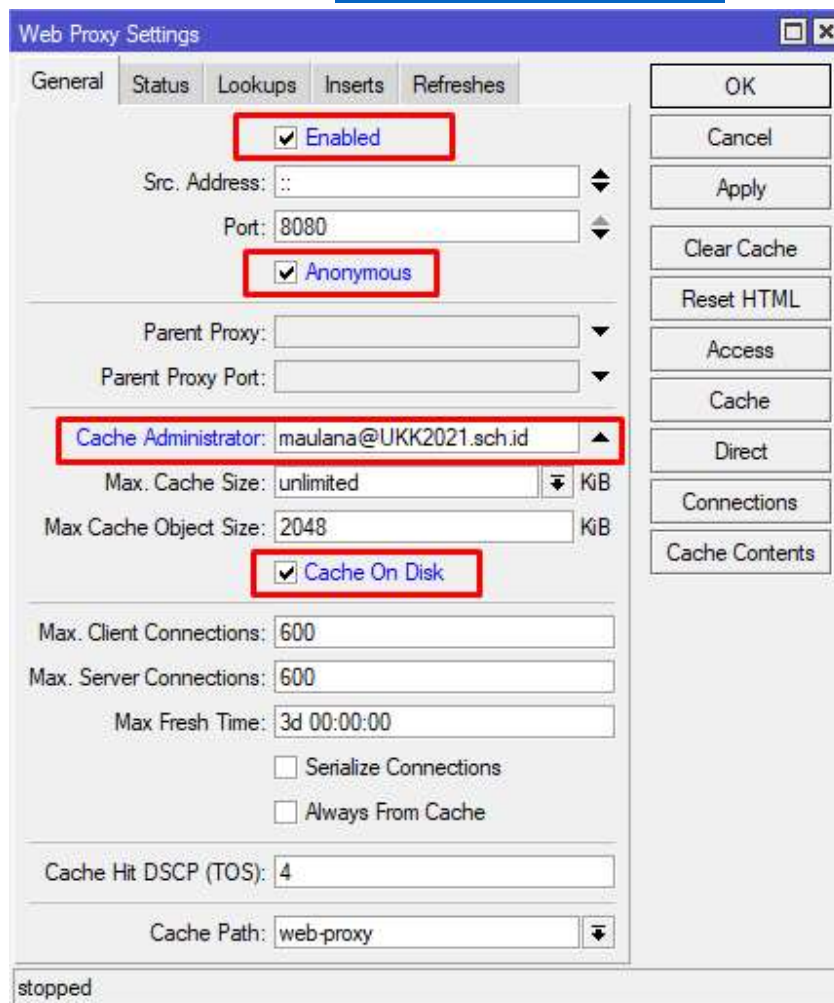
The screenshot shows the 'New NAT Rule' dialog box with the 'Action' tab selected. The 'Action' dropdown is set to 'redirect'. The 'Log' checkbox is unchecked. The 'Log Prefix' field is empty. The 'To Ports' field is set to '8080'. The 'OK', 'Cancel', 'Apply', 'Disable', 'Comment', 'Copy', and 'Remove' buttons are visible on the right.

6. Setting Web Proxy

- Masuk ke IP -> Web Proxy



- Checklist ☒ Enabled, Anonymous, Cache On Disk
- Cache administrator : maulana@UKK2021.sch.id

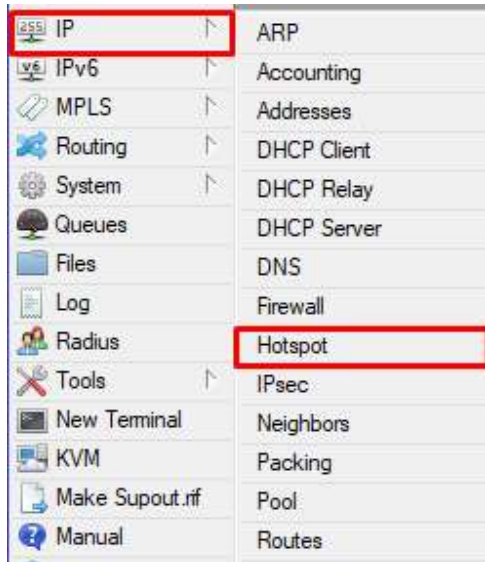


7. Setting SNTP Client

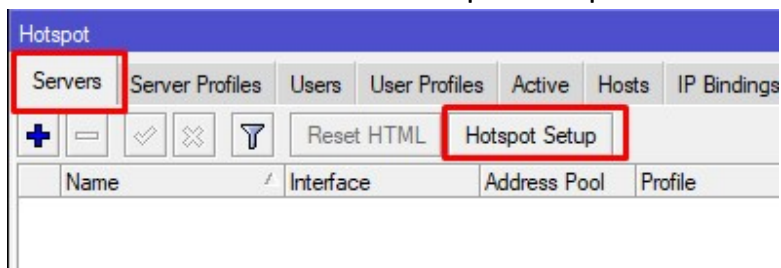
- Masuk System -> SNTP Client (No Screenshot karena ga ada SNTP client nya di Laptop my *hiks)
Checklist enabled
Mode : broadcast
Primary NTP server : id.pool.ntp.org (Trouble, cari tau sendiri ya bingung jelasin nya ^_^)

8. Setting Hostpot (AP)

- Masuk ke IP -> Hostpot



- Masuk ke **TAB** servers klik Hotspot setup



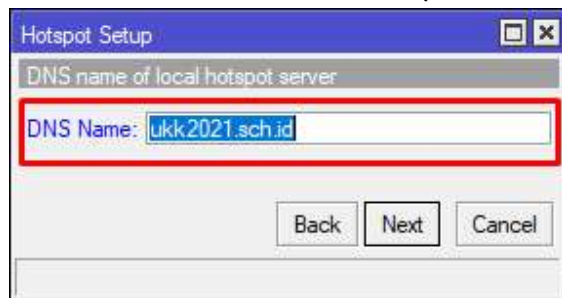
- Setting Setup
Interfaces : eth 3



Address : 192.168.200.1 – 192.168.200.100



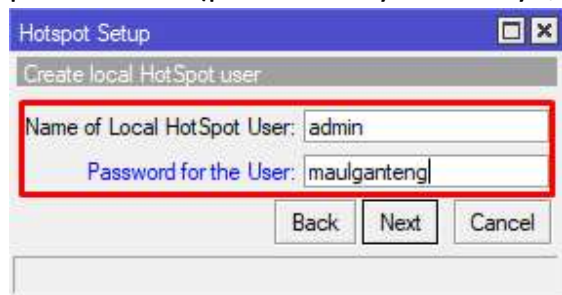
DNS name : ukk2021.sch.id (DNS name bebas)



The image shows a 'Hotspot Setup' dialog box with the title bar 'Hotspot Setup'. Inside, there is a section titled 'DNS name of local hotspot server'. Below this, the 'DNS Name:' field is filled with 'ukk2021.sch.id'. At the bottom, there are three buttons: 'Back', 'Next', and 'Cancel'.

user : admin

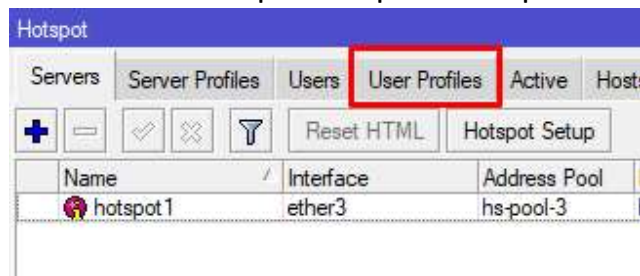
pass : bebas (password nya bebas ya, bukan bebas :v)



The image shows a 'Hotspot Setup' dialog box with the title bar 'Hotspot Setup'. Inside, there is a section titled 'Create local HotSpot user'. Below this, there are two fields: 'Name of Local HotSpot User:' filled with 'admin' and 'Password for the User:' filled with 'maulganteng'. At the bottom, there are three buttons: 'Back', 'Next', and 'Cancel'.

9. Setting user hotspot

- Masuk **TAB** user profiles pada hotspot lalu klik icon tambah (+)



The image shows the 'Hotspot' application window with the 'User Profiles' tab selected. The tab is highlighted with a red box. Below the tab, there is a table with the following columns: Name, Interface, and Address Pool. The table contains one entry: 'hotspot1', 'ether3', and 'hs-pool-3'.

Name	Interface	Address Pool
hotspot1	ether3	hs-pool-3

- Setting 3 user profile
 1. Name : admin
rate limit : (ga usah di isi biarin)

2. Name : guru
rate limit : 1M/1M

New Hotspot User Profile

General Queue Advertise Scripts

Name: guru

Address Pool: none

Session Timeout:

Idle Timeout: none

Keepalive Timeout: 00:02:00

Status Autorefresh: 00:01:00

Shared Users: 1

Rate Limit (rx/tx): 1M/1M

OK Cancel Apply Copy Remove

3. Name : siswa
rate limit : 512K/512K

New Hotspot User Profile

General Queue Advertise Scripts

Name: siswa

Address Pool: none

Session Timeout:

Idle Timeout: none

Keepalive Timeout: 00:02:00

Status Autorefresh: 00:01:00

Shared Users: 1

Rate Limit (rx/tx): 512k/512k

OK Cancel Apply Copy Remove

- Klik **TAB** users lalu klik icon tambah (+)

Hotspot

Servers Server Profiles Users User Profiles Active Hosts

+ - ✓ ✗ 🔍 Reset HTML Hotspot Setup

- Admin

Name : admin
password : 123
profile : admin

Hotspot User <admin>

General Limits Statistics

Server: all

Name: admin

Password: ***

Address:

MAC Address:

Profile: admin

Routes:

Email:

OK

Cancel

Apply

Disable

Comment

Copy

Remove

Reset Counters

Reset All Counters

- Guru

Name : guru
Password : 123
Profile : guru

New Hotspot User

General Limits Statistics

Server: all

Name: guru

Password: ***

Address:

MAC Address:

Profile: guru

Routes:

OK

Cancel

Apply

Disable

Comment

Copy

Remove

- Siswa

Name : siswa

Password : 123

profile : siswa

10. Setting Bandwith

- Masuk Queues



- Klik icon tambah (+)

1. Admin

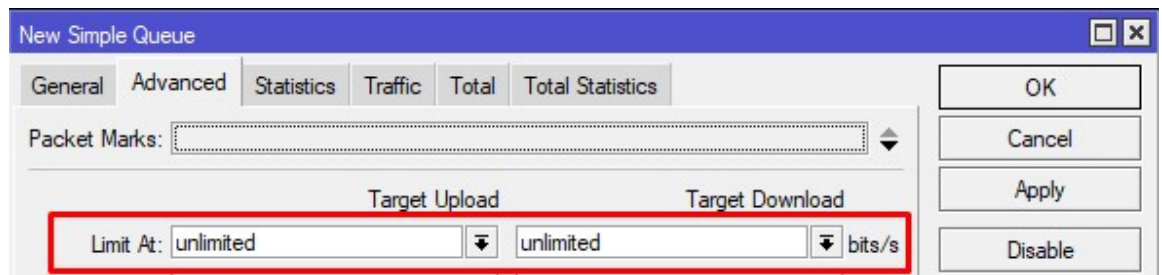
name : admin

target : eth3

max limit : unlimited

Masuk **TAB** advanced

Limit : Unlimited



New Simple Queue

General Advanced Statistics Traffic Total Total Statistics

Packet Marks: []

Target Upload Target Download

Limit At: unlimited [] unlimited [] bits/s

OK Cancel Apply Disable

2. Guru

name : guru

target : eth 3

max limit : 1M/1M

Masuk **TAB** advanced

Limit : 1M/1M

3. Siswa

name : siswa

target : eth 3

max limit : 512K/512K

Masuk **TAB** advanced

Limit : 512k/512k

TROUBLE DI TANGGUNG SENDIRI :)