LATIHAN UJIKOM DENGAN MENGGUNAKAN MIKROTIK

SETTING INTERFACE ETHER-1

- 6. IP Ether1
- 7. Gateway
- = Sesuai dengan Network yang diberikan ISP= Sesuai dengan IP yang diberikan oleh ISP

[hilmi@MikroTik] > ip address add address=192.168.11.50/24 interface=ether1 [hilmi@MikroTik] > ip route add gateway=192.168.11.1 [hilmi@MikroTik] > ip dns set servers=8.8.8.8.8.4.4 allow-remote-requests=yes

Setting NAT pada Firewall

[hilmi@MikroTik] > ip firewall nat add chain=srcnat out-interface=ether1 action=masquerade

Setting SNTP Pada Mikrotik

[hilmi@MikroTik] > system ntp client set enabled=yes primary-ntp=103.28.56.14 secondary-ntp=114.141.48.158

Keterangan :

- primary-ntp = 0.id.pool.ntp.org / 103.28.56.14 - secondary-ntp = 1.id.pool.ntp.org / 114.141.48.158

9. IP Ether2 = 192.168.100.1/24

[hilmi@MikroTik] > ip address add address=192.168.100.1/24 interface=ether2

10. DHCP Pool = 192.168.100.2-192.168.100.100

[hilmi@MikroTik] > ip dhcp-server setup Select interface to run DHCP server on

dhcp server interface: ether2 Select network for DHCP addresses

dhcp address space: **192.168.100.0/24** *Select gateway for given network*

gateway for dhcp network: **192.168.100.1** Select pool of ip addresses given out by DHCP server

addresses to give out: **192.168.100.2-192.168.100.100** Select DNS servers

dns servers: 8.8.8.8,8.8.4.4 Select lease time

lease time: 10m

11. STATIC DNS= ketika akses ke http://www.mikrotik.com dialihkan ke website
http://bnsp-indonesia.org / smkn4 tasik

[hilmi@MikroTik] > ip dns static add name=mikrotik.com address=202.52.14.179 [hilmi@MikroTik] > ip dns static add name=www.mikrotik.com address=202.52.14.179 [hilmi@MikroTik] > ip firewall nat add chain=dstnat protocol=tcp dst-port=80 action=redirect to-ports=8080 [hilmi@MikroTik] > ip proxy set enabled=yes port=8080 cache-administrator=siswa@smkn4-tsm.sch.id [hilmi@MikroTik] > ip firewall filter add chain=input src-address=192.168.100.2-192.168.100.50 protocol=icmp action=drop

13. rule agar setiap akses ke router tercatat di logging

[hilmi@MikroTik] > ip firewall filter add chain=input src-address=192.168.100.0/24 action=log log=yes log-prefix=Akses Remote

14. rule filter yang mengijinkan permintaan HTTP dan HTTPS dari CLIENT network ke Internet

[hilmi@MikroTik] > ip firewall filter add chain=forward src-address=192.168.100.0/24 protocol=tcp dst-port=80,443 action=accept

SETTING INTERFACE WLAN-1

13. IP WLAN 1 = 192.168.200.1/24

[hilmi@MikroTik] > ip address add address=192.168.200.1/24 interface=wlan1

14.	SSID	= nama_peserta@Proxy			

[hilmi@MikroTik] > interface enable numbers=wlan1 [hilmi@MikroTik] > interface wireless set wlan1 mode=ap-bridge ssid=siswa@proxy

15. DHCP Pool = 192.168.200.2-192.168.200.100

[hilmi@MikroTik] > ip dhcp-server setup Select interface to run DHCP server on

dhcp server interface: wlan1 Select network for DHCP addresses

dhcp address space: **192.168.200.0/24** Select gateway for given network

gateway for dhcp network: **192.168.200.1** Select pool of ip addresses given out by DHCP server

addresses to give out: **192.168.200.2-192.168.200.100** Select DNS servers

dns servers: 8.8.8.8,8.8.4.4 Select lease time

lease time: 10m

[hilmi@MikroTik] > ip proxy access add src-address=192.168.200.0/24 dst-host=www.linux.or.id action=deny

17.	Blocking File	= .mp3, .mkv				

[hilmi@MikroTik] > ip proxy access add src-address=192.168.200.0/24 path=*.mp3 action=deny [hilmi@MikroTik] > ip proxy access add src-address=192.168.200.0/24 path=*.mkv action=deny

18.	Blocking Content	= Block setiap konten yg mengandung kata "mikrotik"

[hilmi@MikroTik] > ip proxy access add src-address=192.168.200.0/24 dst-host=*mikrotik* action=deny

19. Buat firewall yang memblokir akses internet melalui jalur wireless mulai pukul 19:00 (malam)– 07:00 (pagi).

[hilmi@MikroTik] > ip firewall filter add chain=forward src-address=192.168.200.0/24 out-interface=ether1 time=19:00:00-07:00:00,sat,fri,thu,wed,tue,mon,sun action=drop

Keterangan : Untuk melakukan pengujian blocking akses file yang sudah ditentukan bisa membuka alamat dibawah ini, sudah di sediakan beberapa file.
Alamat : <u>http://202.52.14.178/media</u>

SELESAI
