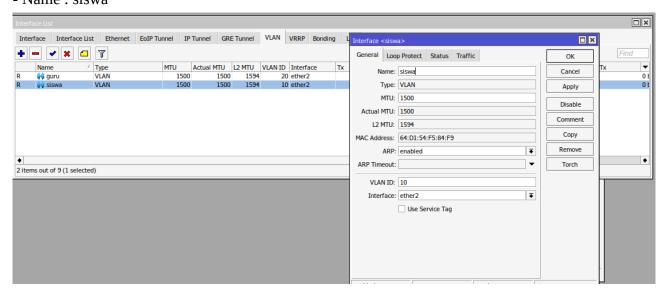
Konfigurasi VLAN pada Ether2

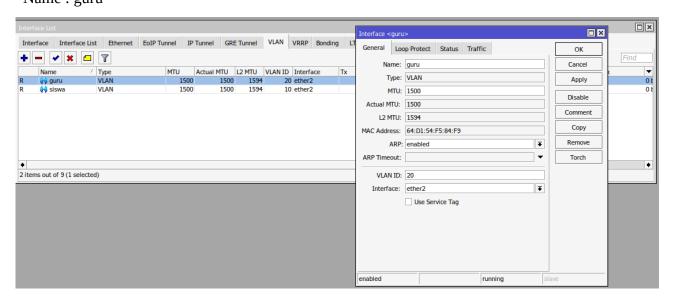
1) VLAN 1

- VLAN ID: 10 - Name: siswa



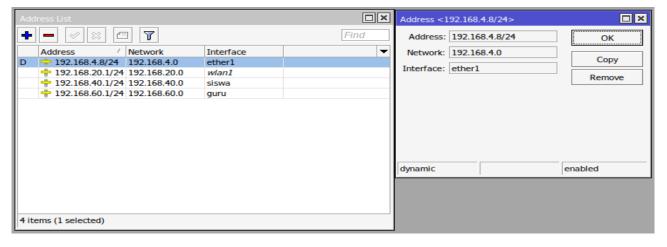
2) VLAN 2

- VLAN ID : 20 - Name : guru



Ether 1:

- IP Ether1: Sesuai dengan Network yang diberikan ISP



Konfigurasi Ether 2 digunakan untuk jaringan LAN

a) VLAN 1

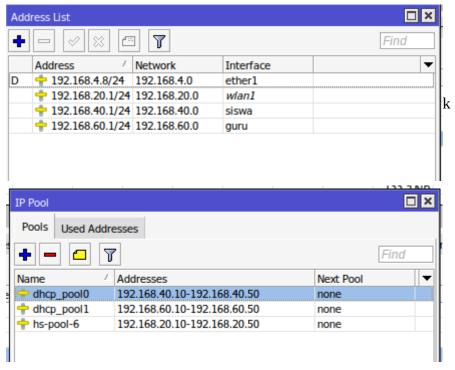
- IP VLAN 1: 192.168.40.1/24

- DHCP Pool: 192.168.40.10 - 192.168.40.50

b) VLAN 2

- IP VLAN 2: 192.168.60.1/24

- DHCP Pool: 192.168.60.10 - 192.168.60.50

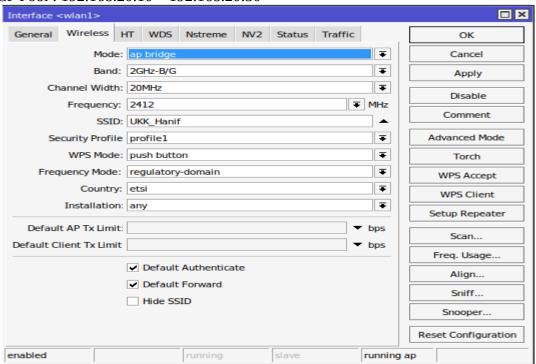


WLAN

- IP WLAN: 192.168.20.1/24

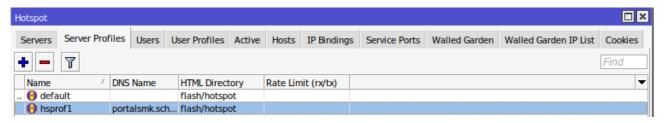
- SSID : UKK_Hanif - Password : 12345678

- DHCP Pool: 192.168.20.10 - 192.168.20.50



Hotspot

alamat login hotspot = portalsmk.sch.id



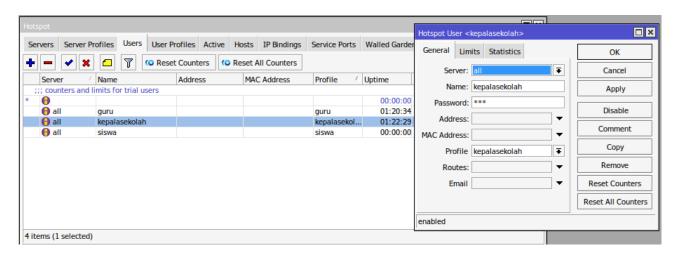
Mengubah tampilan halaman login hotspot sehingga minimal terdapat tampilan tulisan

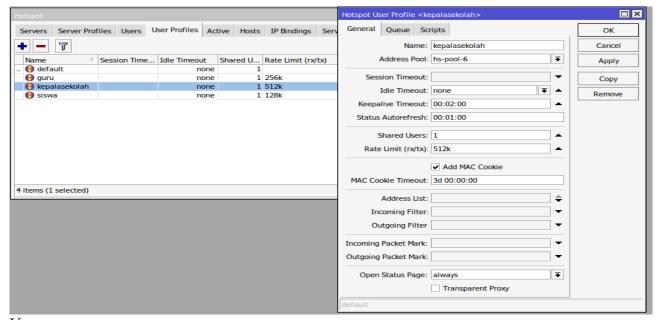


Membuat 3 user dengan ketentuan seperti berikut

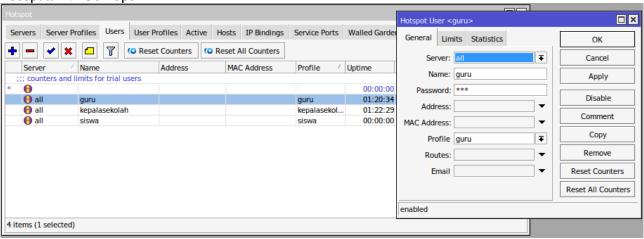
Username: kepalasekolah

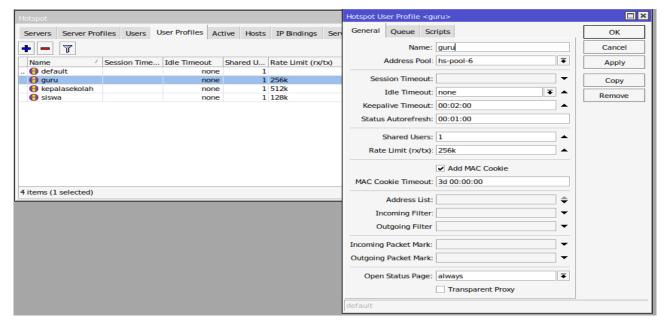
password: 123 kecepatan: 512 kbps



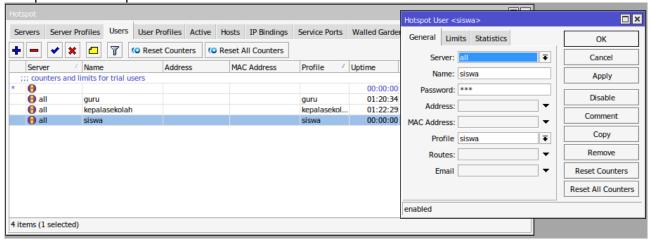


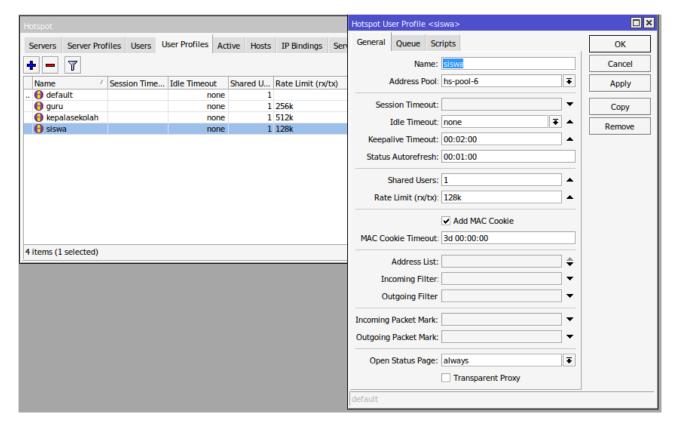
Username: guru password: 456 kecepatan: 256 kbps





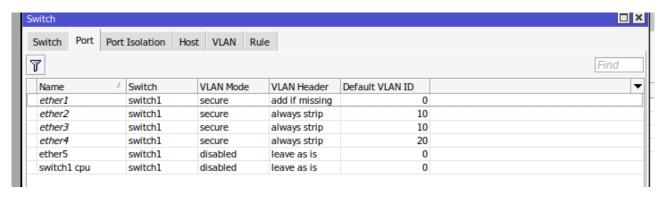
Username: siswa password: 789 kecepatan: 128 kbps





Konfigurasi VLAN pada Routerboard dengan ketentuan seperti berikut

- 1) Port 1 terhubung ke Wifi Routerboard dan difungsikan sebagai port trunk
- 2) Port 2 dan 3 terhubung ke VLAN 1
- 3) Port 4 terhubung ke VLAN 2
- 4) Gunakan mode VLAN secure dan logika "always-strip"







Bridge														
Bridge	Ports Port Ex	tensions VLANs MS	TIs Por	t MST Ove	errides Fi	Iters NAT	Hos	ts MDB						
+ -	♣ □ Ø Ø □ ▼													
#	Interface	Bridge	Horizon	Trusted	Priority (Path Cost	PVID	Role	Root Pat					
0 IH	a ether1	bridge1		no	80	10)	1 disabled port						
1 IH	ether2	bridge1		no	80	10)	1 disabled port						
2 IH	ether3	bridge1		no	80	10)	1 disabled port						
3 IH	a ether4	bridge1		no	80	10)	1 disabled port						

IP VLAN 1

```
petik-13@petik-13:-$ ip a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever

2: enp2s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether d8:5e:d3:ld:ld:dd brd ff:ff:ff:ff:ff
    inet 192.168.40.50/24 brd 192.168.40.255 scope global dynamic noprefixroute enp2s0
        valid_lft 589sec preferred_lft 589sec
    inet6 fe80::e4b3:5e7c:a7ba:f2a8/64 scope link noprefixroute
        valid_lft forever preferred_lft forever

3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
        link/ether 52:54:00:2c:d3:de brd ff:ff:ff:ff:
        inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
        valid_lft forever preferred_lft forever

ID VI AN 2
```

IP VLAN 2

```
oetik-13@petik-13:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
  valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
valid_lft forever preferred_lft forever
2: enp2s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
     link/ether d8:5e:d3:1d:1d:4d brd ff:ff:ff:ff:ff:ff
     inet 192.168.60.50/24 brd 192.168.60.255 scope global dynamic noprefixroute enp2s0
        valid_lft 585sec preferred_lft 585sec
     inet6 fe80::e4b3:5e7c:a7ba:f2a8/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000 link/ether 52:54:00:2c:d3:de brd ff:ff:ff:ff:ff
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
        valid_lft forever
```