Nama: Aulia Rachmawati

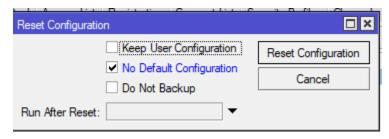
Nim : L200160015

Kelas: A

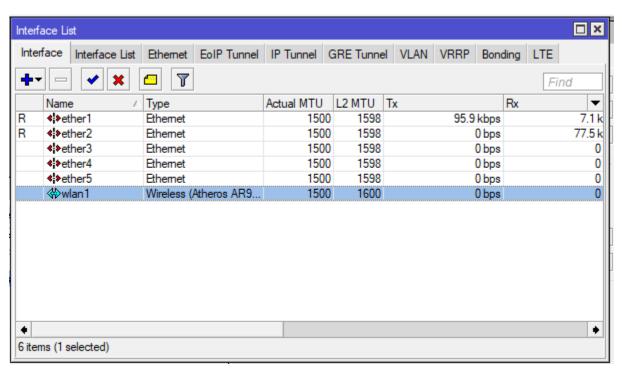
MIKROTIK 2

Reset terlebih dahulu

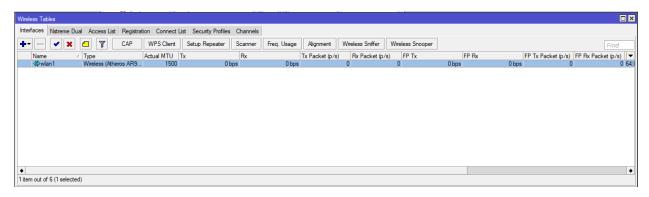
System – restart configuration



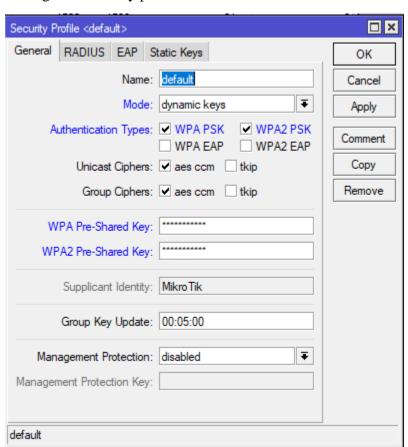
Interface list



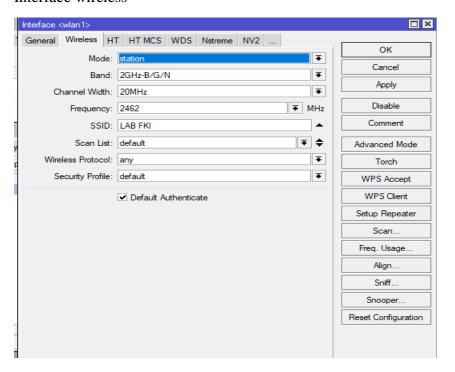
Wireless table



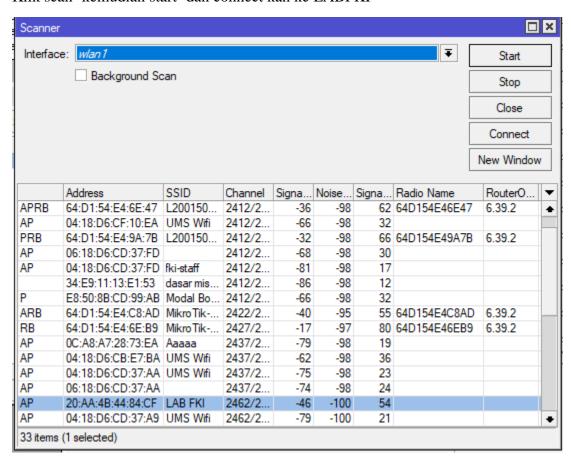
Konfigurasi security profile



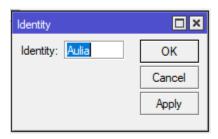
Interface wireless



Klik scan- kemudian start- dan connect kan ke LABFKI



2. system -identity

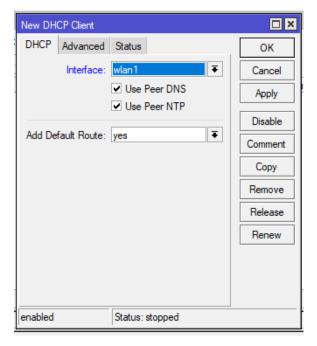


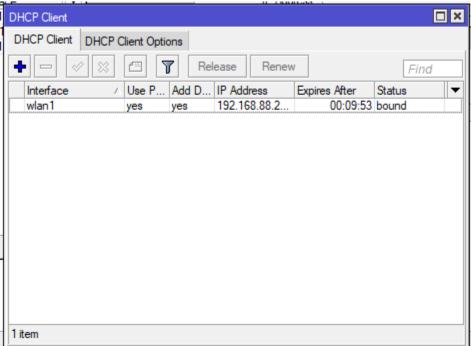
Konfigurasi router ke internet

Test ping sebelum konfigurasi

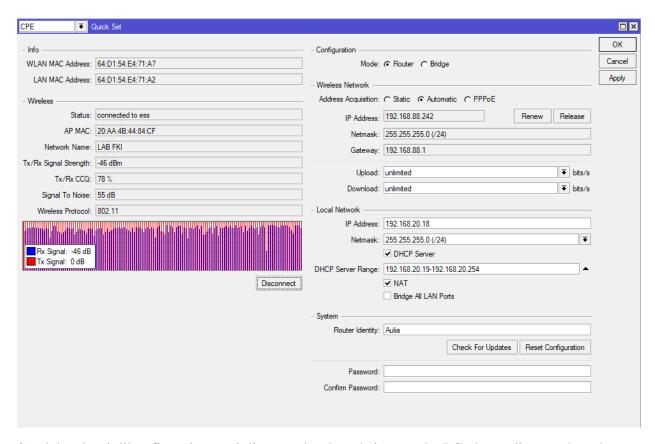
```
□ ×
Terminal
 MMMM
         MMMM
                                                TTTTTTTTTT
                                                                 KKK
                    KKK
 MMM MMMM MMM III KKK KKK RRRRRR
                                        000000
                                                    TTT
                                                            III KKK KKK
 MMM MM MMM III KKKKK
                              RRR RRR 000 000
                                                    TTT
                                                            III KKKKK
 MMM
          MMM III KKK KKK
                             RRRRRR
                                       000 000
                                                    TTT
                                                            III KKK KKK
 MMM
          MMM III KKK KKK RRR RRR
                                       000000
                                                    TTT
                                                            III KKK KKK
 MikroTik RouterOS 6.39.2 (c) 1999-2017
                                             http://www.mikrotik.com/
               Gives the list of available commands
command [?]
               Gives help on the command and list of arguments
               Completes the command/word. If the input is ambiguous,
[Tab]
               a second [Tab] gives possible options
               Move up to base level
               Move up one level
/command
               Use command at the base level
[admin@Aulia] >
[admin@Aulia] > ping google.com
invalid value for argument address:
   invalid value of mac-address, mac address required
   invalid value for argument ipv6-address
   while resolving ip-address: could not get answer from dns server
[admin@Aulia] >
```

Tambah dhcp client





Quick-set-cpe konfigurasi



Setelah selesai dikonfigurai seperti diatas, cabut koneksi router ke PC , kemudian sambungkan kembali

Cek ip local

```
Ethernet adapter Ethernet:

Connection-specific DNS Suffix .:
Link-local IPv6 Address . . . . : fe80::ac57:ed80:51d0:17a5%21
IPv4 Address . . . . . . : 192.168.20.254
Subnet Mask . . . . . . . . : 255.255.255.0
Default Gateway . . . . . . : 192.168.20.18
```

Ping ip local router

```
C:\Users\ASUS>ping 192.168.20.18

Pinging 192.168.20.18 with 32 bytes of data:
Reply from 192.168.20.18: bytes=32 time=1ms TTL=64
Reply from 192.168.20.18: bytes=32 time<1ms TTL=64
Reply from 192.168.20.18: bytes=32 time<1ms TTL=64
Reply from 192.168.20.18: bytes=32 time<1ms TTL=64
Ping statistics for 192.168.20.18:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\ASUS>
```

Masuk kembali ke router dan tes ping google melalui router

```
[admin@Aulia] > ping google.com

SEQ HOST

0 74.125.68.100

1 74.125.68.100

2 74.125.68.100

3 74.125.68.100

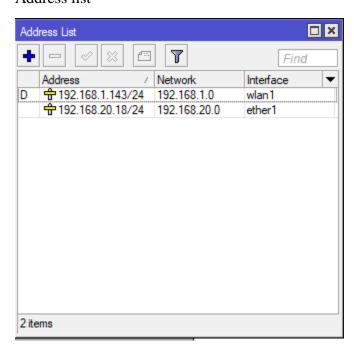
56 46 24ms

3 74.125.68.100

56 46 26ms

■
```

Address list

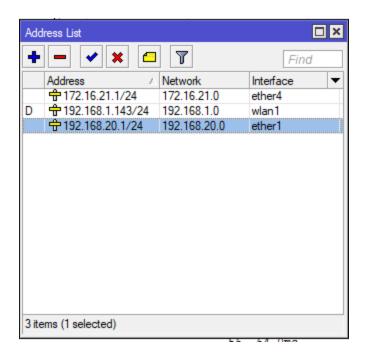


Ping ip router

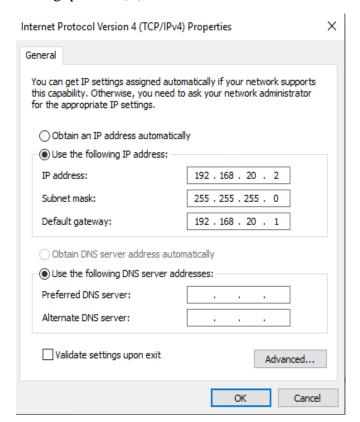
```
C:\Users\ASUS>ping 192.168.1.143
Pinging 192.168.1.143 with 32 bytes of data:
Reply from 192.168.1.143: bytes=32 time<1ms TTL=64
Ping statistics for 192.168.1.143:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms</pre>
C:\Users\ASUS>
```

Konfigurasi Ether 4 router untuk komunikasi antar PC yang berada pada router yang berbeda.

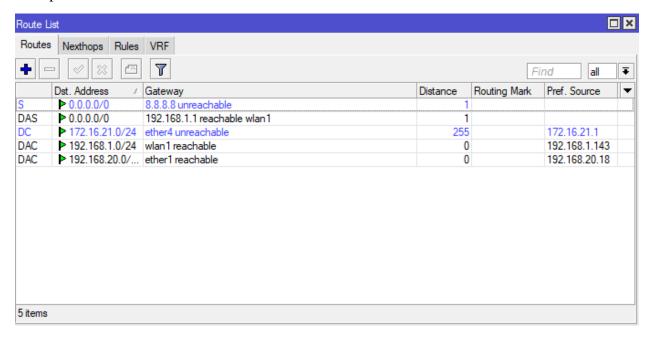




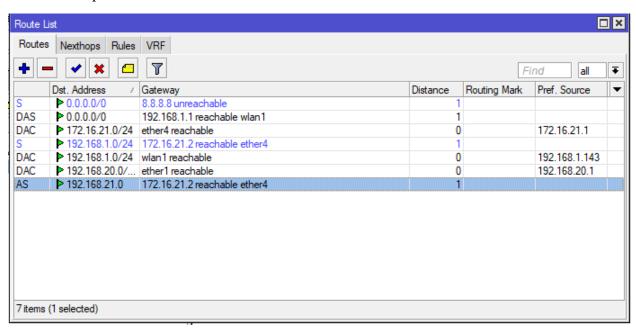
Setting ip client (A)



Cek ip routes



Tambahkan ip route ether 4



Ping gateway router wyne

```
[admin@Aulia] > ping 172.16.21.1

SEQ HOST

0 172.16.21.1

1 172.16.21.1

2 172.16.21.1

3 172.16.21.1

4 172.16.21.1

5 6 64 0ms

5 172.16.21.1

5 6 64 0ms

5 6 64 0ms

5 172.16.21.1

5 6 64 0ms
```

Ping pc ke router

```
C:\Users\ASUS>ping 172.16.21.2

Pinging 172.16.21.2 with 32 bytes of data:
Reply from 172.16.21.2: bytes=32 time=2ms TTL=63

Ping statistics for 172.16.21.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 2ms, Average = 2ms

C:\Users\ASUS>
```