QUICK GUIDE

https://tunnel.my.id

PROSEDUR KEAMANAN

Apakah VPN ini aman?

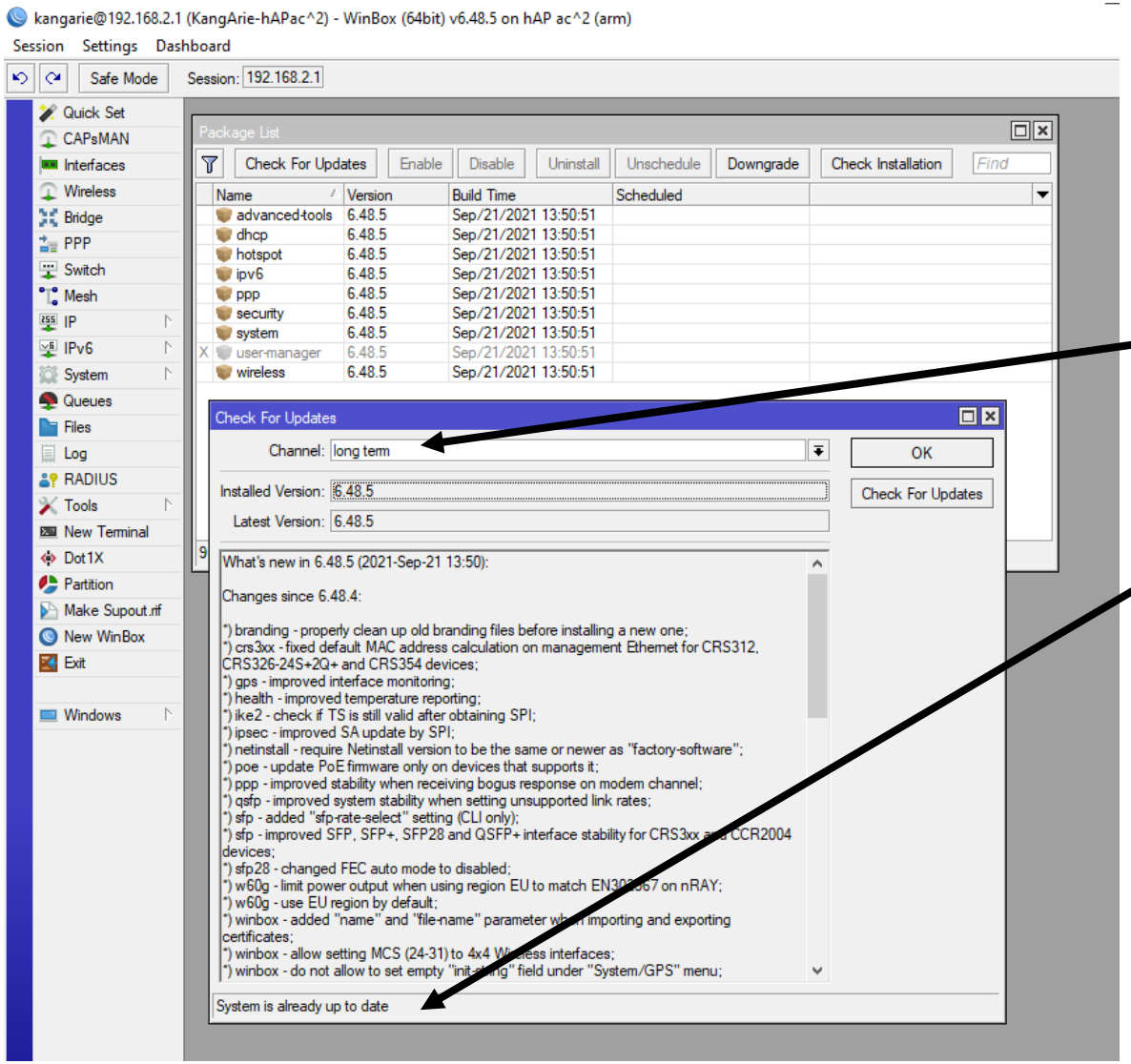
VPN INI TIDAK AMAN

NO SYSTEM IS SAFE

TIPS MENGAMANKAN ROUTER

1. Pastikan selalu menggunakan router os versi terbaru.
2. Cek https://mikrotik.com/download untuk lihat versi terbaru
3. Buat user baru di System – User.
4. Gunakan user/pass yang rumit atau susah ditebak
5. Hapus user admin yang ada di System – User
6. Jika pernah memberi user/pass Winbox anda kepada orang lain segera ganti
7. User/pass VPN TIDAK BOLEH sama dengan user/pass winbox
8. Akses API jangan akses FULL
9. Akses API gunakan HANYA policies: read, write, api, sensitive

PASTIKAN MENGGUNAKAN ROS TERBARU

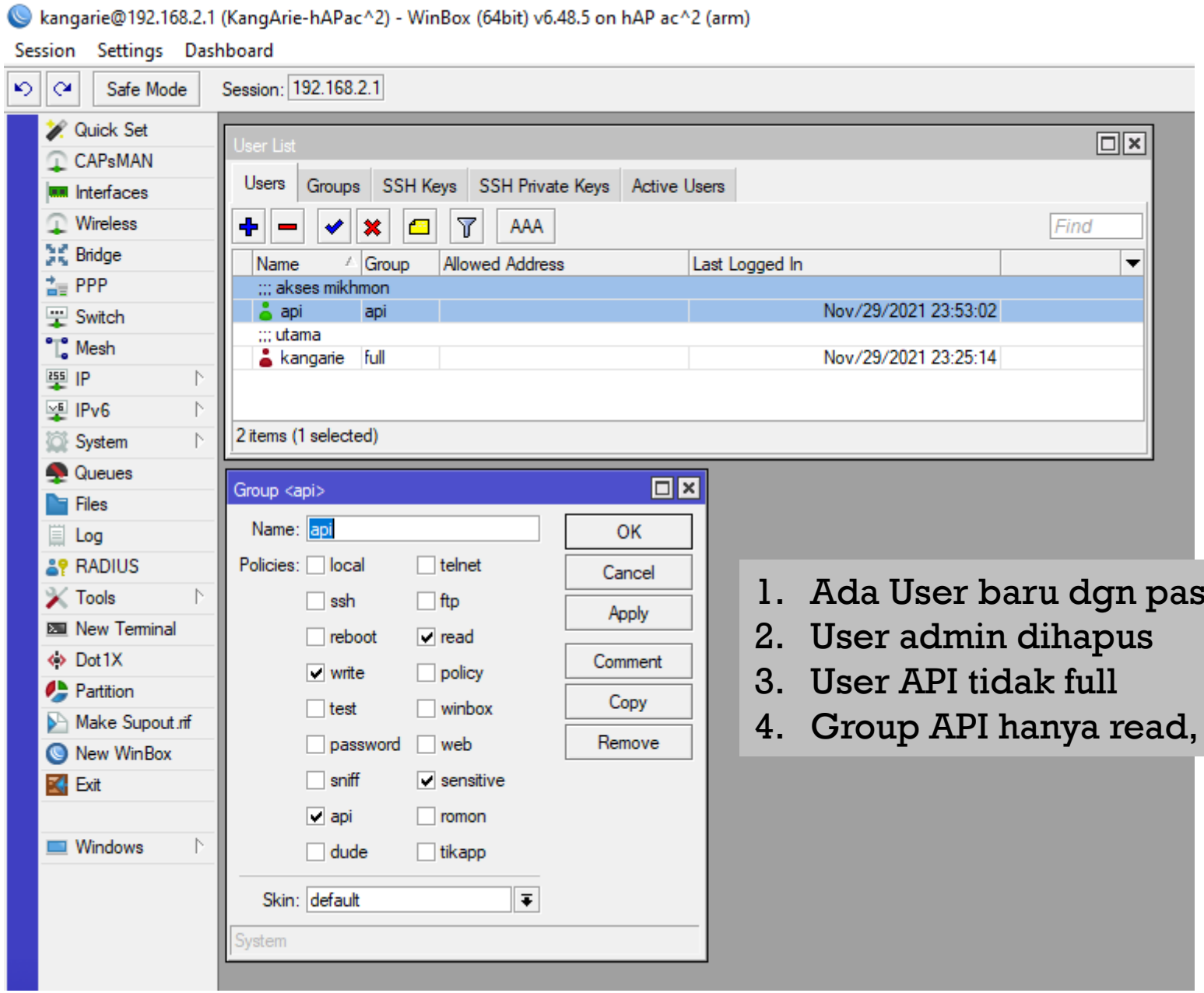


System - Packages

Boleh longterm
Boleh stable

"System is already up to date"

PASTIKAN USER AMAN



System - Users

1. Ada User baru dgn password rumit
2. User admin dihapus
3. User API tidak full
4. Group API hanya read, write, api, sensitive

PRASARAT

SYARAT ROUTER

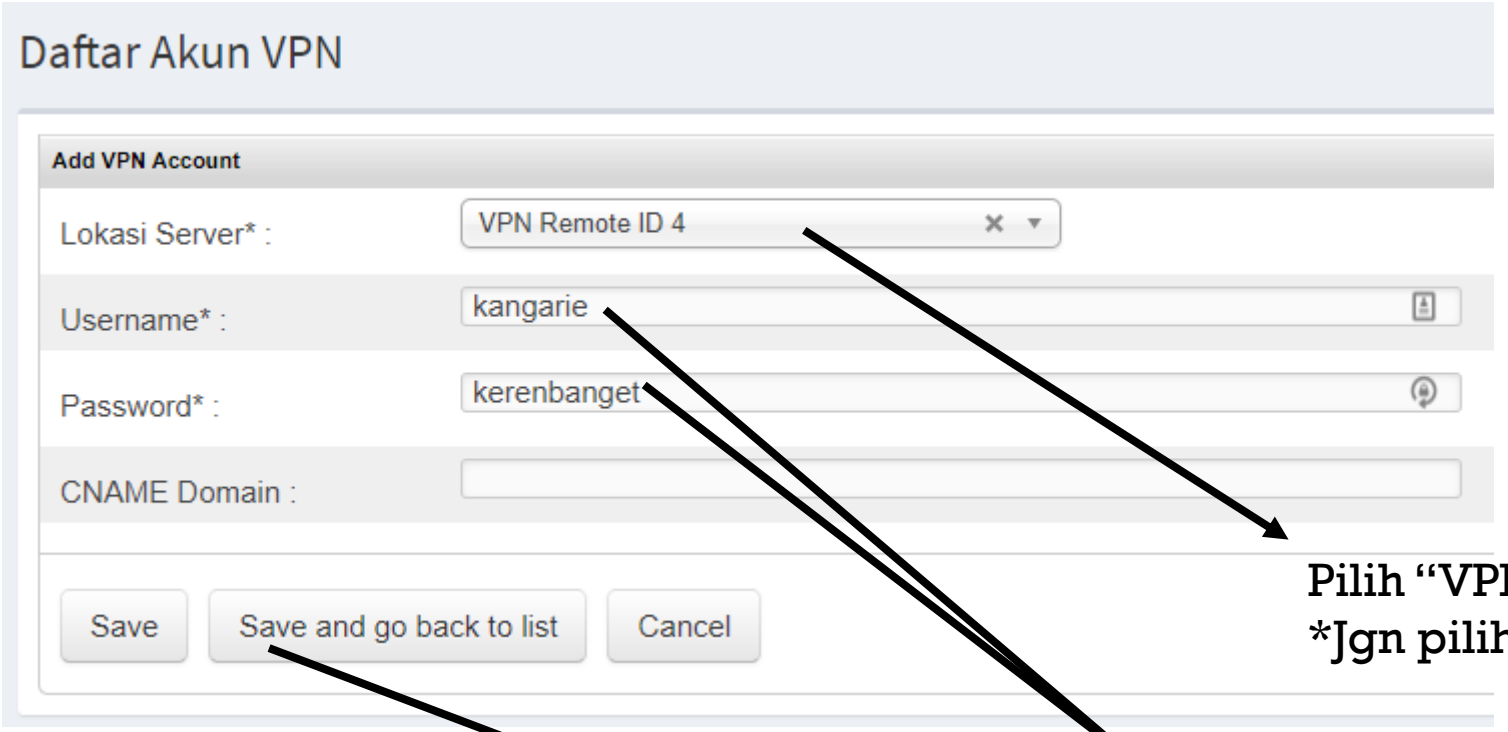
1. Bisa ping 8.8.8.8
2. Bisa ping kangarie.com
3. Bisa ping server, contoh : ping id.tunnel.my.id

kalau ping di atas aja gagal, vpn tidak akan pernah bisa connected

MEMBUAT VPN REMOTE

DAFTAR AKUN VPN

Member Area – Menu VPN – Add VPN Account



Pilih "VPN REMOTE"
*Jgn pilih VPN Interkoneksi

Buat user/pass VPN
*Jangan sama dgn user/pass winbox

Klik ini utk menyimpan

HASIL VPN REMOTE

Tipe VPN : VPN Remote

WAJIB CREATE VPN MENGGUNAKAN
APLIKASI WINBOX di PC/LAPTOP

Username : kangarie
Password : kerenbanget
Status : active
Created On : 16 September 2019
Last Login : 24 November 2020
Last IP : 112.78.178.237 / Biznet Networks

IP Netwatch : 192.168.195.1

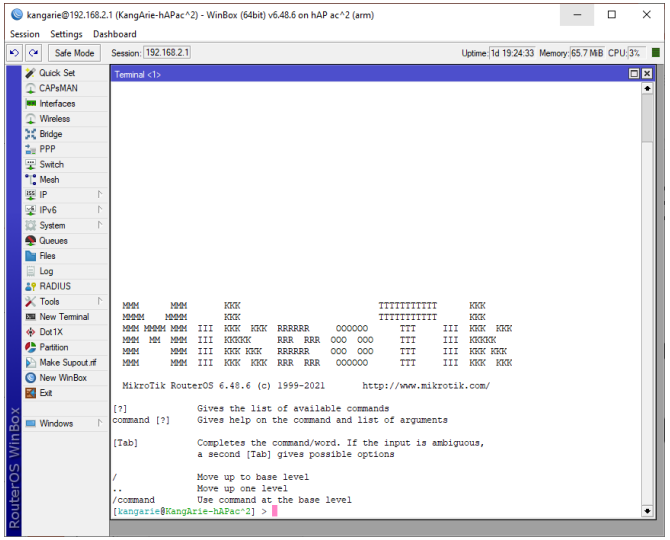
Server : id4.tunnel.my.id
Port : 1000 / 11000
Config : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN : 192.168.195.207
CNAME : kangarie.id4.tunnel.my.id
Port 22 : id4.tunnel.my.id:1207 <--> 192.168.195.207:22
Port 80 : id4.tunnel.my.id:1507 <--> 192.168.195.207:80
Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728 : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728

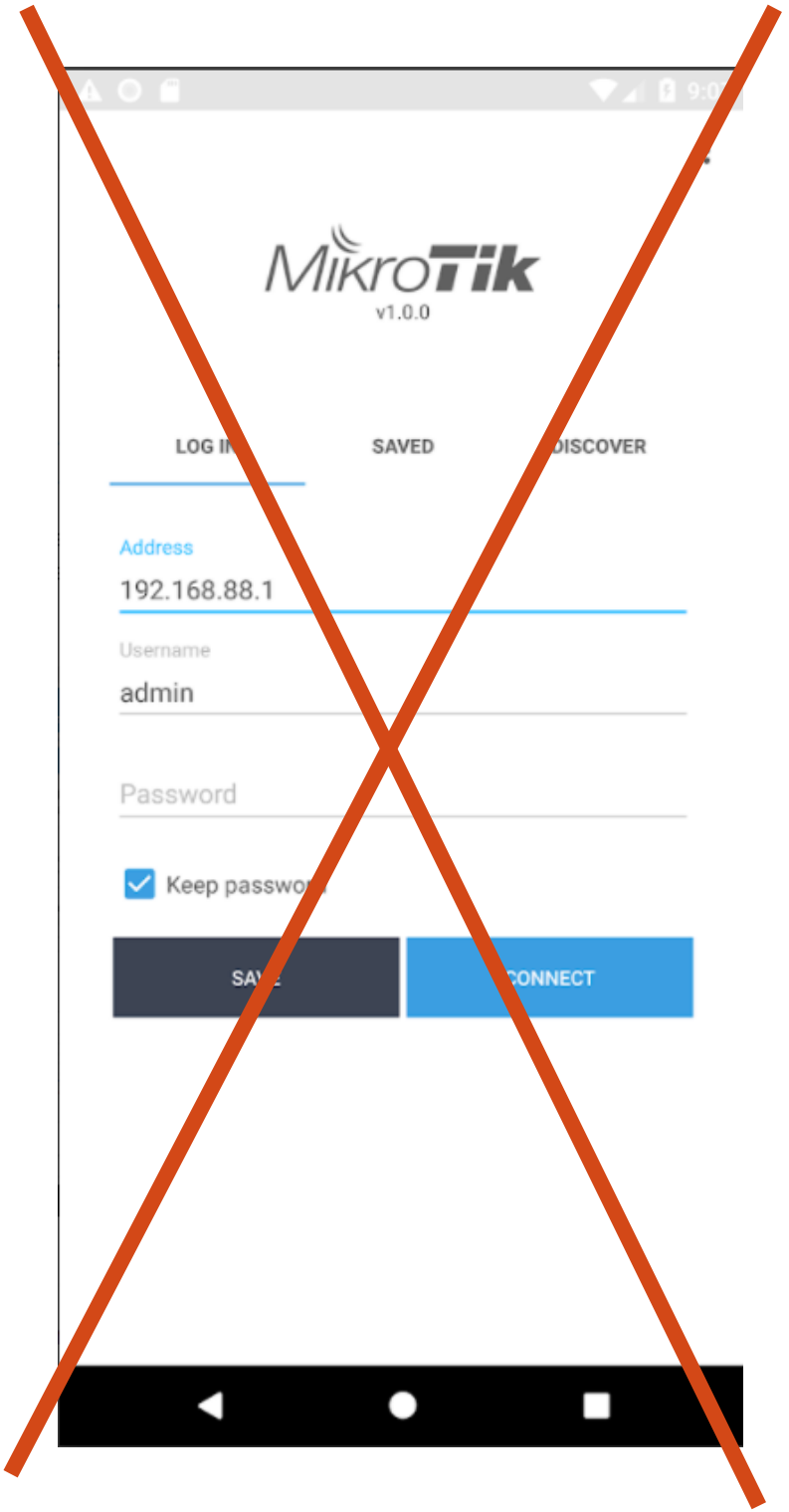
MEMASANG VPN REMOTE

WAJIB PAKAI

WINBOX

di Laptop/PC

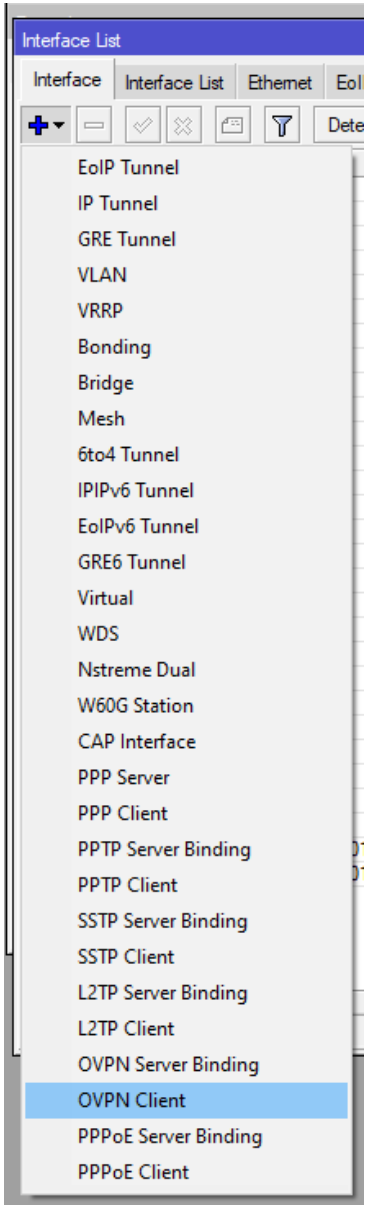


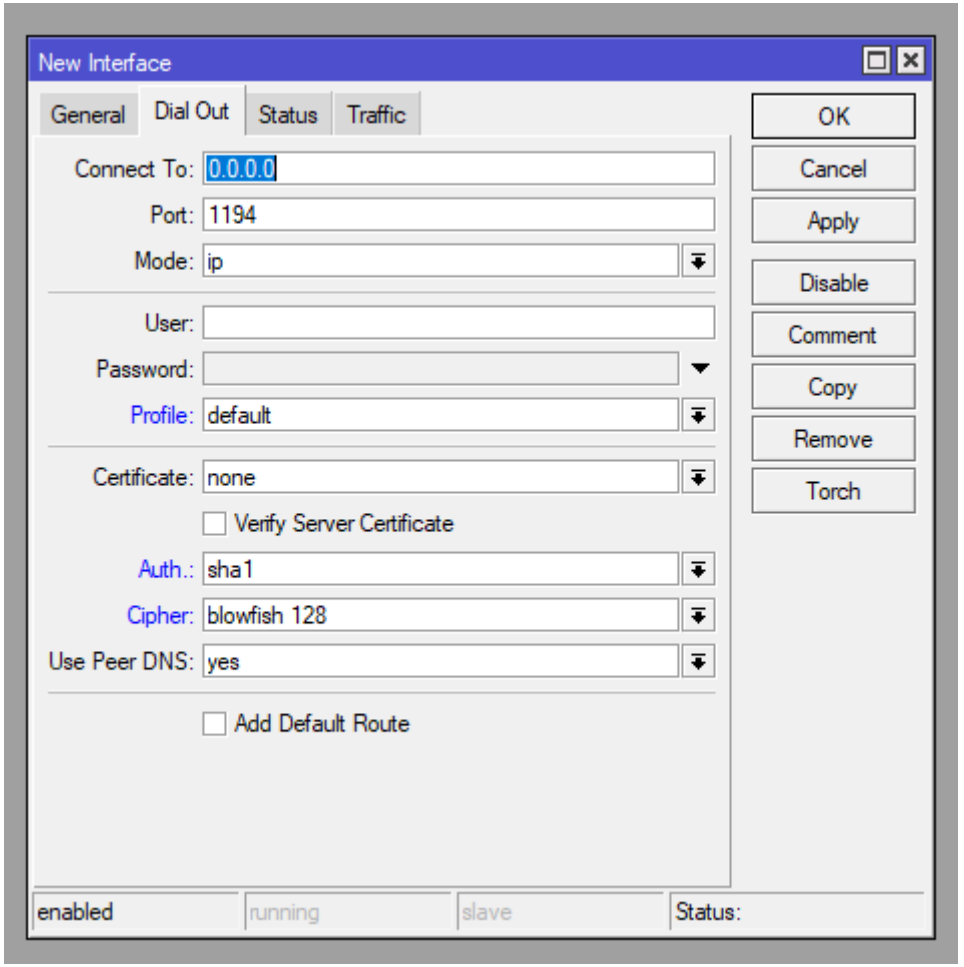


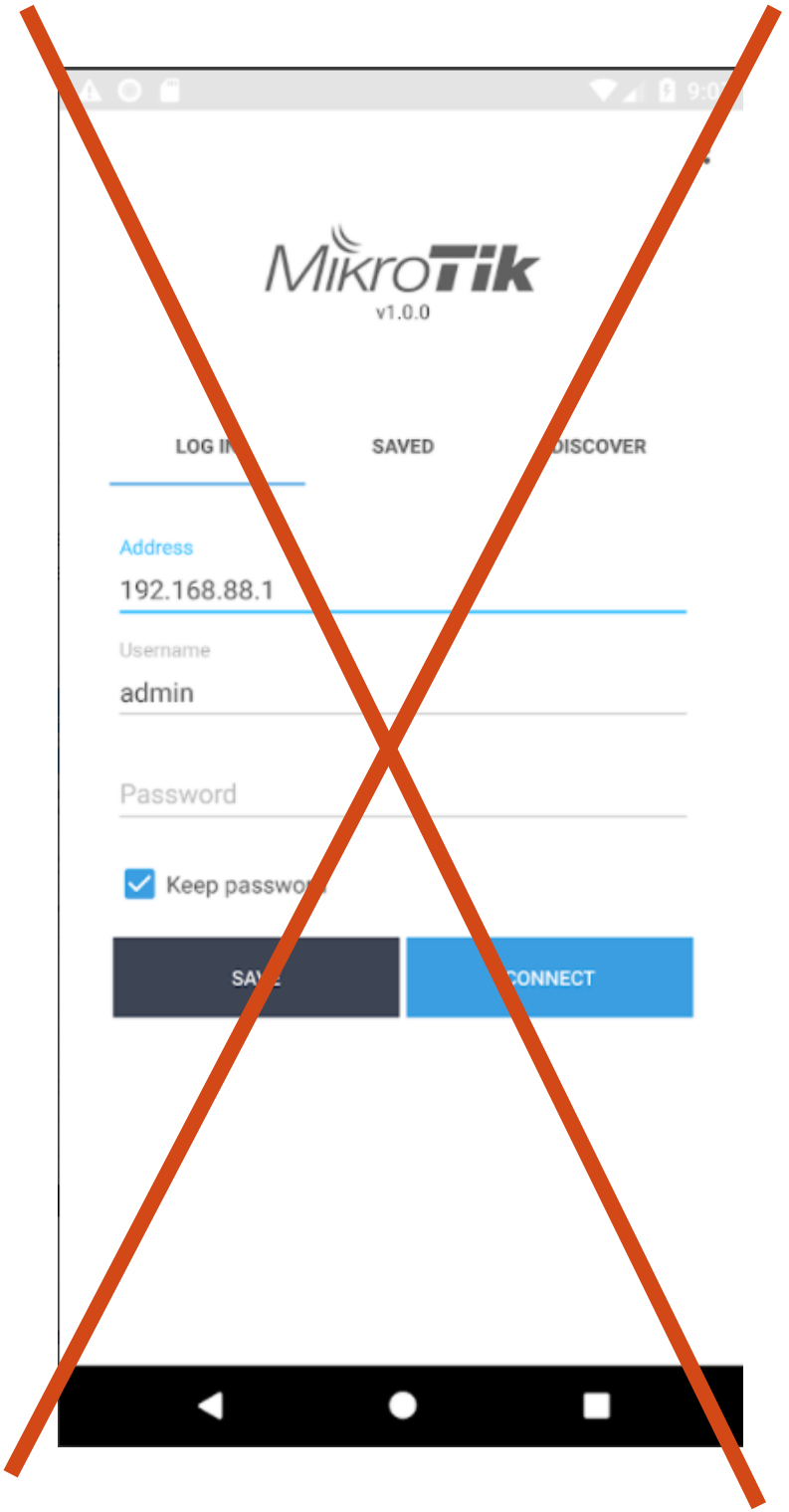
JANGAN PAKAI APLIKASI ANDROID

ADD OVPN CLIENT

STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP







JANGAN PAKAI APLIKASI ANDROID

INPUT VPN ACCOUNT

Tipe VPN : VPN Remote

WAJIB CREATE VPN MENGGUNAKAN
APLIKASI WINBOX di PC/LAPTOP

Username : kangarie
Password : kerenbanget
Status : active
Created On : 16 September 2019
Last Login : 24 November 2020
Last IP : 112.78.178.237 / Biznet Networks

IP Netwatch : 192.168.195.1

Server : id4.tunnel.my.id
Port : 1000 / 11000
Config : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN : 192.168.195.207
CNAME : kangarie.id4.tunnel.my.id
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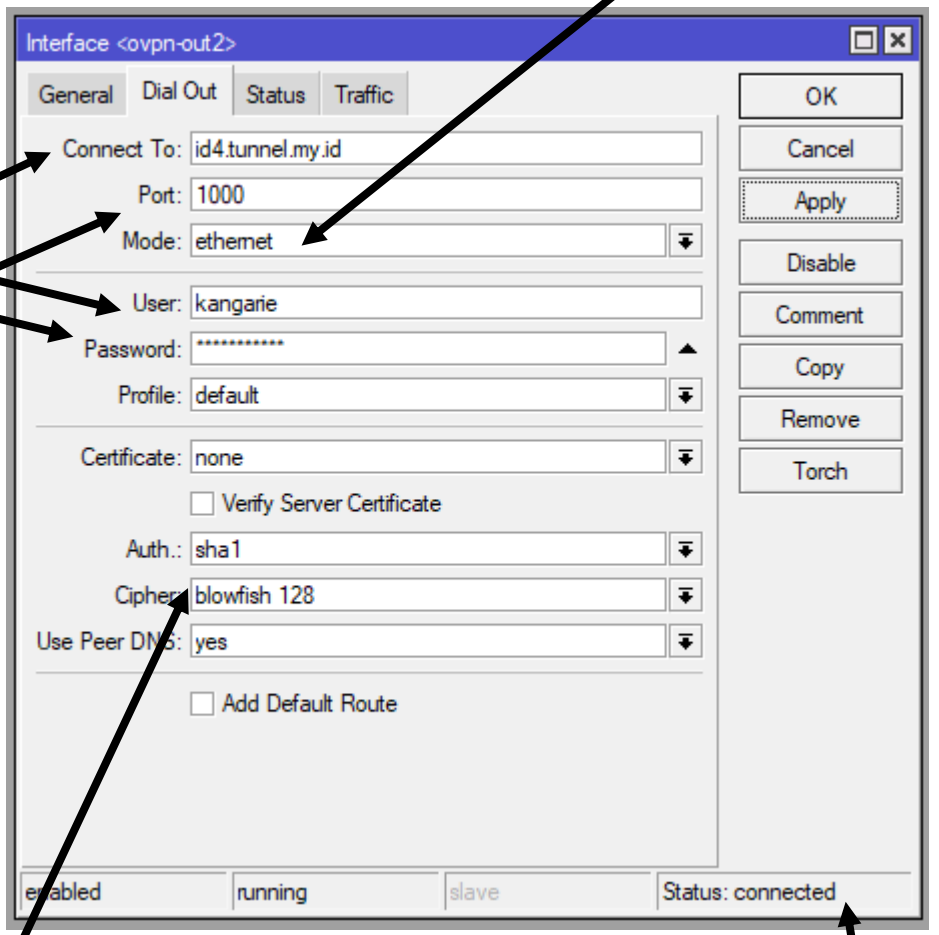
Port 80 : id4.tunnel.my.id:1507 <--> 192.168.195.207:80
Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728 : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728

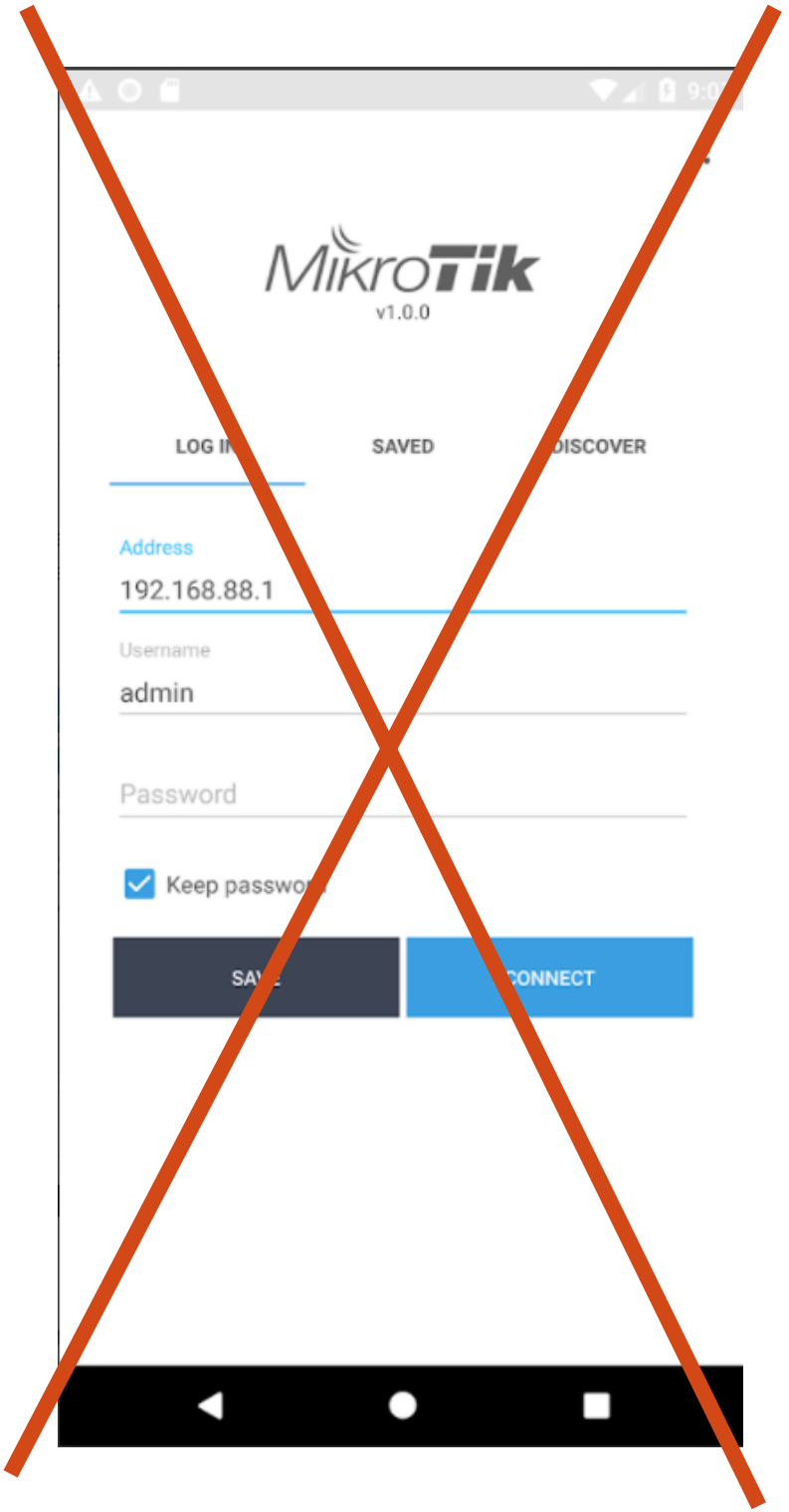
Mode : ethernet



STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP

Auth: sha1
Chiper: blowfish128

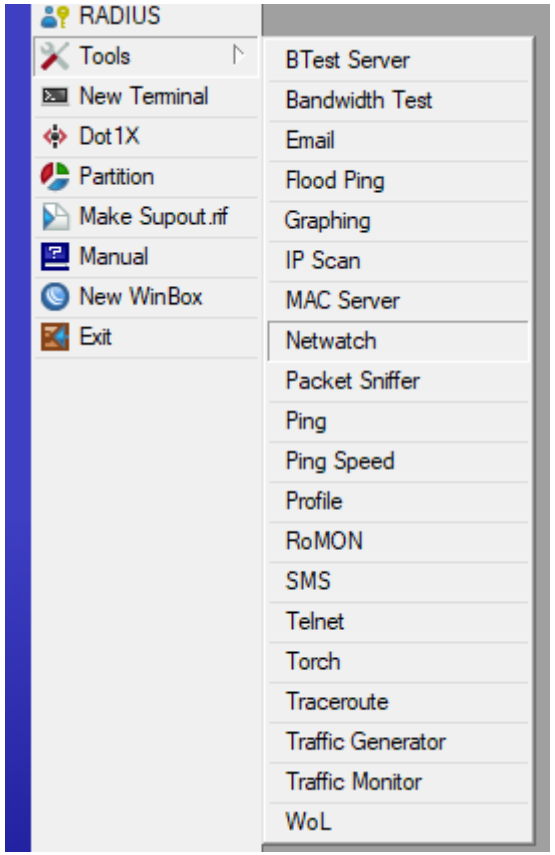
Wajib connected

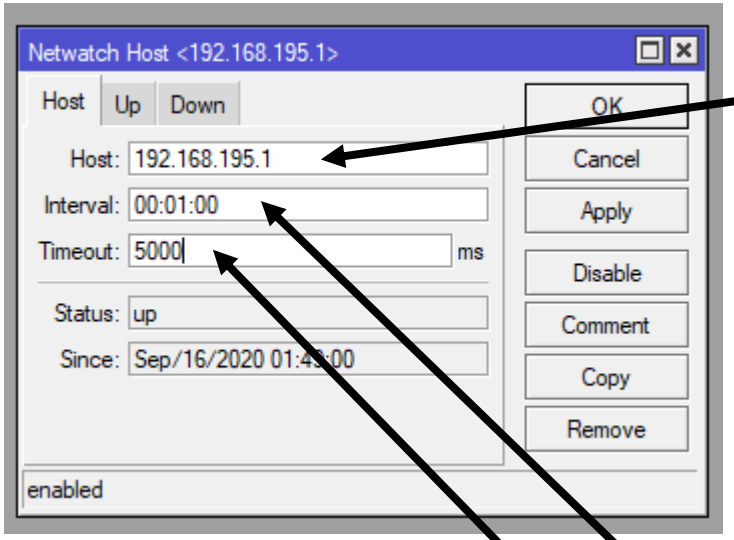


JANGAN PAKAI APLIKASI ANDROID

NETWATCH ROS 6.X

STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP





IP NETWATCH VPN REMOTE

192.168.195.1

NETWATCH WAJIB ADA
NETWACTH WAJIB PAKAI IP INI

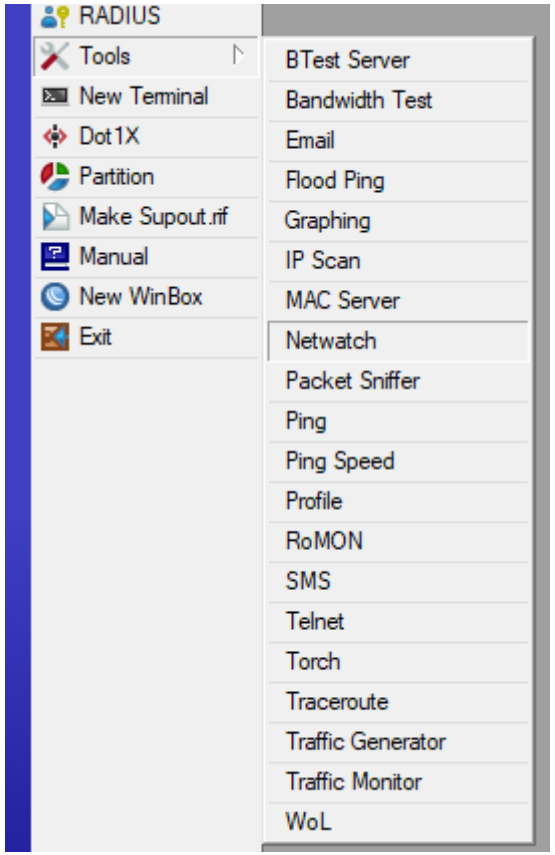
TIDAK BOLEH MERUBAH IP INI

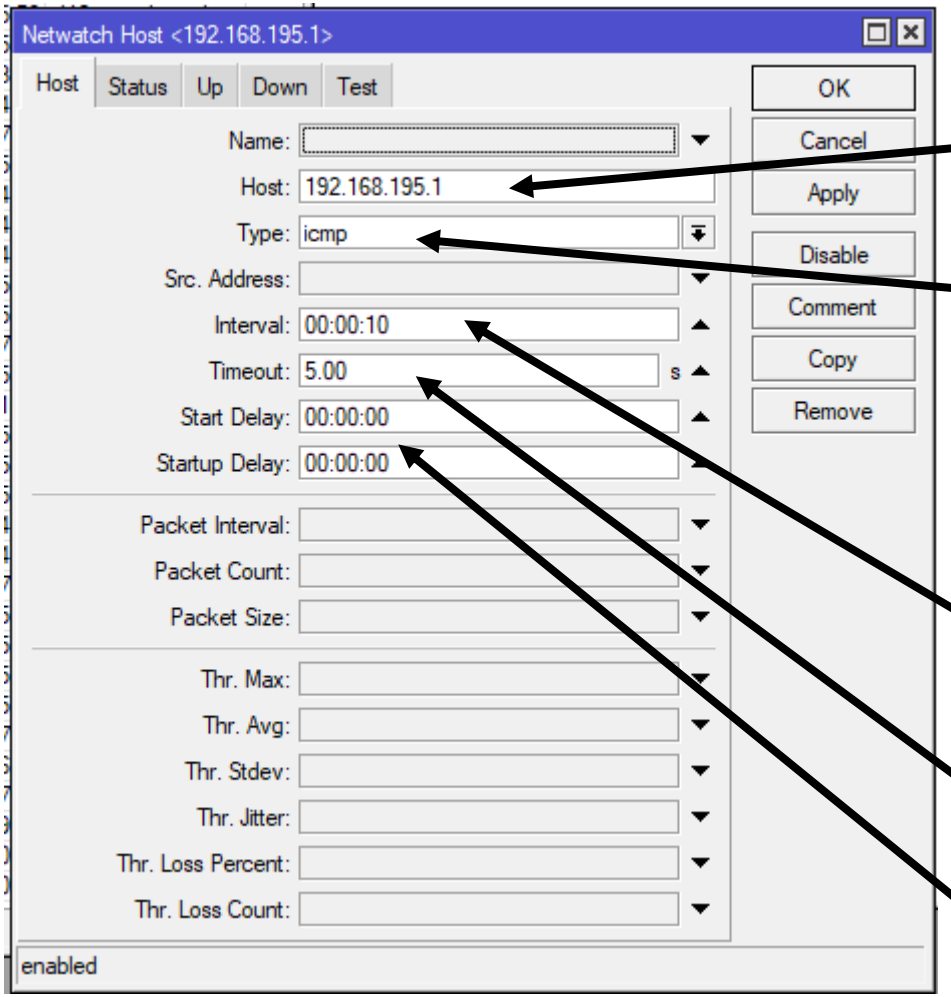
Interval 1 menit

Timeout 5000ms

NETWATCH ROS 7.X

STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP





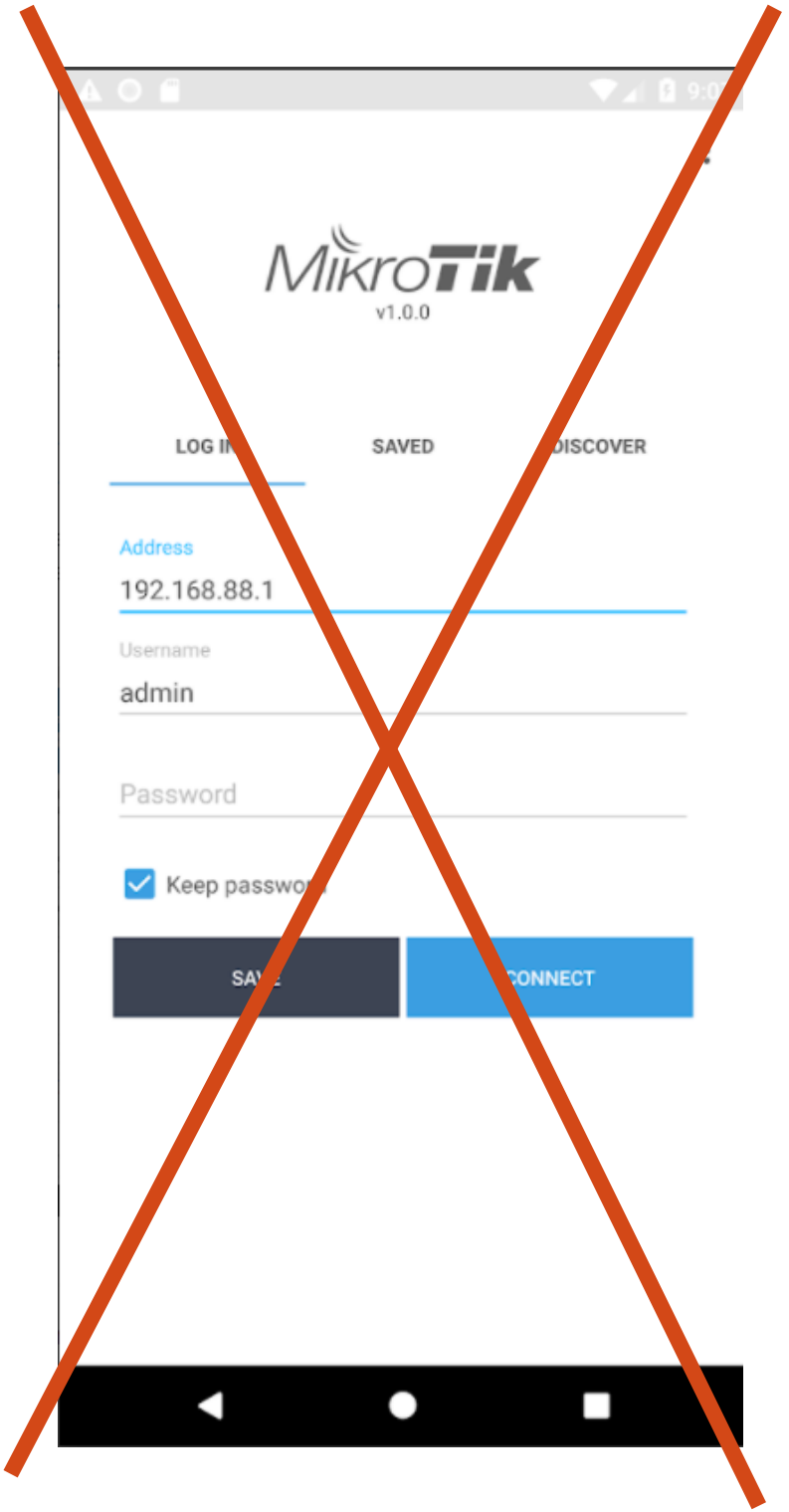
IP : 192.168.195.1

Type: ICMP

Interval : 00:01:00

Timeout : 5

Delay 00:00:00



JANGAN PAKAI APLIKASI ANDROID

IP NETWATCH VPN REMOTE

192.168.195.1

CARA REMOTE

AKSES WINBOX

id4.tunnel.my.id:1807

```
Tipe VPN  : VPN Remote

WAJIB CREATE VPN MENGGUNAKAN
APLIKASI WINBOX di PC/LAPTOP

Username   : kangarie
Password   : kerenbanget
Status     : active
Created On : 16 September 2019
Last Login : 24 November 2020
Last IP    : 112.78.178.237 / Biznet Networks

IP Netwatch : 192.168.195.1

Server    : id4.tunnel.my.id
Port      : 1000 / 11000
Config    : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN    : 192.168.195.207
CNAME     : kangarie.id4.tunnel.my.id
Port 22   : id4.tunnel.my.id:1207 <--> 192.168.195.207:22
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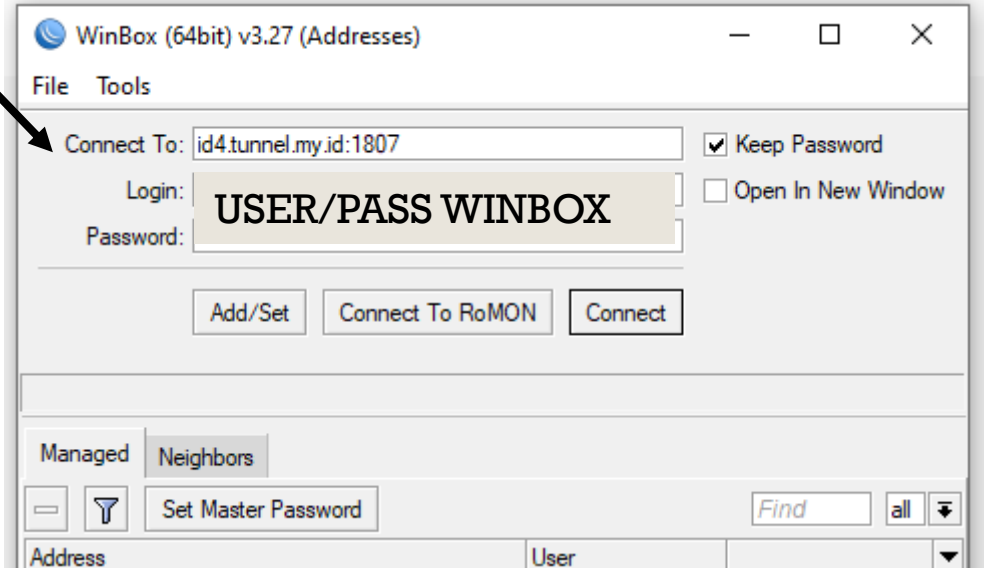
Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728 : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728
```



AKSES VIA MIKROTIK ANDROID/IOS

id4.tunnel.my.id:1807

```
Tipe VPN   : VPN Remote

WAJIB CREATE VPN MENGGUNAKAN
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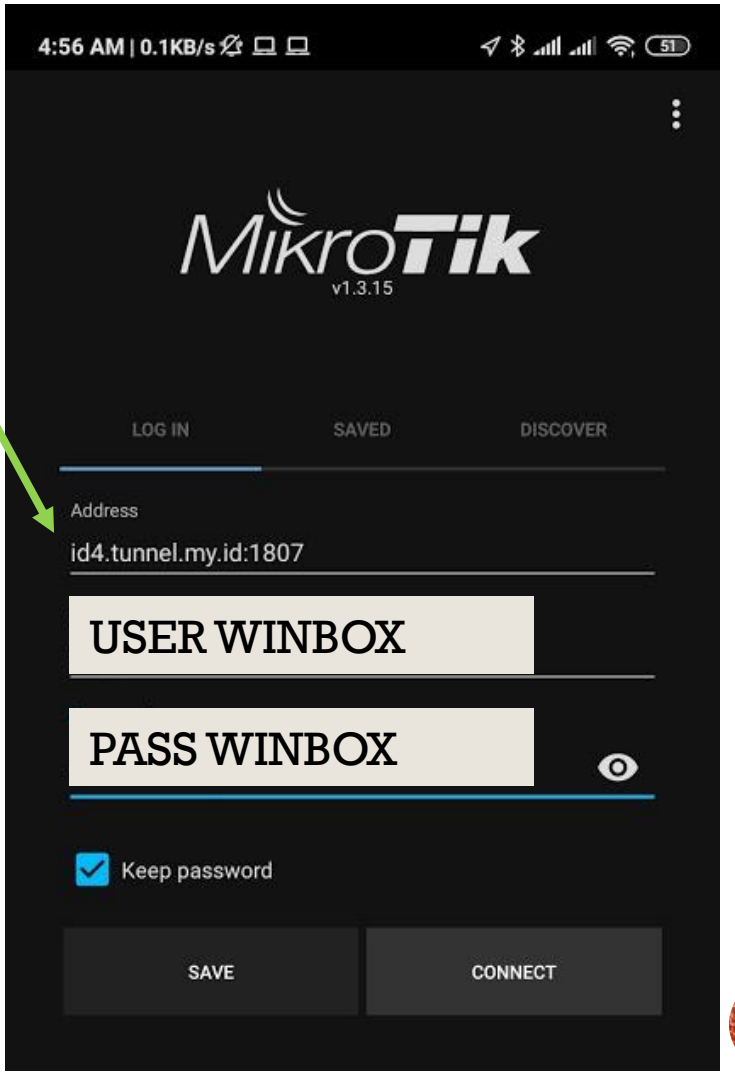
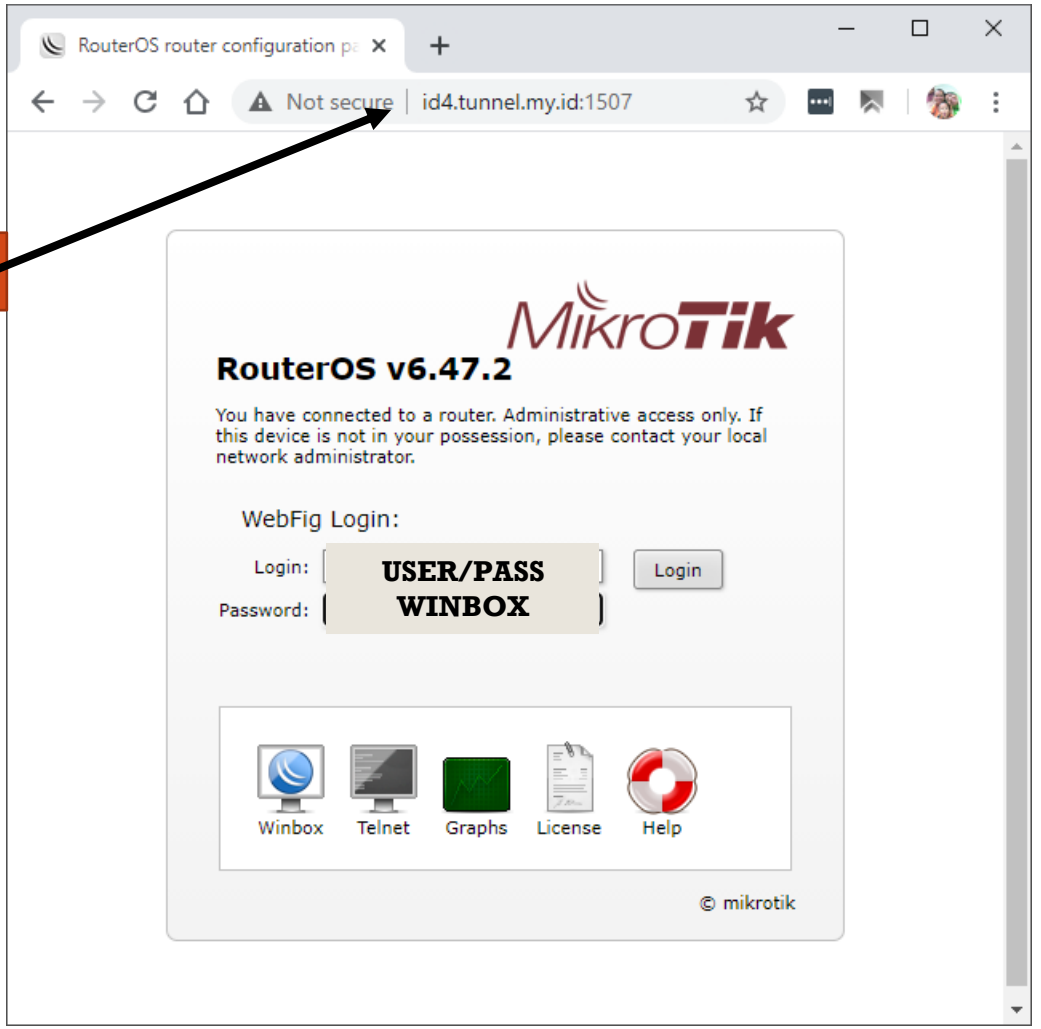
```



AKSES VIA WEBFIG

id4.tunnel.my.id:1507




```
Tipe VPN  : VPN Remote

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Port 8728  : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728
```

AKSES USERMAN

```
Tipe VPN  : VPN Remote

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APLIKASI WINBOX di PC/LAPTOP

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Password   : kerenbanget
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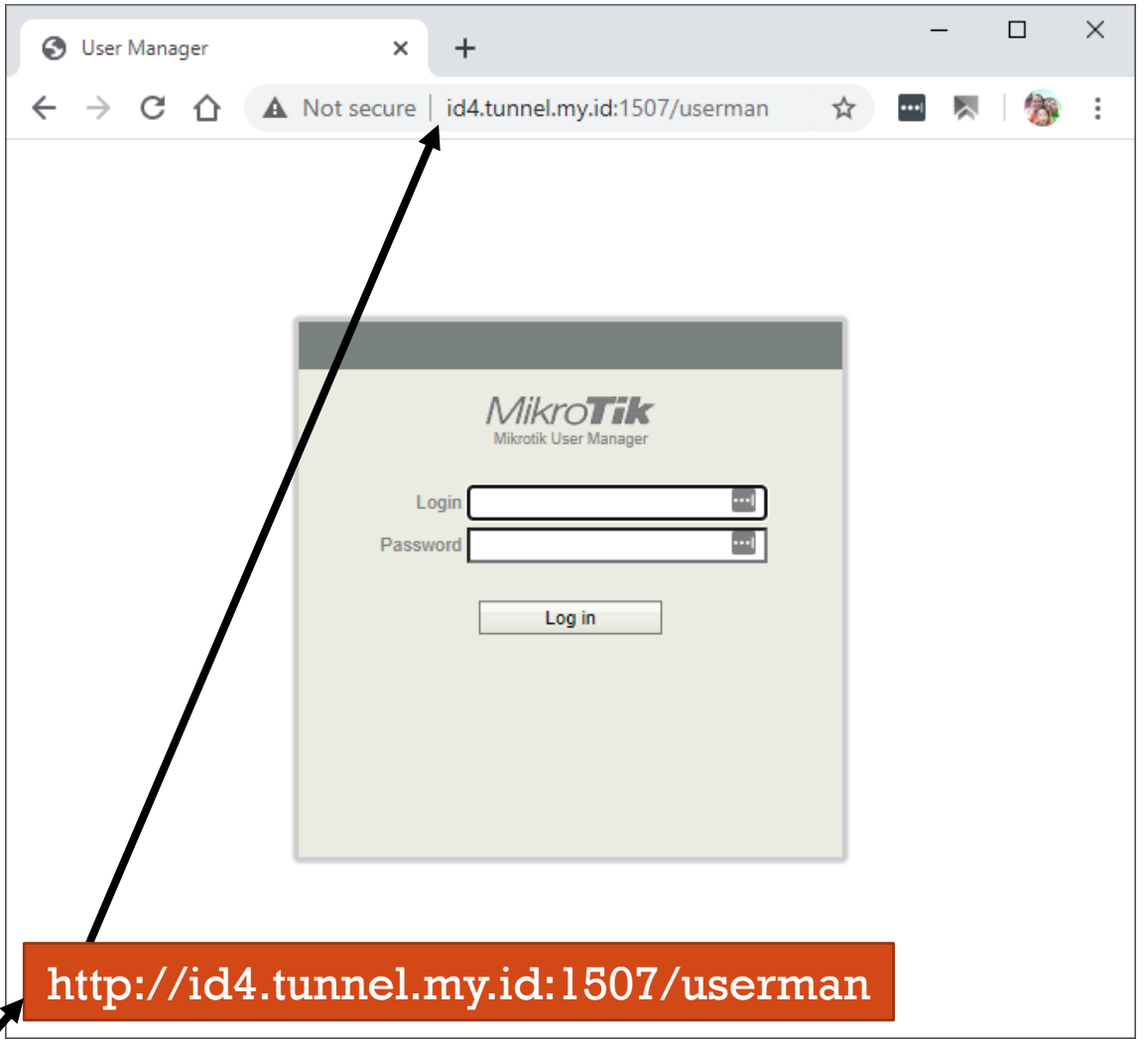

AKSES MIKHMON

```
Server     : id4.tunnel.my.id
Port       : 1000 / 11000
Config     : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN     : 192.168.195.207
CNAME      : kangarie.id4.tunnel.my.id
Port 22    : id4.tunnel.my.id:1207 <--> 192.168.195.207:22
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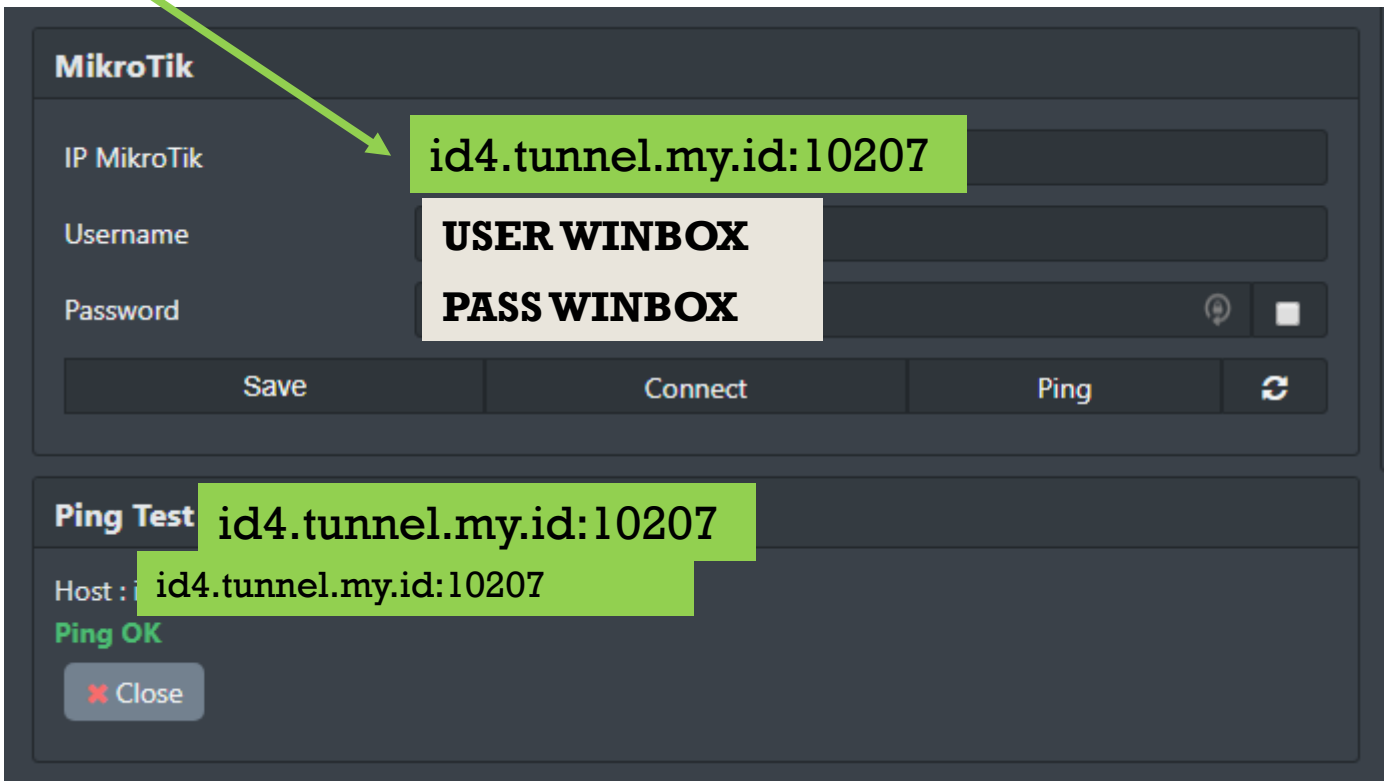
Port 8291  : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728  : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728
```

id4.tunnel.my.id:10207



AKSES MIKRO WINBOX PRO

```
Server     : id4.tunnel.my.id
Port       : 1000 / 11000
Config     : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN     : 192.168.195.207
CNAME      : kangarie.id4.tunnel.my.id
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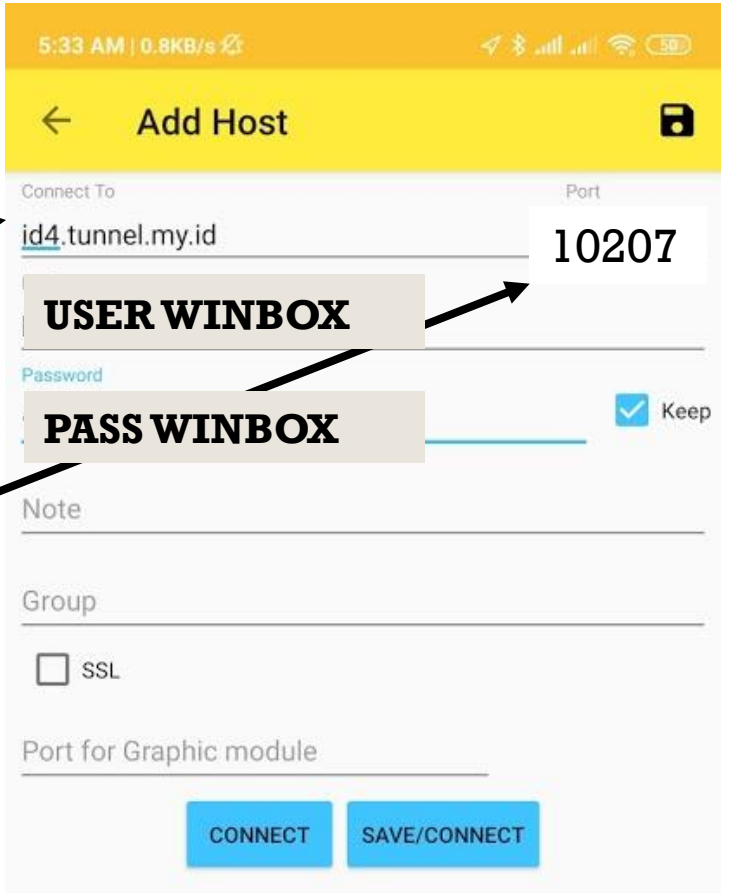
```



PORT FORWARD

Note

1. Untuk remote webserver, akses point, openwrt, dkk

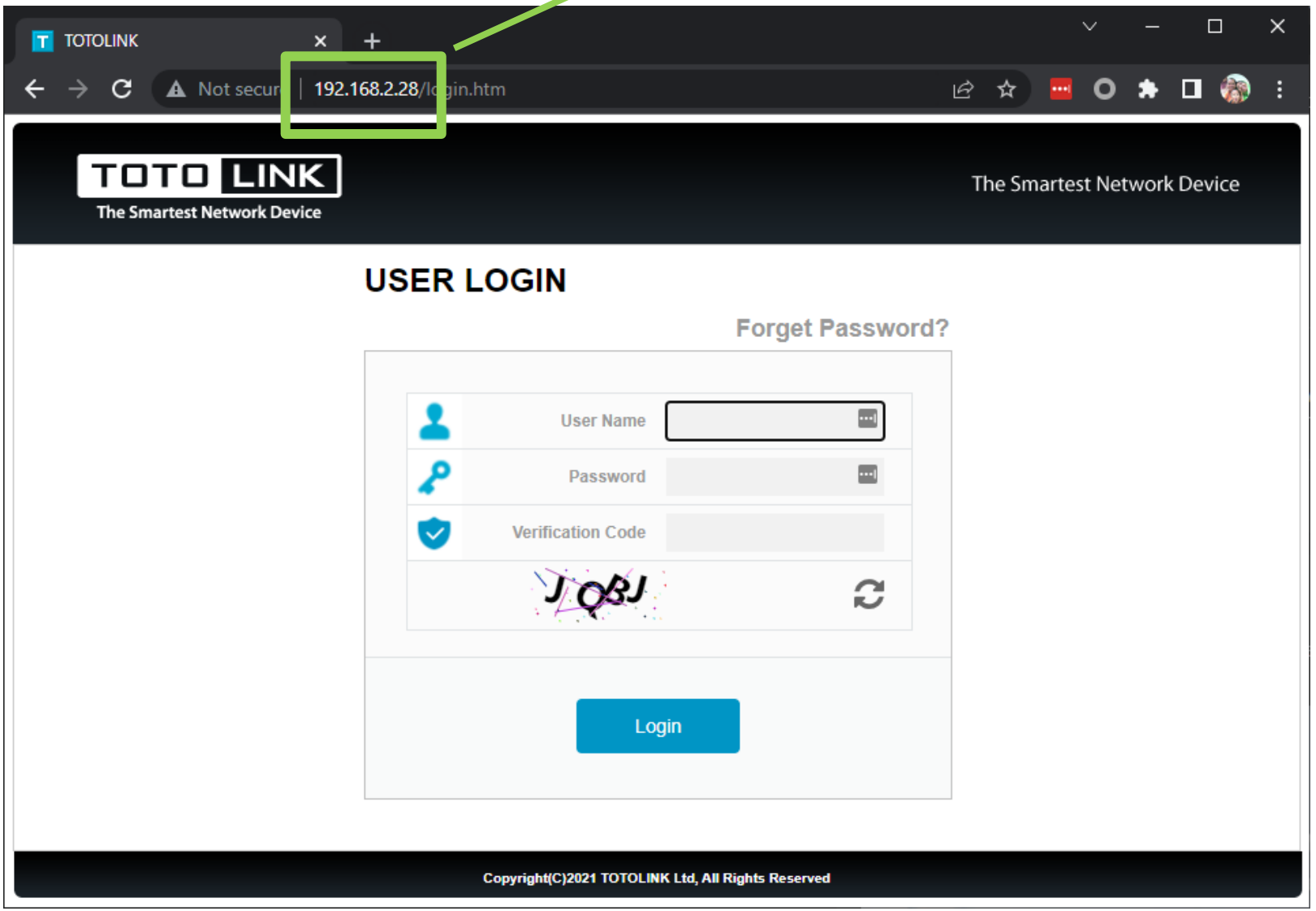
JENIS DEVICE YG BISA DI PORT FORWARD

- Akses point
- Web server
- MySQL server
- SSH / SCP Server

IP LOCAL AKSES POINT

http://192.168.2.28/

TARGET
IP 192.168.2.28
PORT 80



Catatan

http port 80
https port 443

IP LOCAL VPN

```
Tipe VPN  : VPN Remote

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APLIKASI WINBOX di PC/LAPTOP

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Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728 : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728
```

IP LOCAL VPN 192.168.195.207

APAKAH SUDAH DAPAT INFO BERIKUT

IP Local Akses Point yang ada di tempat anda ?

- Dalam contoh sebelum nya IP AP adalah 192.168.2.28
- Sesuaikan dengan IP AP yang di tempat anda

IP Local VPN yang ada di member area ?

- Dalam contoh sebelum nya IP VPN adalah 192.168.195.207
- Sesuaikan dengan IP yg didapat di member area

JANGAN SAMAKAN PERSIS DENGAN TUTORIAL YANG ADA !!!

PRASARAT

- IP AP wajib bisa di-ping dari mikrotik
- Sesuaikan dengan IP AP yang di tempat anda

```
[kangarie@KangArie-hAPac^2] > ping 192.168.2.28
  SEQ HOST                                     SIZE TTL TIME  STATUS
    0 192.168.2.28                               56  65 1ms
    1 192.168.2.28                               56  65 1ms
    2 192.168.2.28                               56  65 0ms
    3 192.168.2.28                               56  65 1ms
    4 192.168.2.28                               56  65 0ms
    5 192.168.2.28                               56  65 1ms
    6 192.168.2.28                               56  65 0ms
    7 192.168.2.28                               56  65 0ms
    8 192.168.2.28                               56  65 0ms
    9 192.168.2.28                               56  65 0ms
   10 192.168.2.28                               56  65 0ms
    sent=11 received=11 packet-loss=0% min-rtt=0ms avg-rtt=0ms max-rtt=1ms

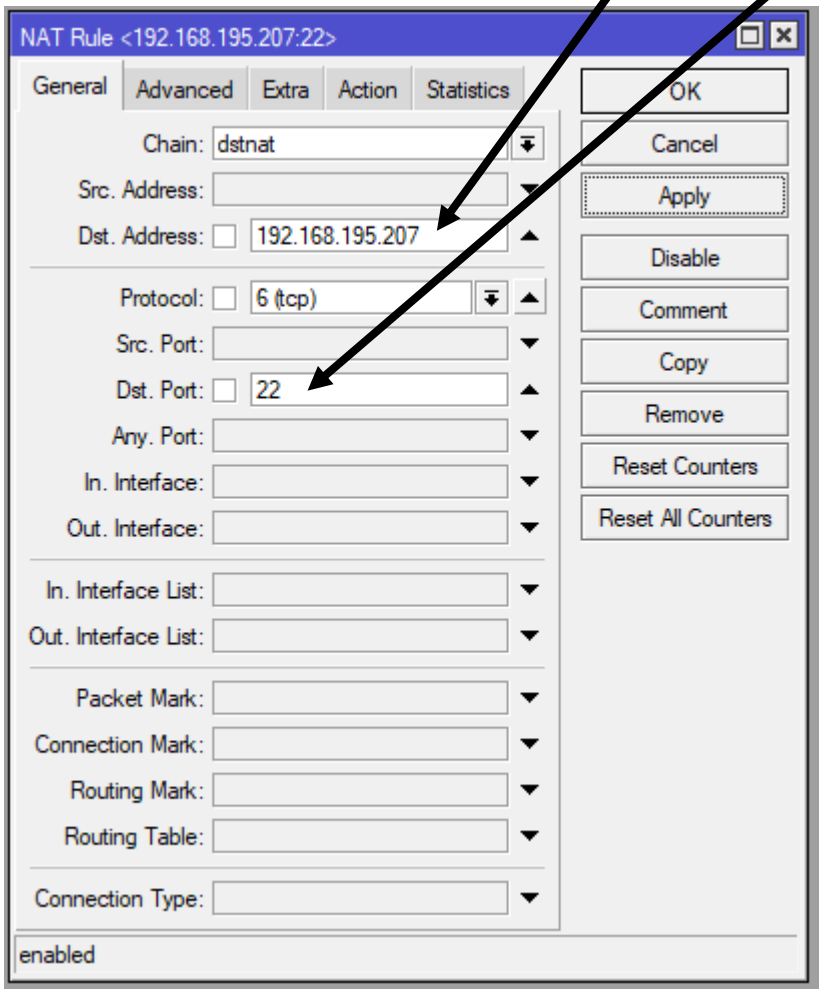
[kangarie@KangArie-hAPac^2] >
```

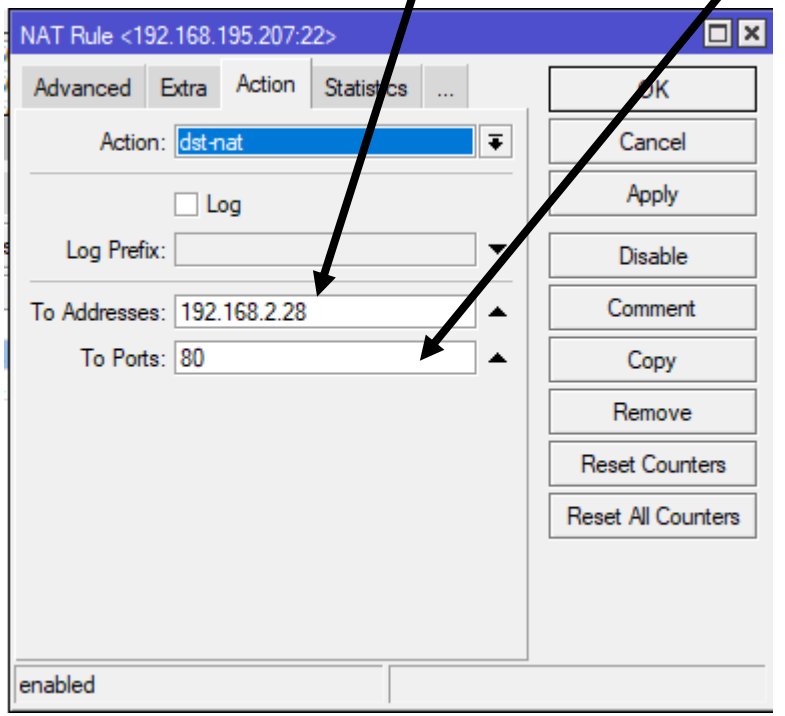
DST NAT

Port 22 yg dijadikan akses

IP LOCAL VPN 192.168.195.207

IP LOCAL AP
IP 192.168.2.28 | PORT 80

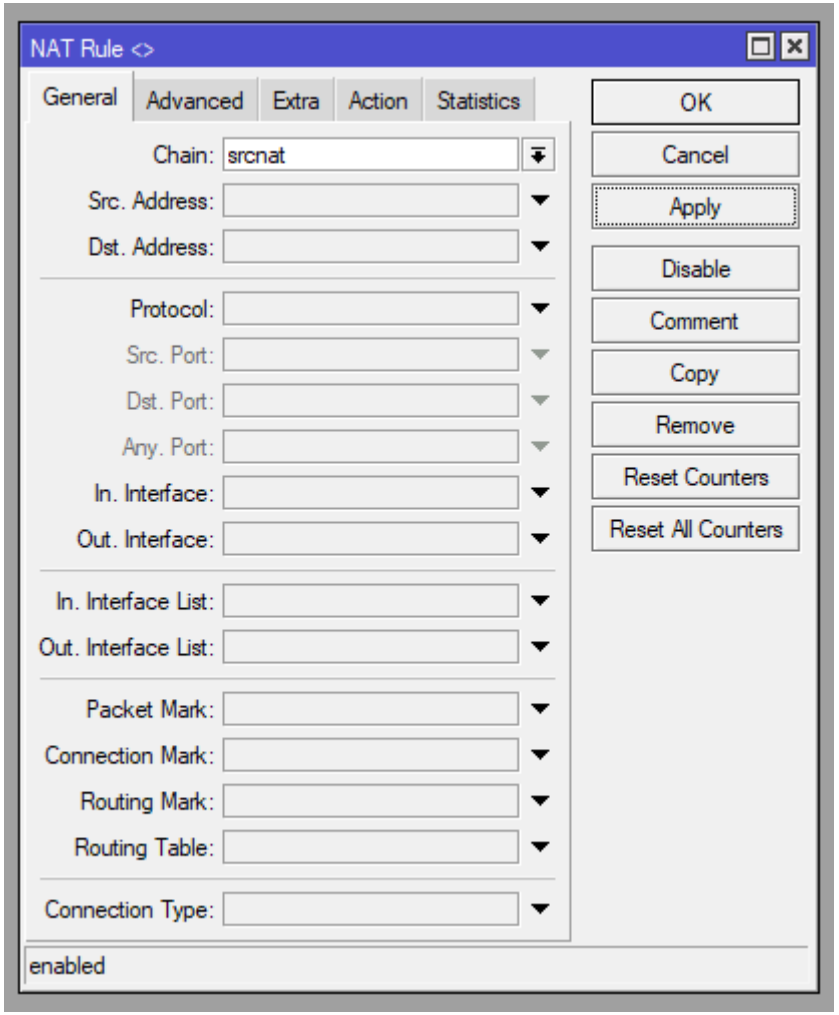


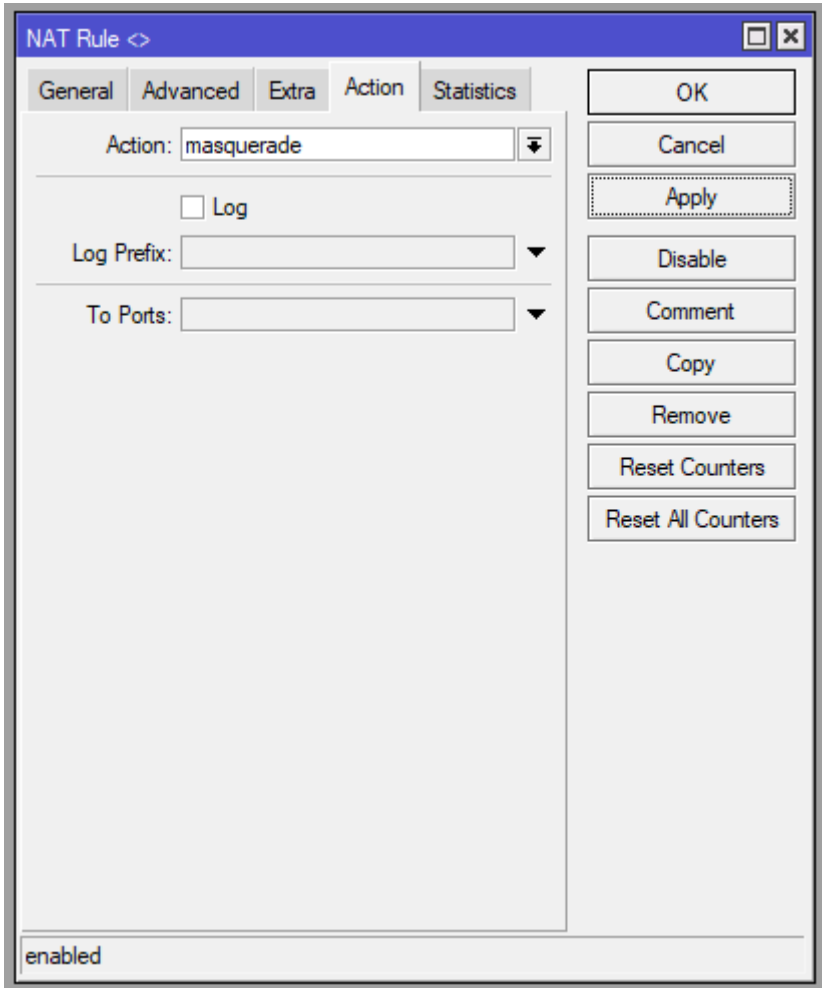


- Sesuaikan dengan IP VPN yg didapat di member area
- Sesuaikan dengan IP AP yang di tempat anda

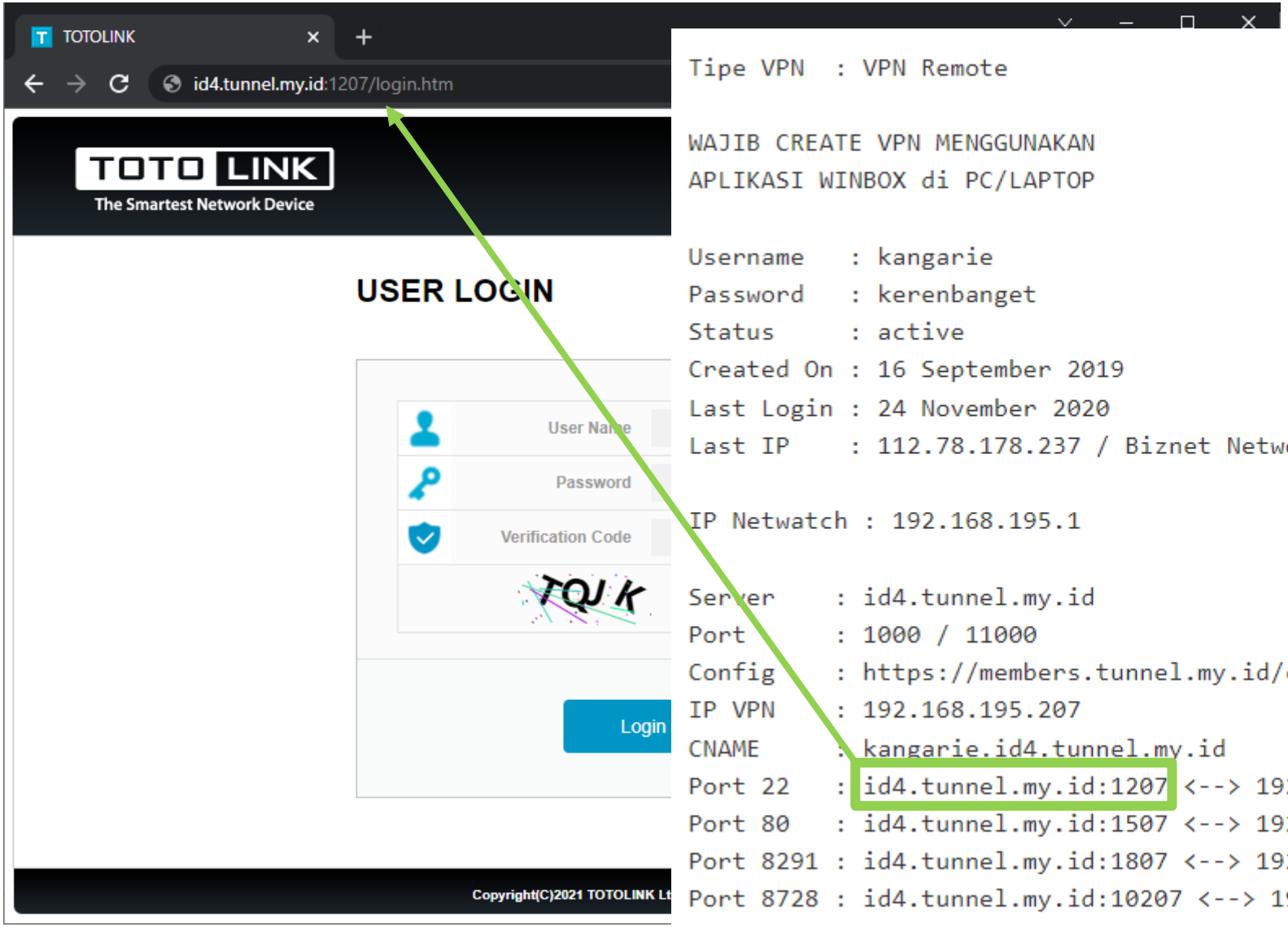
NAT GLOBAL

- Tempatkan rule ini paling atas
- Jangan mengisi kolom yang lain





CARA AKSES AP PAKAI VPN REMOTE




```
Tipe VPN  : VPN Remote

WAJIB CREATE VPN MENGGUNAKAN
APLIKASI WINBOX di PC/LAPTOP

Username   : kangarie
Password   : kerenbanget
Status     : active
Created On : 16 September 2019
Last Login : 24 November 2020
Last IP    : 112.78.178.237 / Biznet Networks

IP Netwatch : 192.168.195.1

Server     : id4.tunnel.my.id
Port       : 1000 / 11000
Config     : https://members.tunnel.my.id/config/id4-1000.conf
IP VPN     : 192.168.195.207
CNAME      : kangarie.id4.tunnel.my.id
Port 22    : id4.tunnel.my.id:1207 <--> 192.168.195.207:22
Port 80    : id4.tunnel.my.id:1507 <--> 192.168.195.207:80
Port 8291  : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
Port 8728  : id4.tunnel.my.id:10207 <--> 192.168.195.207:8728
```

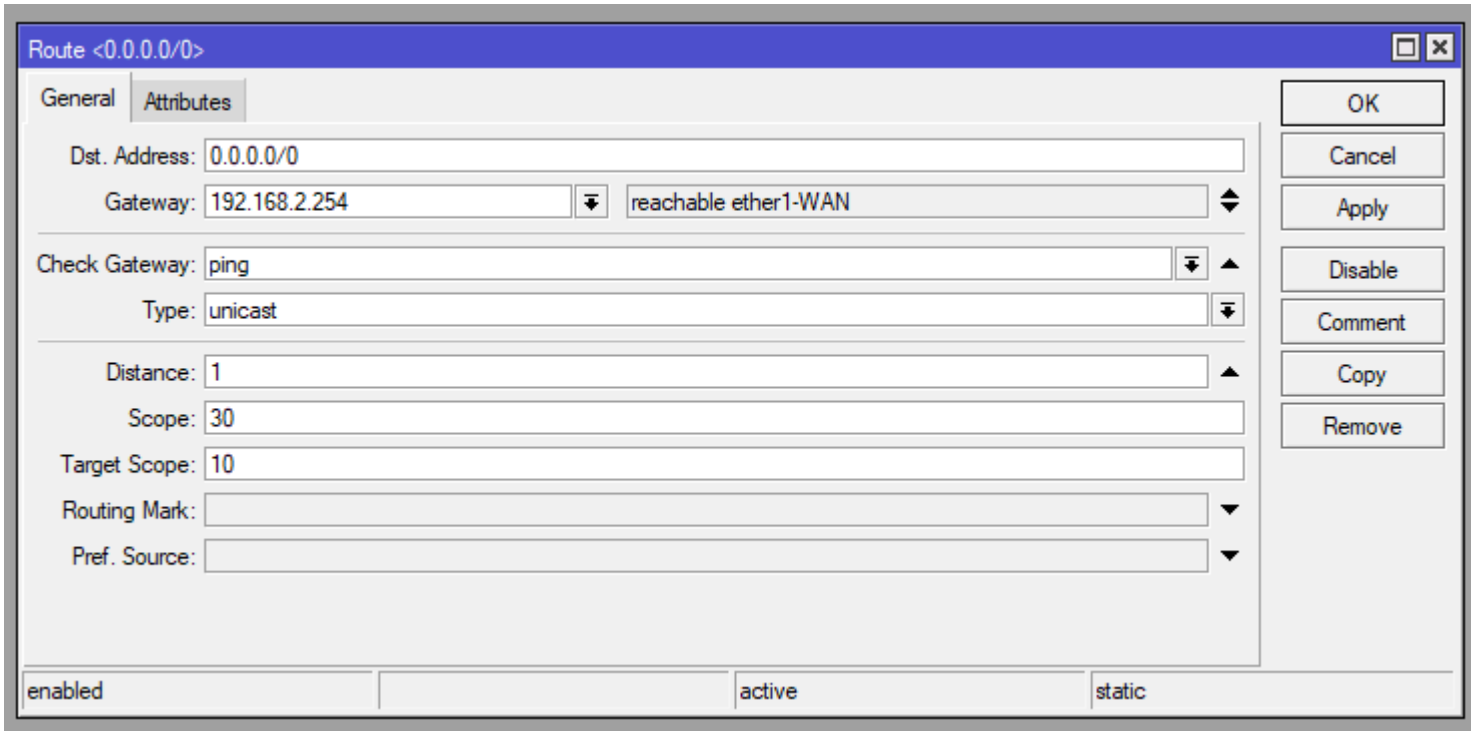
JENIS TARGET YG TIDAK BISA DI PORT FORWARD

- FTP Server
- ZTE f609 yang aktif jadi modem
- CCTV dgn protocol RTSP

TIPS & TRIK

Additional tutorial

ROUTE LOADBALANCE



* 192.168.2.254 (ini contoh, WAJIB disesuaikan dgn ip modem anda)
* default route jgn ke WMS / Seamless

Biasanya LB tidak ada default route,
jadi solusi nya tinggal dibuat default route

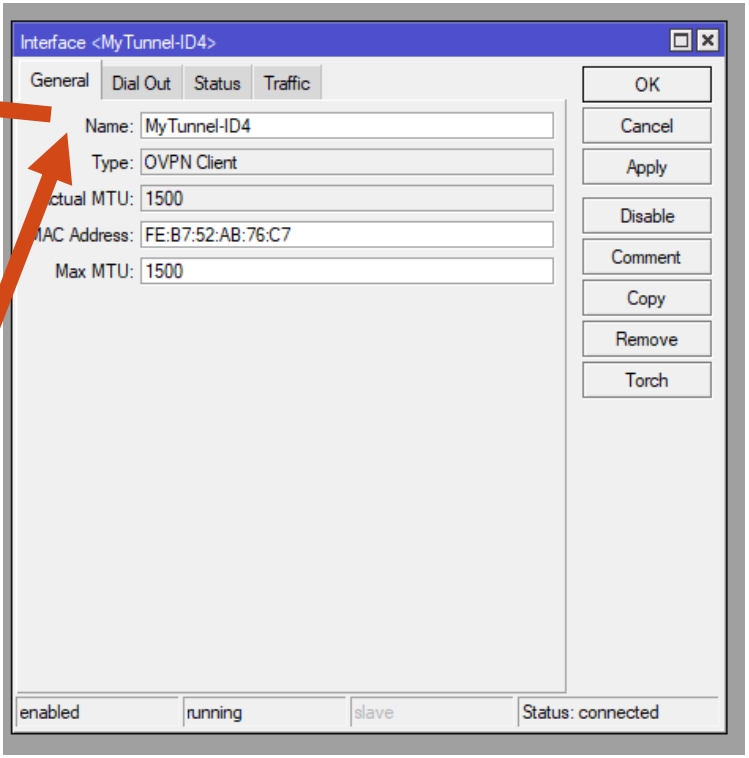
SCHEDULER DISABLE/ENABLE

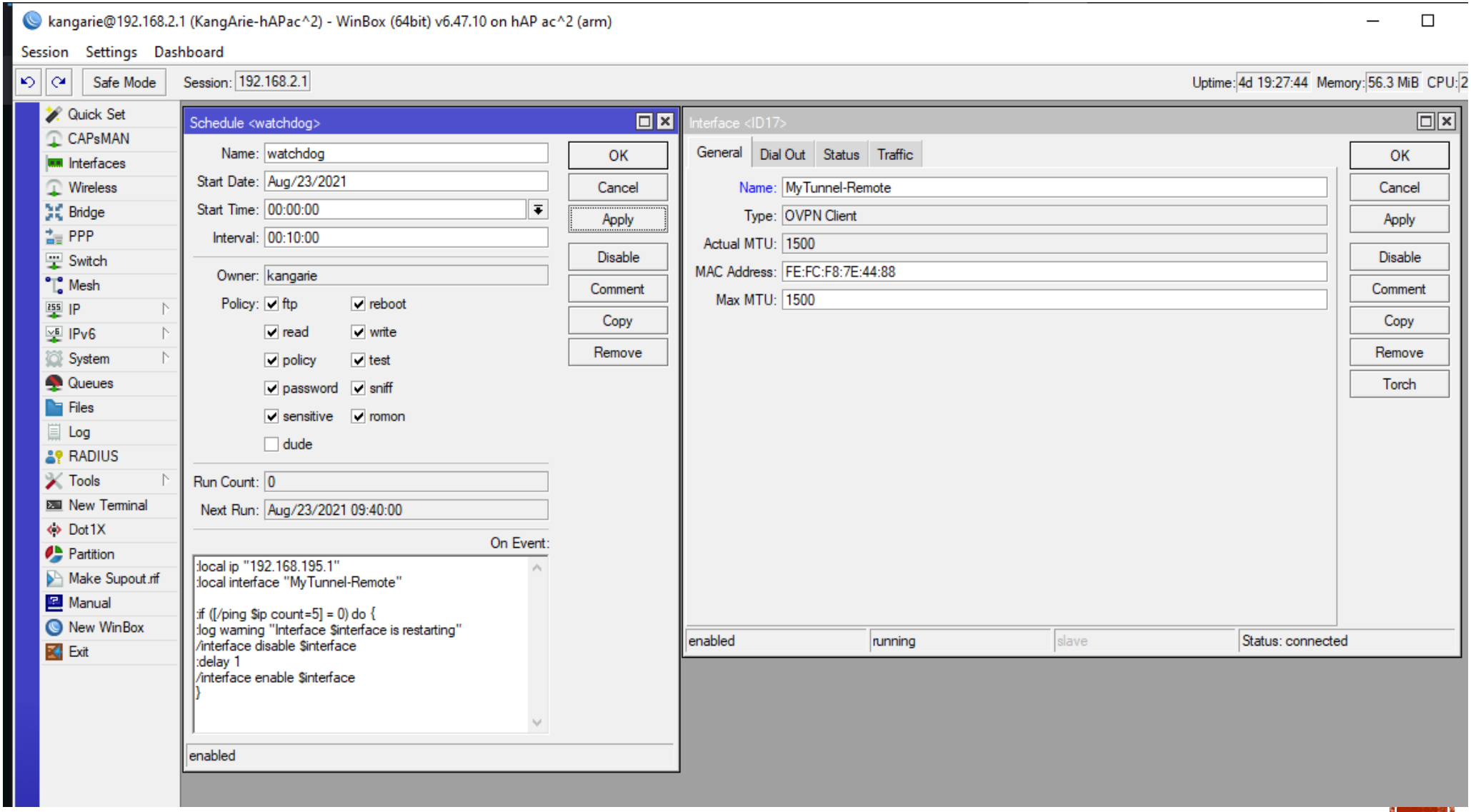
Skrip ini berguna jika sering kejadian router harus di-restart baru vpn bisa connected

Skrip bisa didownload di
https://tunnel.my.id/download/scheduler_ping.txt

```
:local ip "192.168.195.1"
:local interface "MyTunnel-ID4"

:if ([/ping $ip count=5] = 0) do {
:log warning "Interface $interface is restarting"
/interface disable $interface
:delay 1
/interface enable $interface
}
```



- Sesuaikan nama interface dgn nama ovpn anda
- Agar tidak membebani router anda, set scheduler 10 menit sekali

CONTOH IMPLEMENTASI SCHEDULER