QUICK GUIDE

https://tunnel.my.id



O PROSEDUR KEAMANAN

NO

SYSTEM

IS SAFE



TIPS WENGAMANKAN ROUTER

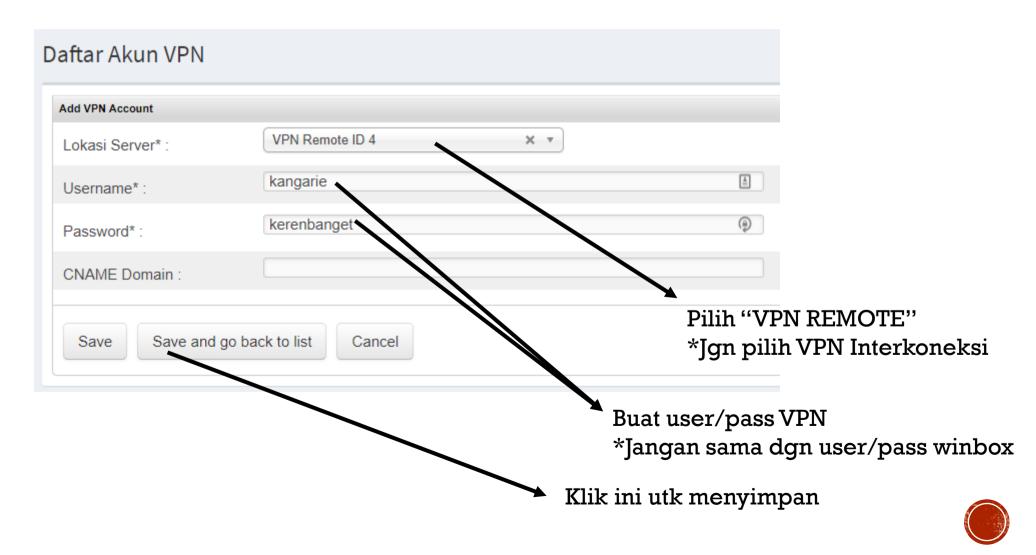
- Pastikan selalu menggunakan router os versi terbaru.
- 2. Cek https://mikrotik.com/download untuk lihat versi terbaru
- 3. Buat user baru di System User.
- 4. Gunakan user/pass yang rumit atau susah ditebak
- 5. Hapus user admin yang ada di System User
- 6. Jika pernah memberi user/pass Winbox anda kepada orang lain segera ganti



MEMBUAT VPN REMOTE

DAFTAR AKUN VPN

Member Area - Menu VPN - Add VPN Account



HASIL VPN REMOTE

```
Tipe VPN : VPN Remote
Username : kangarie
Password : kerenbanget
Status : active
Last Login :
Last IP
IP Netwatch : 192.168.195.1
         : id4.tunnel.my.id
Server
Port
       : 21 / 1000
Config : http://id4.tunnel.my.id/id4-1000.conf
       : 192.168.195.207
IP VPN
         : kangarie.id4.tunnel.my.id
CNAME
Port 22 : id4.tunnel.my.id:1207 <--> 192.168.195.207:22
       : id4.tunnel.my.id:1507 <--> 192.168.195.207:80
Port 80
Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291
```



O MEMASANG VPN REMOTE

WAJIB PAKAI WAJIB PAKAI



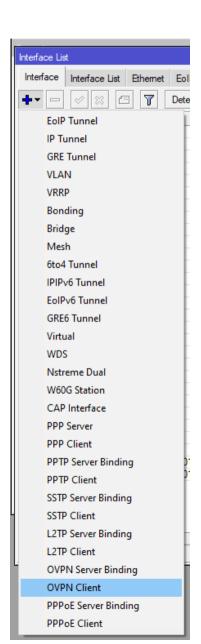
MEMBUAT OVPN-CLIENT TIDAK BOLEH PAKAI

APLIKASI MIKROTIK DI ANDROID



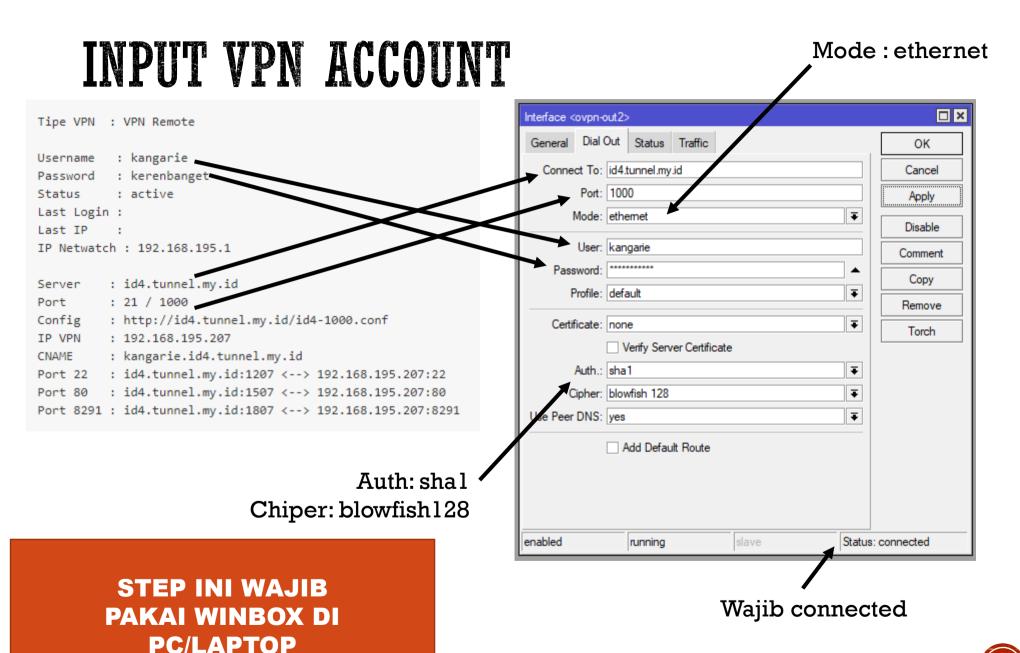
ADD OVPN CLIENT

STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP



New Interface	□×
General Dial Out Status Traffic	ОК
Connect To: 0.0.0.0	Cancel
Port: 1194	Apply
Mode: ip	■ Disable
User:	Comment
Password:	Copy
Profile: default	Remove
Certificate: none	₹
☐ Verify Server Certificate	
Auth.: sha1 Cipher: blowfish 128	
Use Peer DNS: yes	<u>~</u>
Add Default Route	
enabled running sla	ve Status:







MEMBUAT OVPN-CLIENT TIDAK BOLEH PAKAI

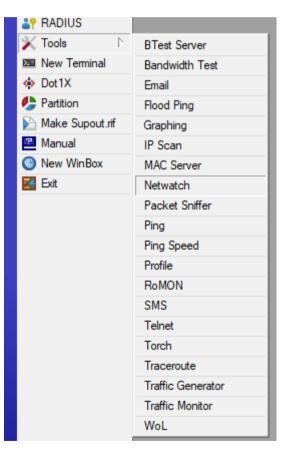
APLIKASI MIKROTIK DI ANDROID

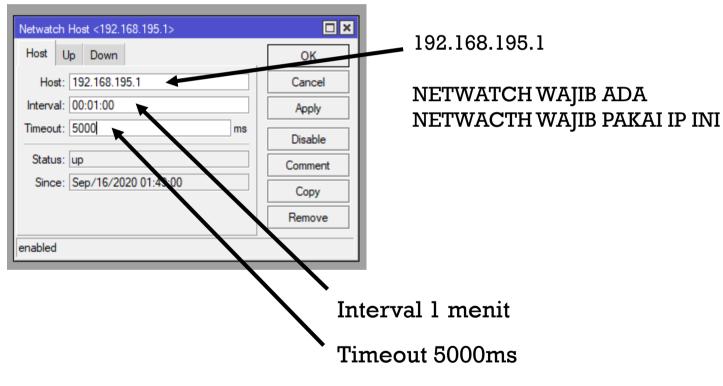


STEP INI WAJIB PAKAI WINBOX DI PC/LAPTOP

IP NETWATCH VPN REMOTE

NETWATCH







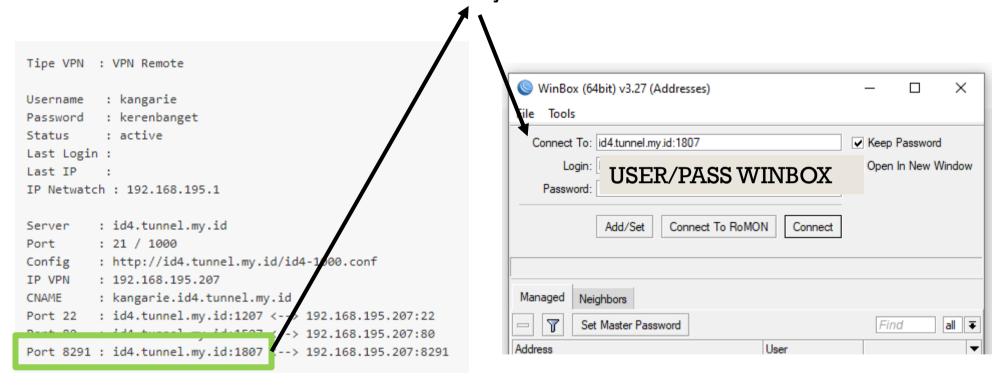
192.168.195.1





AKSES WINBOX

id4.tunnel.my.id:1807





AKSES VIA MIKROTIK ANDROID/10S

id4.tunnel.my.id:1807

Tipe VPN : VPN Remote : kangarie Username : kerenbanget Password Status : active Last Login : Last IP IP Netwatch : 192.168.195.1 : id4.tunnel.my.id Server Port : 21 / 1000 : http://id4.tunnel.my.id/id4-1 Config : 192.168.195.207 IP VPN : kangarie.id4.tunnel.my.id CNAME : id4.tunnel.my.id:1207 <-192.168.195.207:22 Port 22 > 192.168.195.207:80 Port 8291 : id4.tunnel.my.id:1807 --> 192.168.195.207:8291



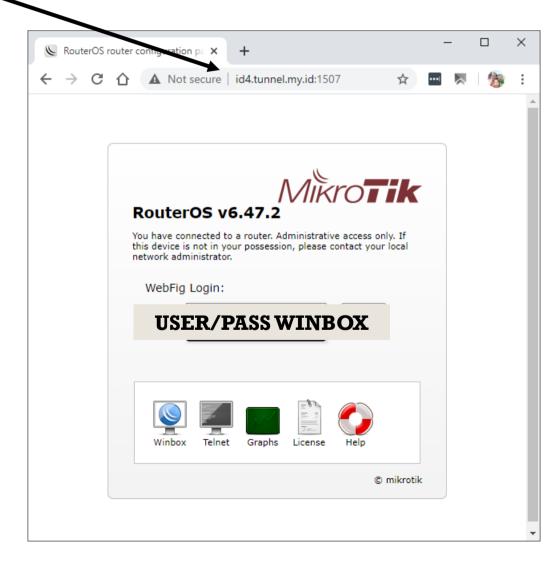


O REMOTE DENGAN WEBFIG

AKSES VIA WEBFIG

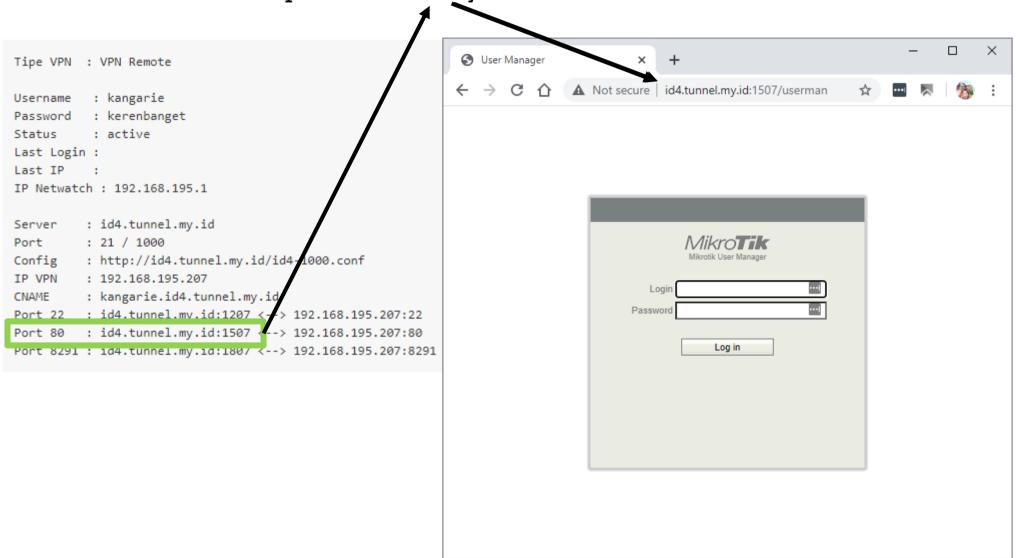
id4.tunnel.my.id:1507

Tipe VPN : VPN Remote : kangarie Username : kerenbanget Password Status : active Last Login : Last IP IP Netwatch : 192.168.195.1 Server : id4.tunnel.my.id Port : 21 / 1000 : http://id4.tunnel.my.id/id4-1000.conf Config : 192.168.195.207 IP VPN : kangarie.id4.tunnel.my.i CNAME Port 22 : id4.tunnel.mv.id:1207 < -> 192.168.195.207:22 : id4.tunnel.my.id:1507 Port 80 --> 192.168.195.207:80 Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291



AKSES USERMAN

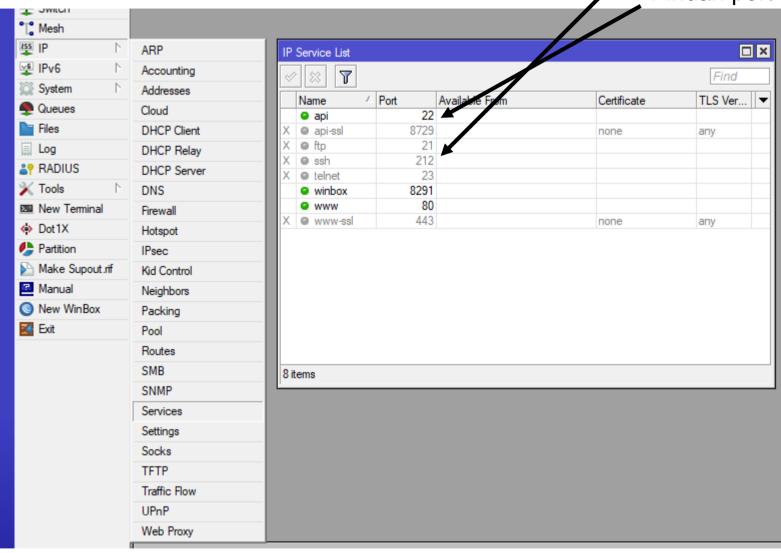
http://id4.tunnel.my.id:1507/userman



MIKHWON ONLINE

SETTING PORT API

Pindah port ssh ke 212 dan disable Pindah port api ke port 22



YANG MAU MIKHMON / MIKRO WINBOX STEP WAJIB JANGAN DI SKIP



AKSES MIKHMON

id4.tunnel.my.id:1207

Tipe VPN : VPN Remote

Username : kangarie Password : kerenbanget

Status : active

Last Login : Last IP :

IP Netwatch : 192.168.195.1

Server : id4.tunnel.my.id

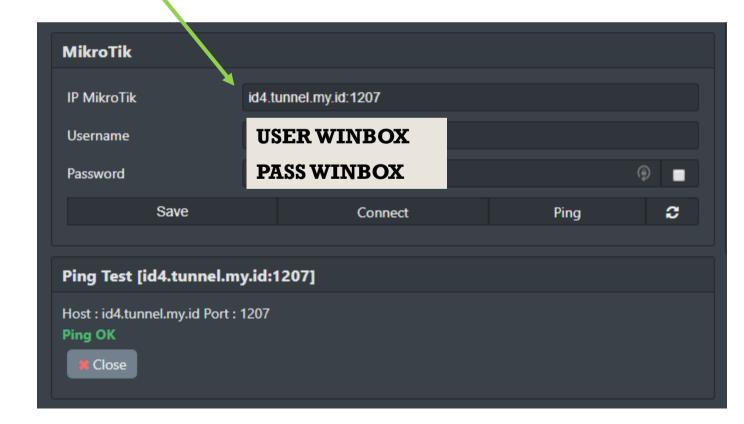
Port : 21 / 1000

Config : http://id4.tunnel.my.id/id4-1000.conf

IP VPN : 192.168.195.207

CNAME : kangarie.id4.tunnel.mv.id

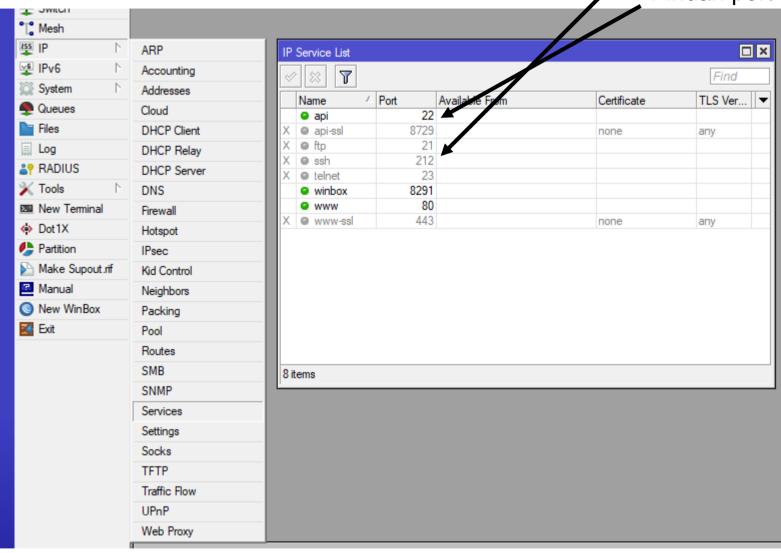
Port 22 : id4.tunnel.my.id:1207 --> 192.168.195.207:22
Port 80 : id4.tunnel.my.id:1507 <--> 192.168.195.207:80
Port 8291 : id4.tunnel.my.id:1807 <--> 192.168.195.207:8291



MIKRO WINBOX PRO

SETTING PORT API

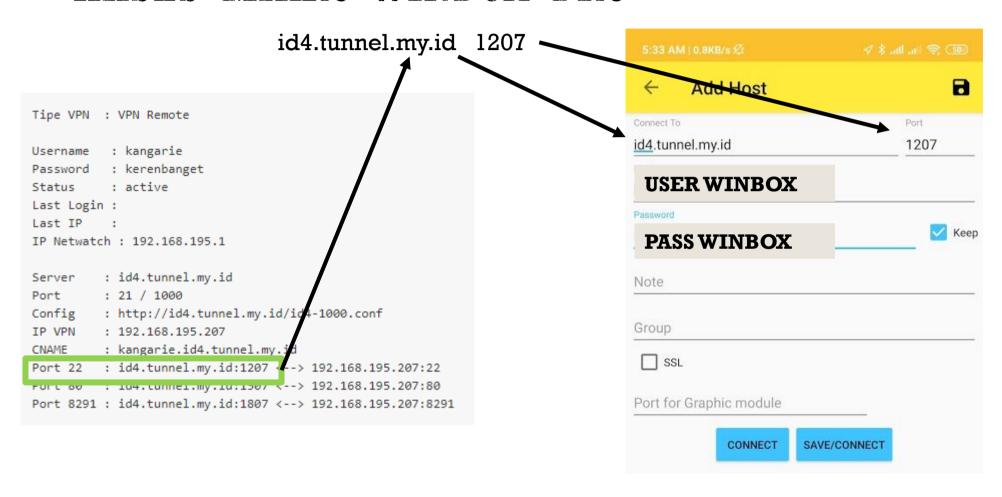
Pindah port ssh ke 212 dan disable Pindah port api ke port 22



YANG MAU MIKHMON / MIKRO WINBOX STEP WAJIB JANGAN DI SKIP



AKSES MIKRO WINBOX PRO





OPORT FORWARD

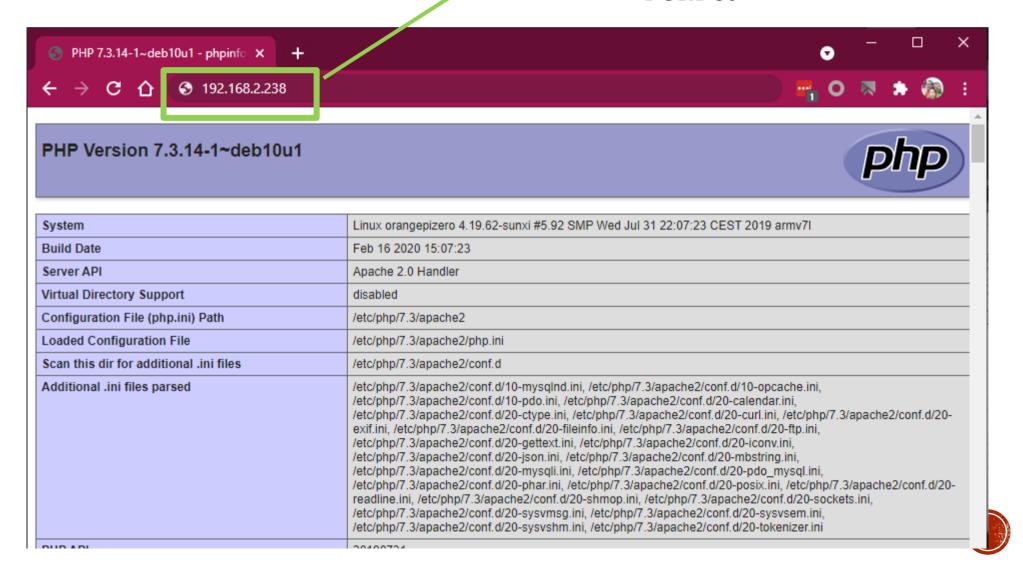
Note

- 1. Untuk remote webserver, akses point, dkk
- 2. Karena mengorbankan port 22, maka tutorial API sebelumnya tidak dapat digunakan

TARGET WEBSERVER

http://192.168.2.238/

TARGET
IP 192.168.2.238
PORT 80



IP LOCAL VPN

```
Tipe VPN : VPN Remote
        : kangarie
Username
Password : kerenbanget
Status
        : active
Last Login :
Last IP
IP Netwatch : 192.168.195.1
         : id4.tunnel.my.id
Server
Port
         : 21 / 1000
         : http://id4_tunnel.my.id/i
Config
IP VPN
          : 192.168.195.207
         : kangarie.id4.tunnel.my.id
CNAME
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
```

► IP LOCAL VPN 192.168.195.207



PRASARAT

Bisa diping dan difetch dari mikrotik

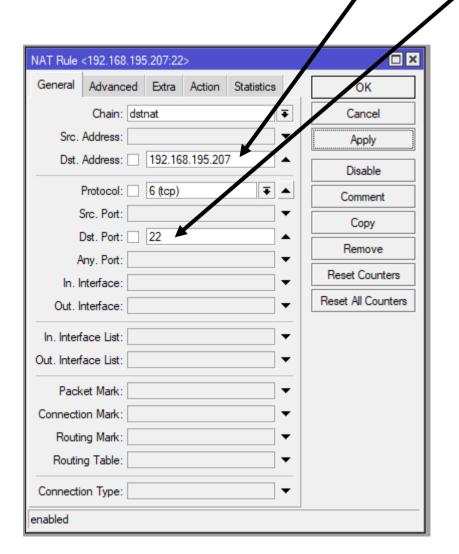
```
[kangarie@KangArie-hAPac^2] > ping 192.168.2.238
  SEO HOST
                                              SIZE TTL TIME STATUS
    0 192.168.2.238
                                                56 64 0ms
   1 192.168.2.238
                                                56 64 0ms
    2 192.168.2.238
                                                56 64 0ms
    3 192.168.2.238
                                                56 64 0ms
   4 192.168.2.238
                                                56 64 0ms
    5 192.168.2.238
                                                56 64 0ms
   sent=6 received=6 packet-loss=0% min-rtt=0ms avg-rtt=0ms max-rtt=0ms
[kangarie@KangArie-hAPac^2] > /tool fetch url=http://192.168.2.238 output=none
     status: finished
 downloaded: 7KiBC-z pause]
      total: 7KiB
   duration: 1s
[kangarie@KangArie-hAPac^2] >
```



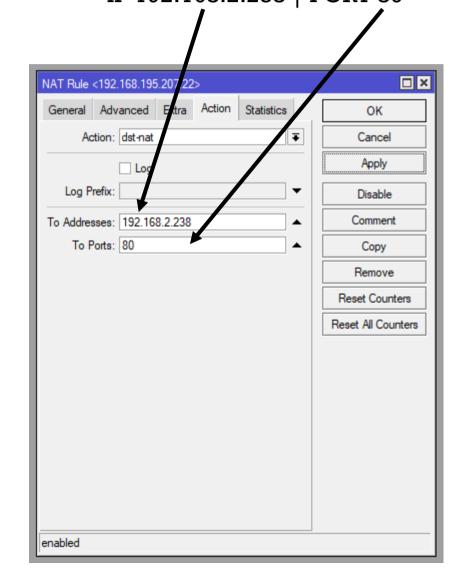
Port 22 yg dijadikan akses Kalau sdh dipakai API, pakai yg port 80

DST NAT

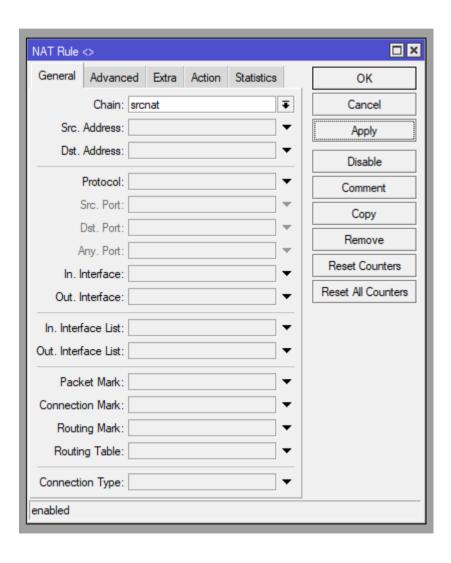
IP LOCAL 192.168.195.207

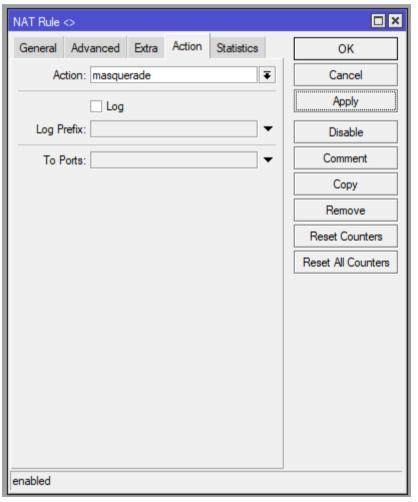


TARGET WEBSERVER
IP 192.168.2.238 | PORT 80



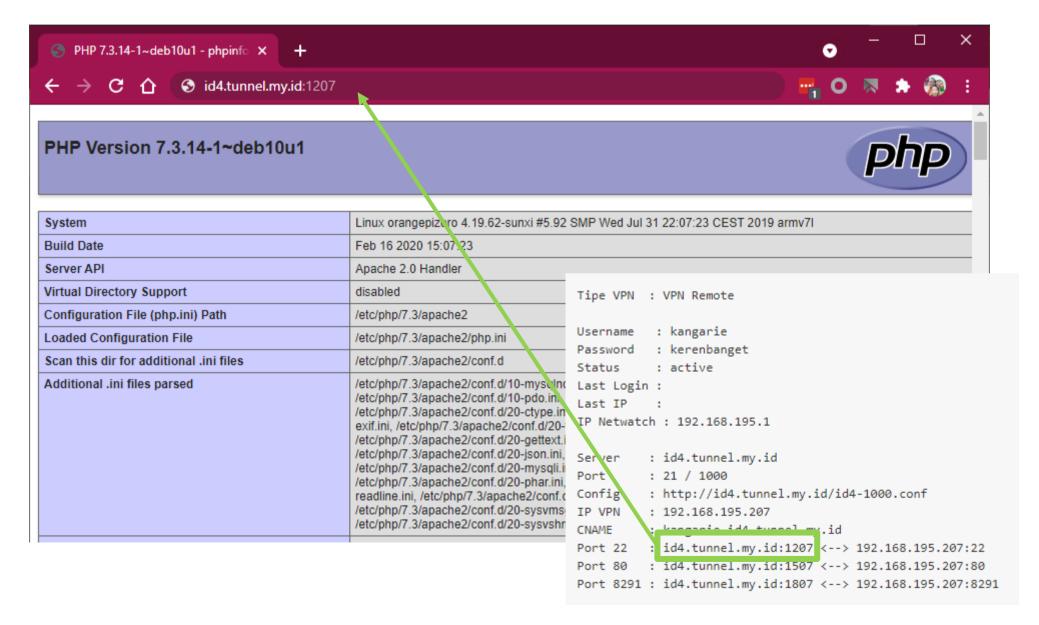
NAT GLOBAL







CARA AKSES WEBSERVER



JENIS TARGET YG BISA DI PORT FORWARD

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



JENIS TARGET YG TIDAK BISA DI PORT FORWARD

- FTP Server
- ZTE f609 yang aktif jadi modem





Additional tutorial

ROUTE LOADBALANCE

/ip route add check-gateway=ping distance=1 dst-address=103.65.237.158/32 gateway=192.168.1.1

Sesuaikan IP berikut dengan IP Server dan IP Modem

- 103.65.237.158 (ini contoh IP server idll.tunnel.my.id)
- 192.168.1.1 (ini contoh IP default modem indihome)

IP SERVER ada di Member Area menu Beranda

192.168.195.1 BUKAN IP SERVER

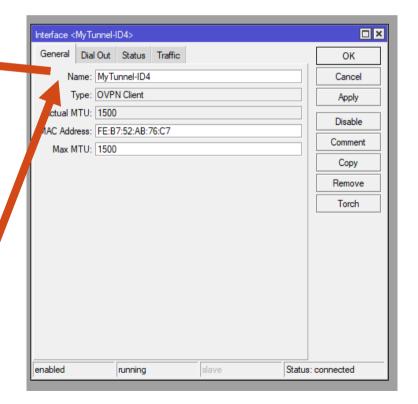


SCHEDULER DISABLE/ENABLE

https://pastebin.com/D6qKmK2B

```
: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 l
/interface enable $interface
}
```



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

