

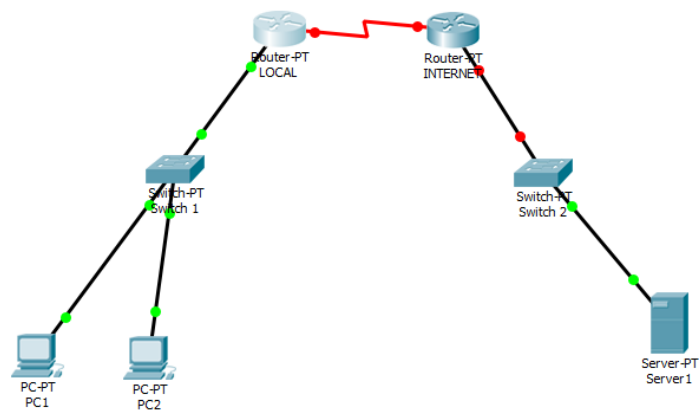
NAMA : NOVI TRISTANTI

NIM : L200170167

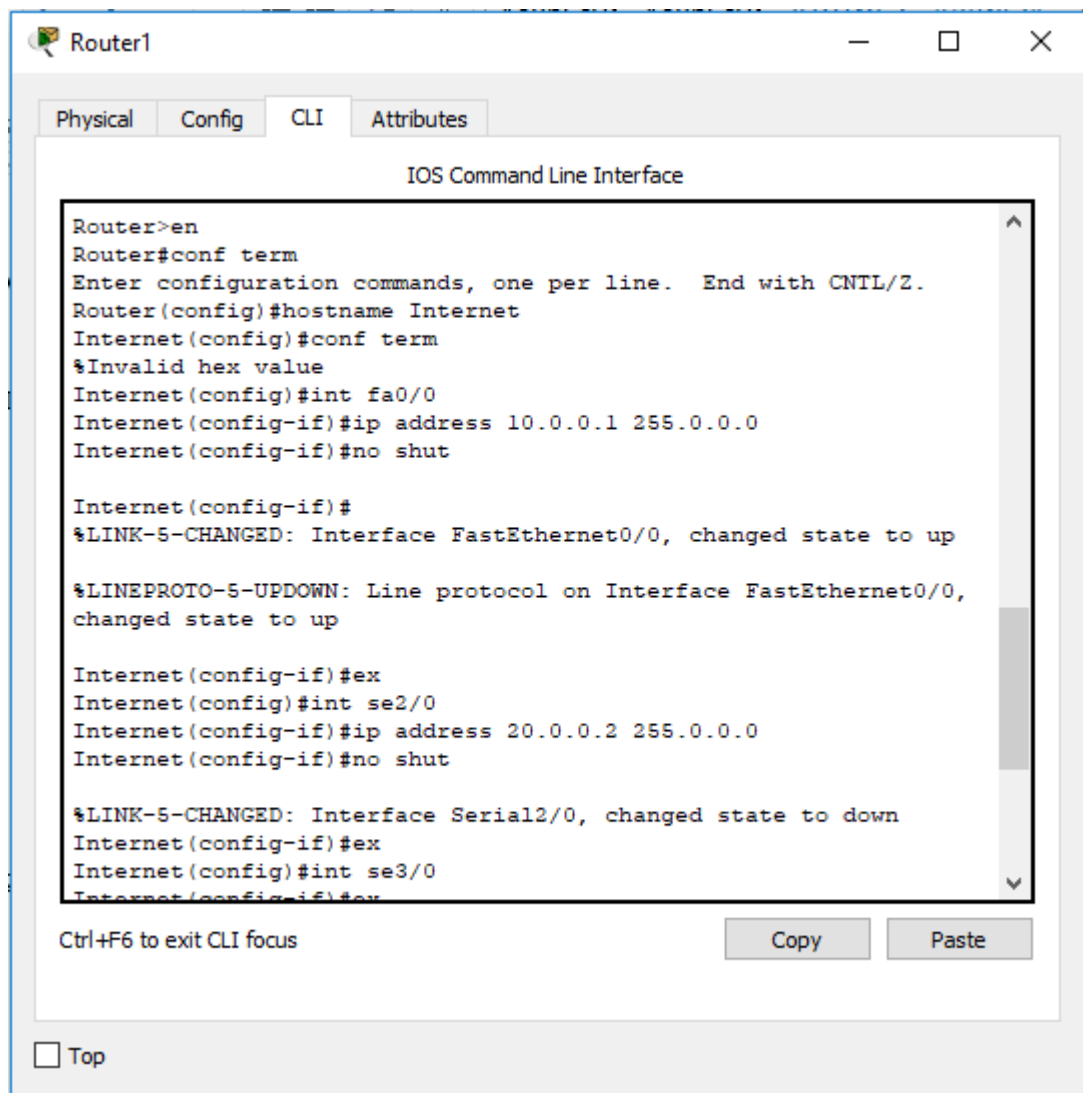
KELAS : D

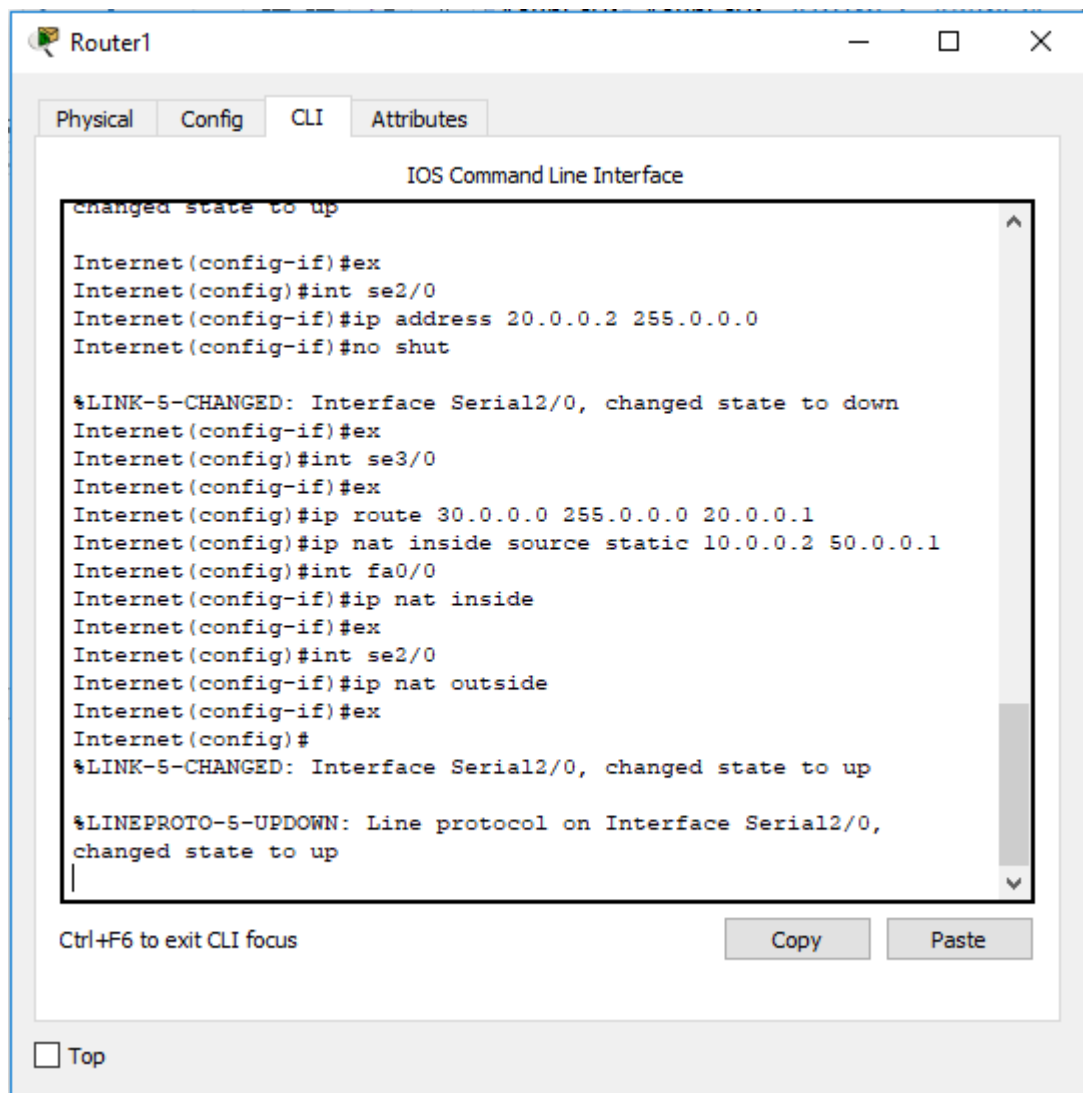
MODUL 9

1.

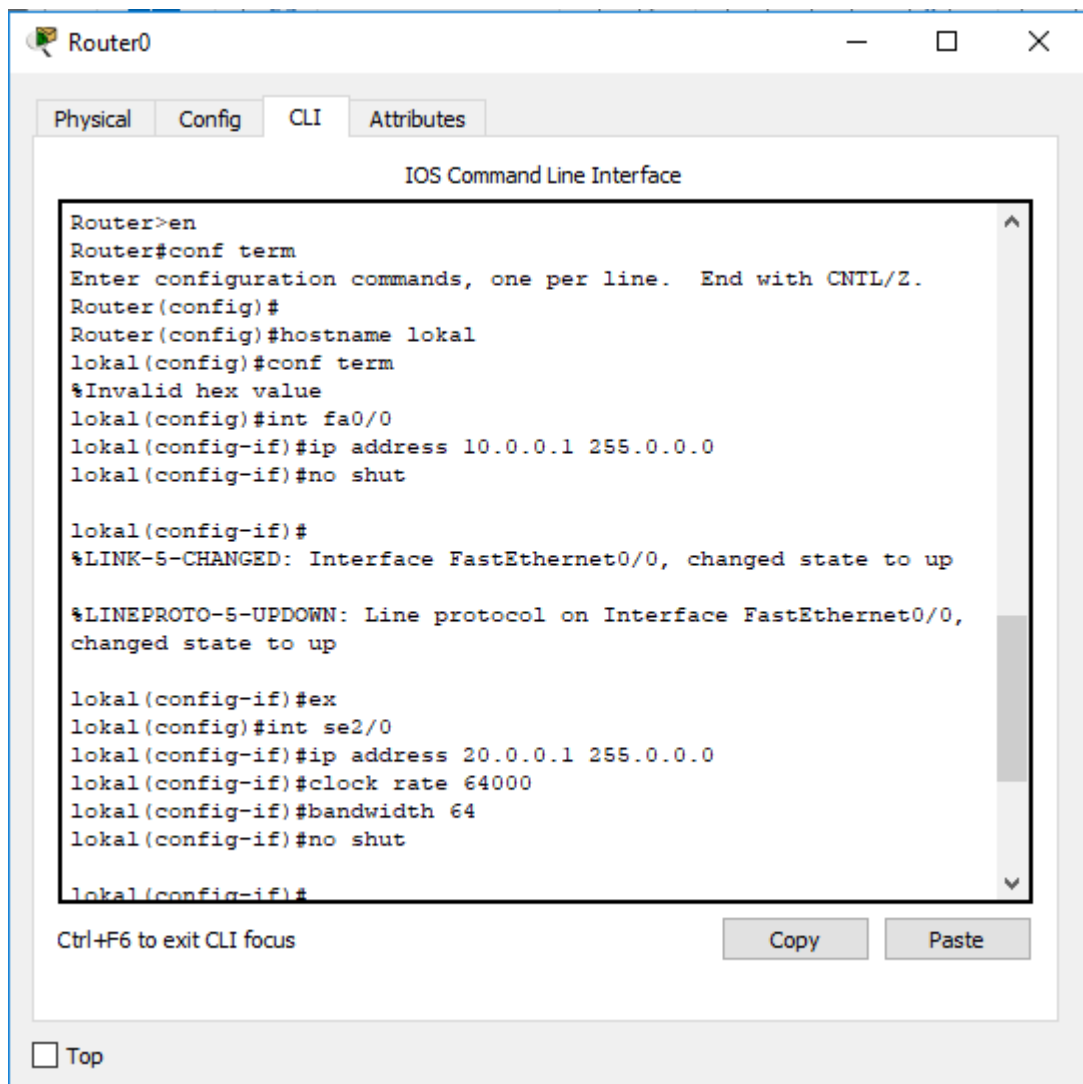


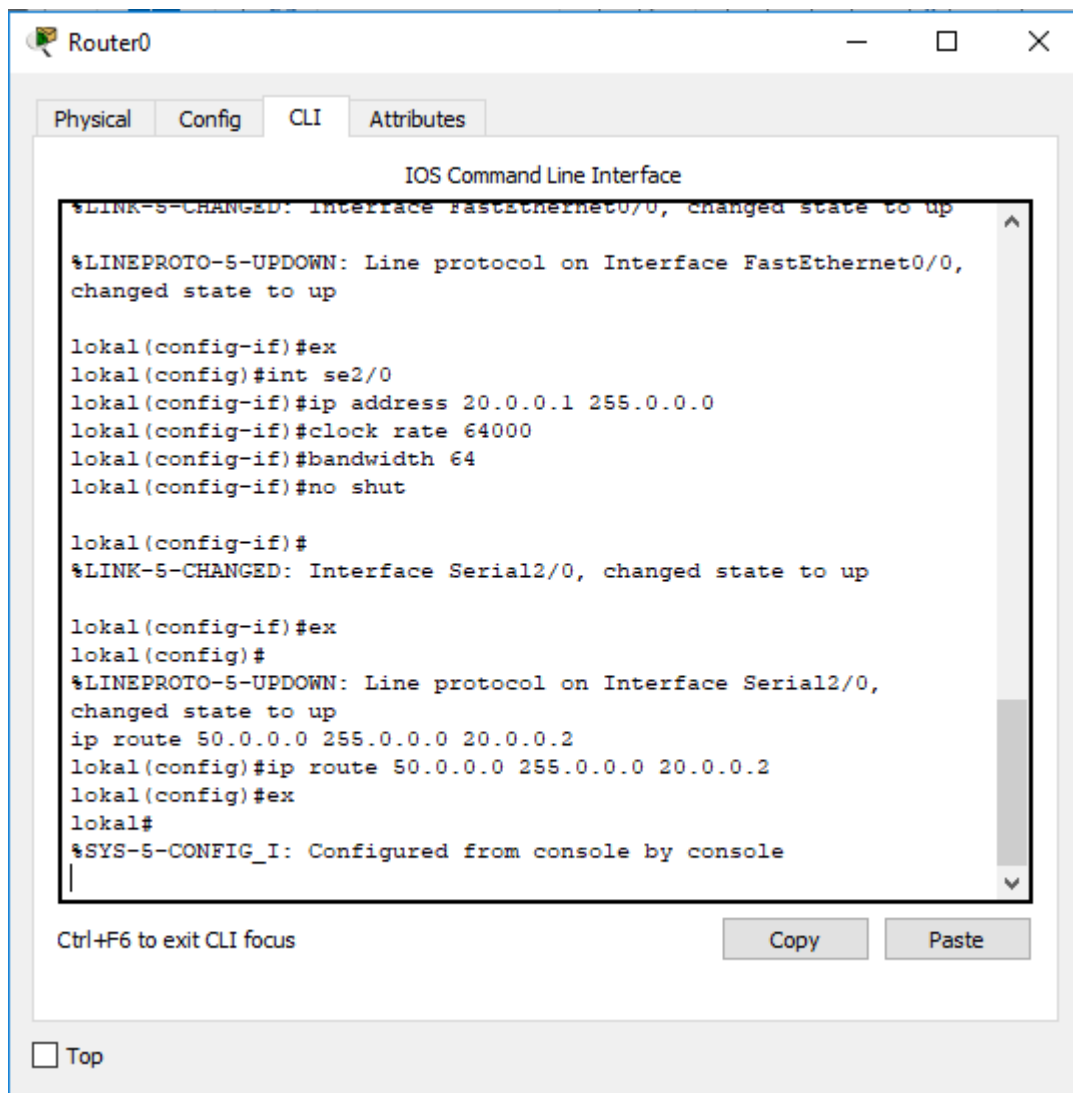
2. Konfigurasi router internet





3. Konfigurasi router lokal





4. Beri IP pada PC dan server

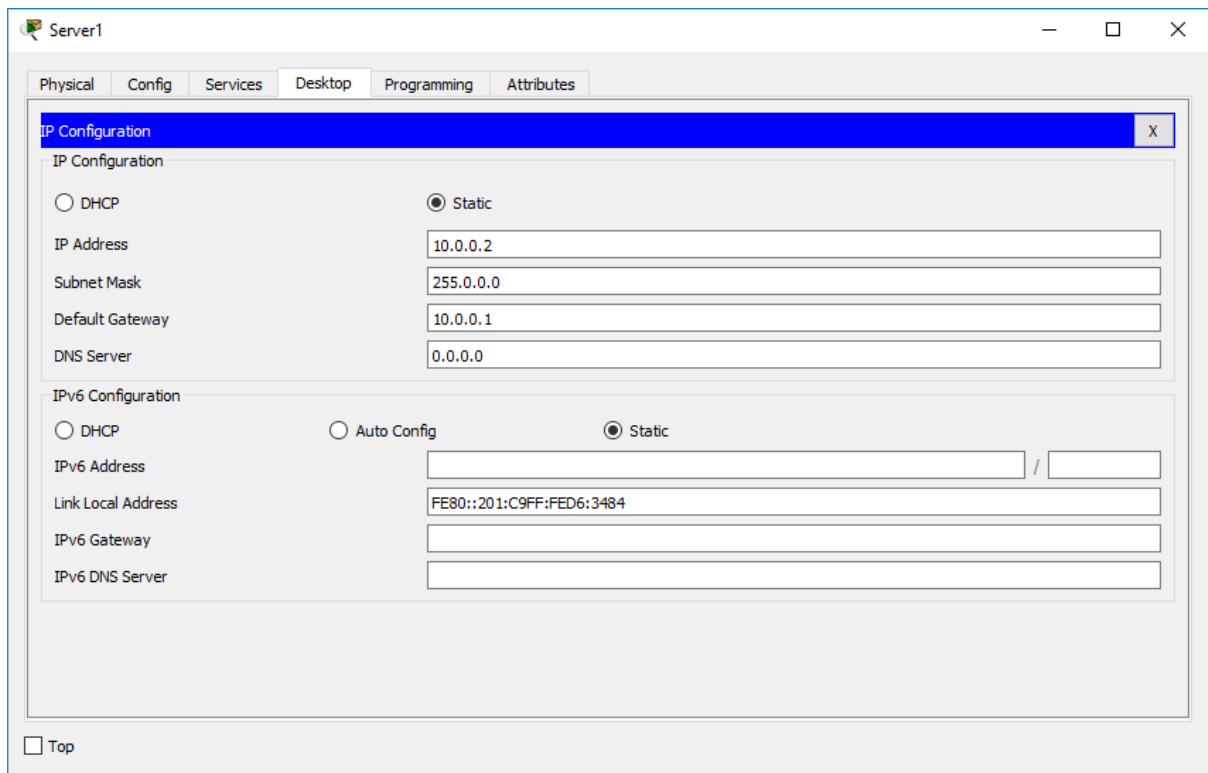
The image displays two screenshots of a network configuration interface, likely from a Packet Tracer simulation. Both windows are titled 'PC1' and 'PC2' respectively, and show the 'Config' tab with the 'IP Configuration' section selected. Each window has a 'Top' button at the bottom left.

PC1 Configuration:

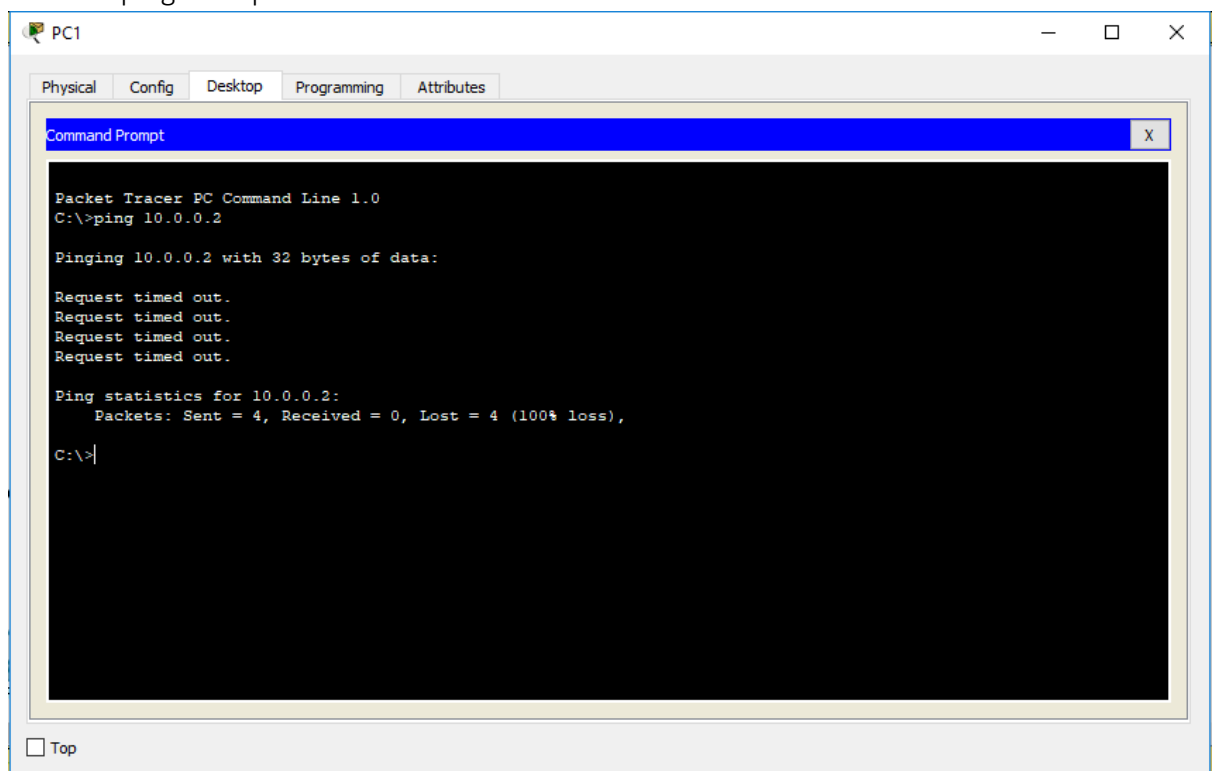
- IP Configuration:**
 - ☐ DHCP
 - ☒ Static
 - IP Address: 30.0.0.2
 - Subnet Mask: 255.0.0.0
 - Default Gateway: 0.0.0.0
 - DNS Server: 0.0.0.0
- IPv6 Configuration:**
 - ☐ DHCP
 - ☐ Auto Config
 - ☒ Static
 - IPv6 Address: (empty)
 - Link Local Address: FE80::2E0:80FF:FEA0:13D0
 - IPv6 Gateway: (empty)
 - IPv6 DNS Server: (empty)

PC2 Configuration:

- IP Configuration:**
 - ☐ DHCP
 - ☒ Static
 - IP Address: 30.0.0.3
 - Subnet Mask: 255.0.0.0
 - Default Gateway: 0.0.0.0
 - DNS Server: 0.0.0.0
- IPv6 Configuration:**
 - ☐ DHCP
 - ☐ Auto Config
 - ☒ Static
 - IPv6 Address: (empty)
 - Link Local Address: FE80::20B:BEFF:FEE8:5907
 - IPv6 Gateway: (empty)
 - IPv6 DNS Server: (empty)



5. Lakukan ping ke IP private server



6. Lakukan ping ke ip publik server

```
C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

TUGAS

1. Tarik kesimpulan dari konfigurasi NAT tersebut, bandingkan dengan mekanisme routing statis tanpa menggunakan NAT

JAWAB : **NAT (Network Address Translation)** adalah sebuah proses pemetaan alamat IP dimana perangkat jaringan komputer akan memberikan alamat IP public ke perangkat jaringan local sehingga banyak IP private yang dapat mengakses IP public.

Dengan kata lain NAT akan mentranslasikan alamat IP sehingga IP address pada jaringan local dapat mengakses IP public pada jaringan WAN. NAT mentranslasikan alamat IP private untuk dapat mengakses alamat host diinternet dengan menggunakan alamat IP public pada jaringan tersebut. Tanpa hal tersebut(NAT) tidaka mungkin IP private pada jaringan local bisa mengakses internet.