

Konfigurasi IP Address

```

hilmi#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
hilmi(config)# interface fa0/0
hilmi(config-if)# ip address 192.168.122.2 255.255.255.0
hilmi(config-if)# no shutdown
hilmi(config-if)# exit
hilmi(config)# interface fa0/1
hilmi(config-if)# ip address 192.168.133.1 255.255.255.0
hilmi(config-if)# no shutdown
hilmi(config-if)# exit
hilmi(config)#

```

Cek IP Address

```

hilmi# show ip interface brief

```

Interface	IP-Address	OK?	Method	Status	Protocol
FastEthernet0/0	192.168.122.2	YES	manual	up	up
FastEthernet0/1	192.168.133.1	YES	manual	up	up

```

hilmi#

```

Konfigurasi Default Gateway (Route)

```

hilmi(config)#ip route 0.0.0.0 0.0.0.0 192.168.122.1

```

Cek Gateway

```

hilmi(config)# do sh ip route
Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       o - ODR, P - periodic downloaded static route

```

Gateway of last resort is 192.168.122.1 to network 0.0.0.0

```

C 192.168.122.0/24 is directly connected, FastEthernet0/0
C 192.168.133.0/24 is directly connected, FastEthernet0/1
S* 0.0.0.0/0 [1/0] via 192.168.122.1
hilmi(config)#

```

Konfigurasi DNS Server

```
hilmi(config)#ip domain lookup
hilmi(config)#ip name-server 8.8.8.8
hilmi(config)#ip name-server 8.8.4.4
```

Konfigurasi NAT (Network Address Translation)

```
hilmi(config)# access-list 1 permit 192.168.133.0 0.0.0.255
hilmi(config)# ip nat inside source list 1 interface fa0/0 overload
hilmi(config)# interface fa0/0
hilmi(config-if)# ip nat outside
hilmi(config-if)# exit
hilmi(config)# interface fa0/1
hilmi(config-if)# ip nat inside
hilmi(config-if)# exit
hilmi(config)#
```

Setting DHCP Server

```
hilmi(config)# ip dhcp excluded-address 192.168.133.10 192.168.10.254
hilmi(config)# ip dhcp pool LAN-POOL-1
hilmi(dhcp-config)# network 192.168.133.0 255.255.255.0
hilmi(dhcp-config)# default-router 192.168.133.1
hilmi(dhcp-config)# dns-server 192.168.133.1
hilmi(dhcp-config)# exit
hilmi(config)#exit
hilmi# write
```