NAMA: DEWI RAHMAWATI

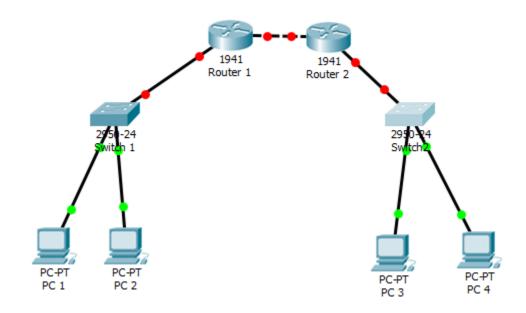
NIM: L200170188

KELAS: D

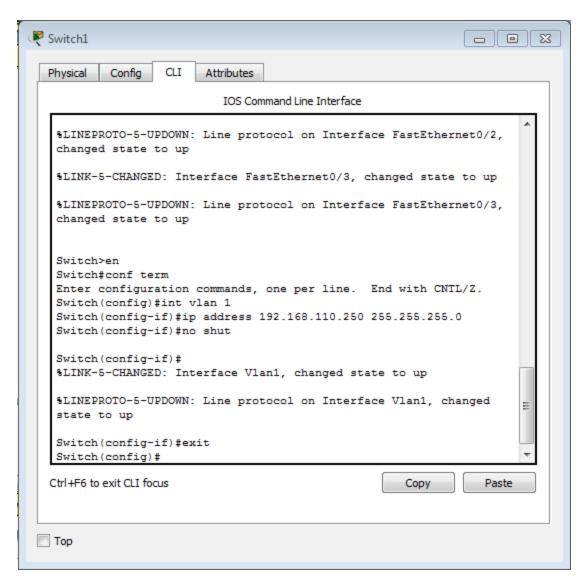
JARINGAN KOMPUTER

Modul 8

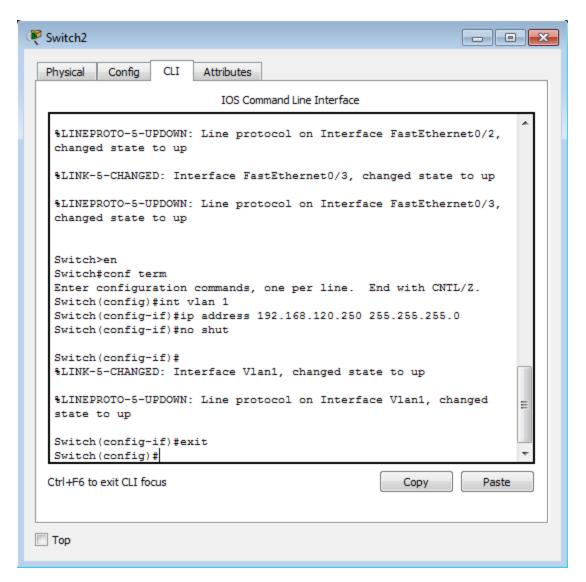
Kegiatan 1.



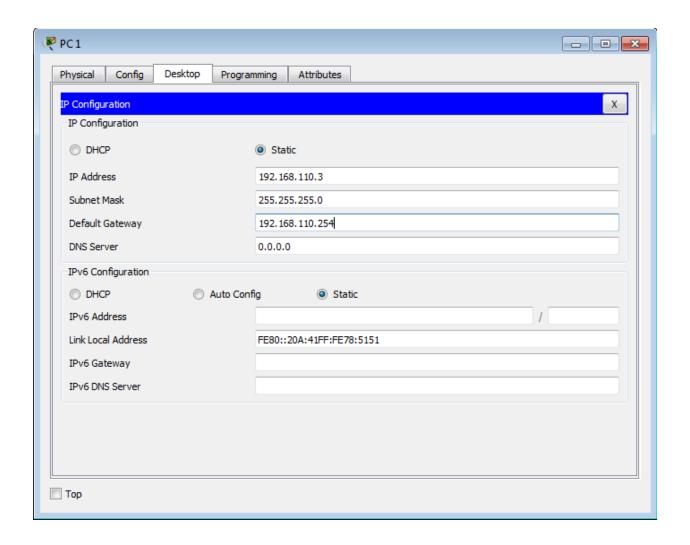
- 3. Memberikan alamat IP pada masing-masing switch.
- a. Switch 1.

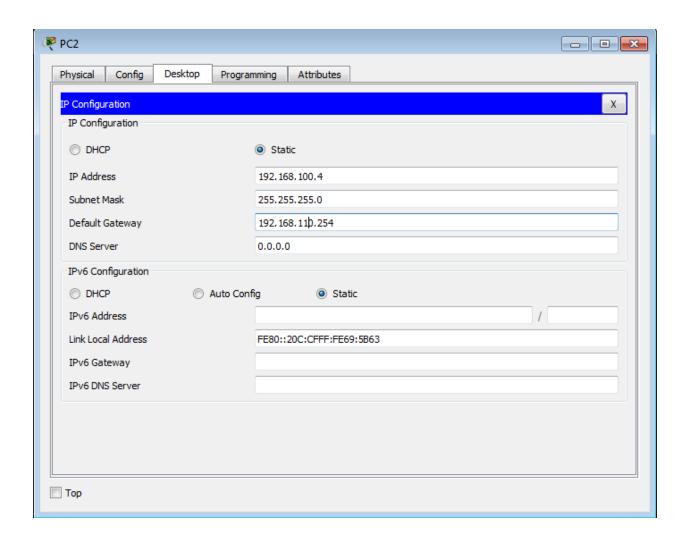


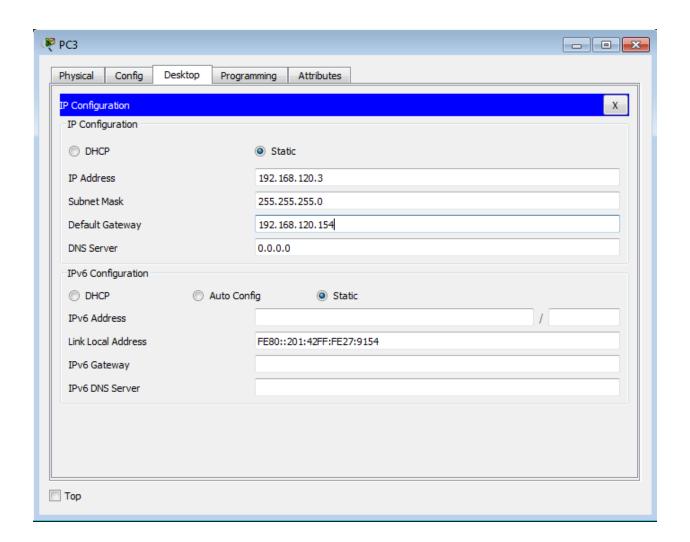
b. Switch 2.

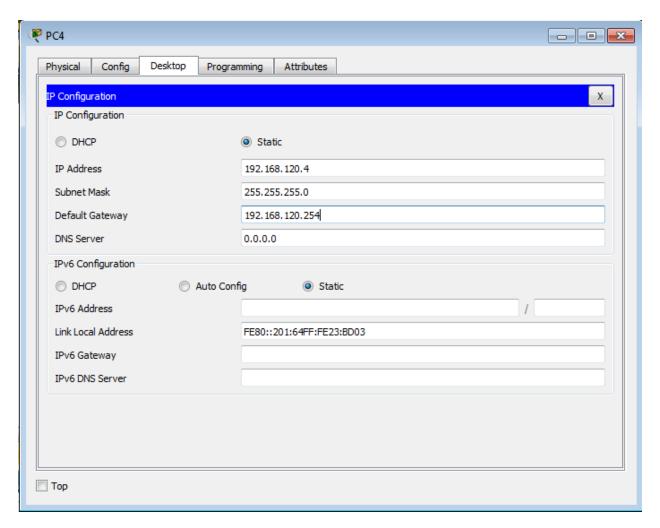


4. Memberikan IP Address, Subnet Mask, dan Default Gateway pada masing-masing komputer.

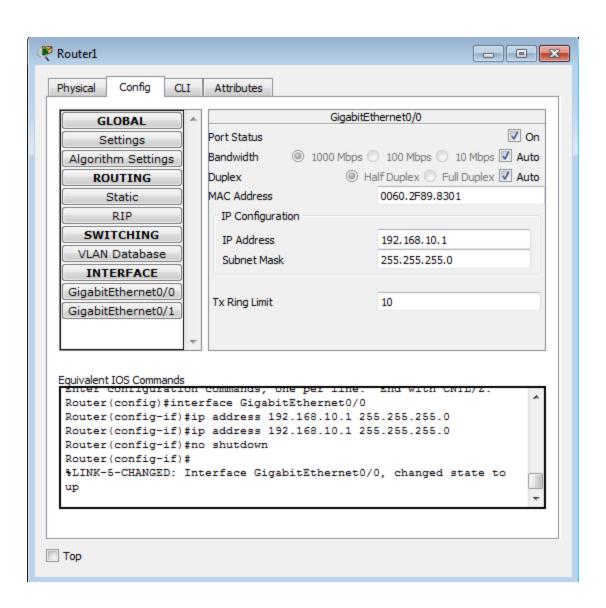


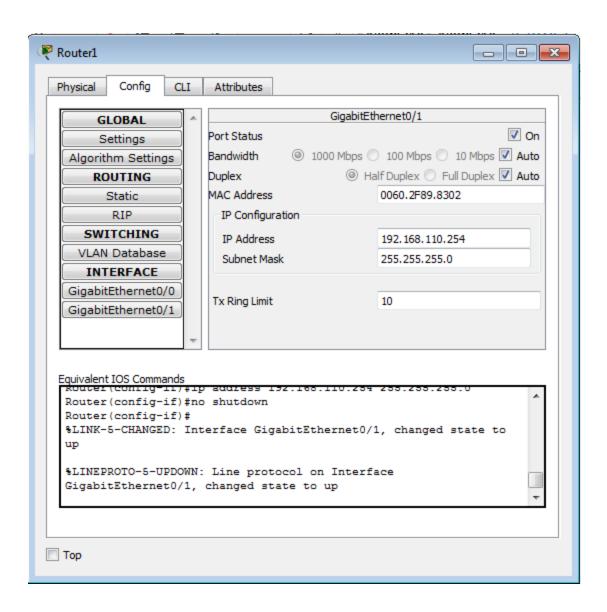


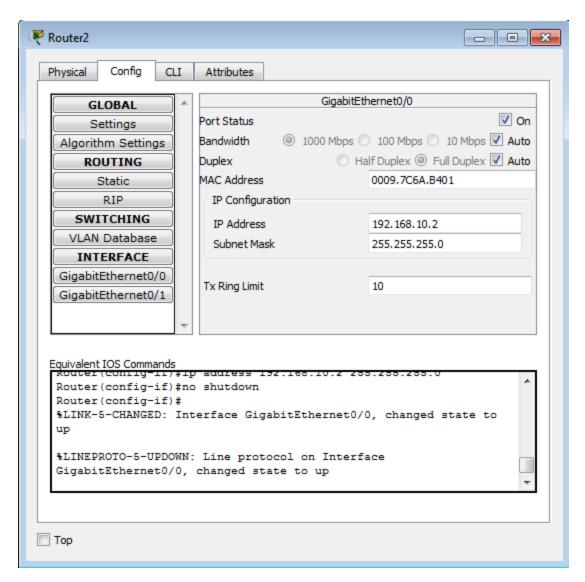




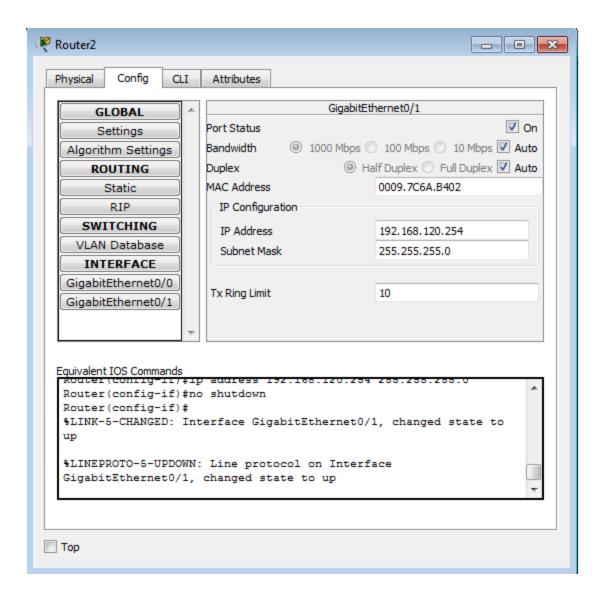
- 5. Melakukan routing dengan protokol RIP pada kedua jaringan.
- a. Router 1.



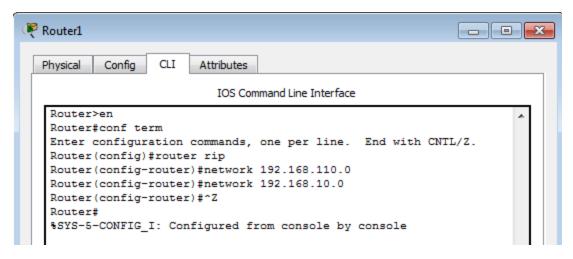




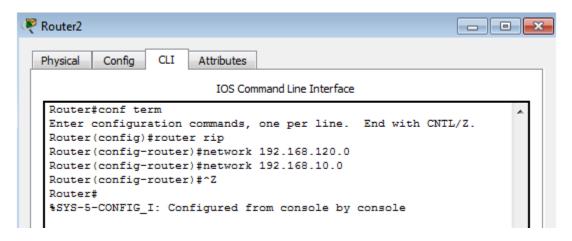
b. Router 2.



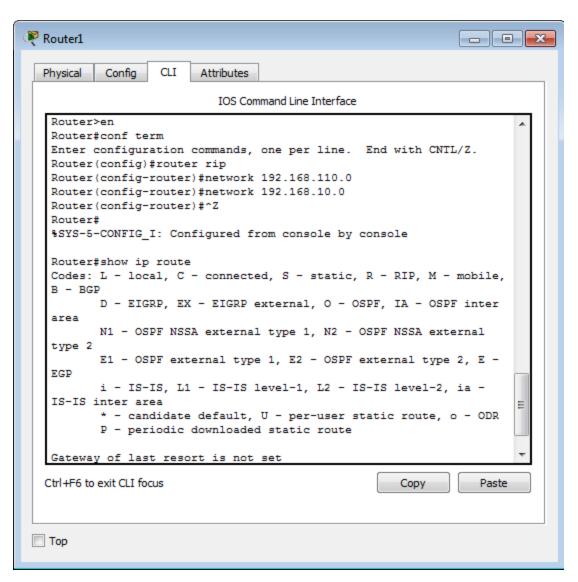
- 8. Pada Router diberikan network ID untuk digunakan jalur routing.
- a. Router 1.



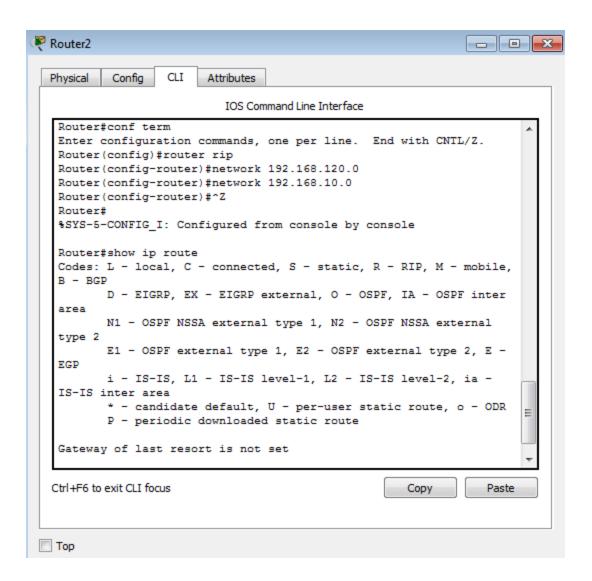
b. Router 2.



- 9. Melakukan pengecekan tabel routing pada kedua router tersebut dengan perintah "show ip route"
- a. Router 1.



b. Router 2.



10. Melakukan ter koneksi dari PC 1 ke PC 4 dengan menggunakan perintah ping.

```
C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:

Reply from 192.168.120.4: bytes=32 time=2ms TTL=126

Reply from 192.168.120.4: bytes=32 time<1ms TTL=126

Reply from 192.168.120.4: bytes=32 time<1ms TTL=126

Reply from 192.168.120.4: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.120.4:

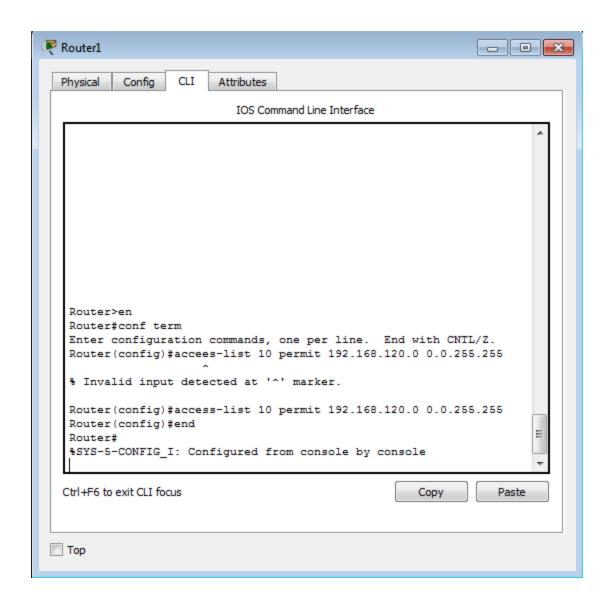
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

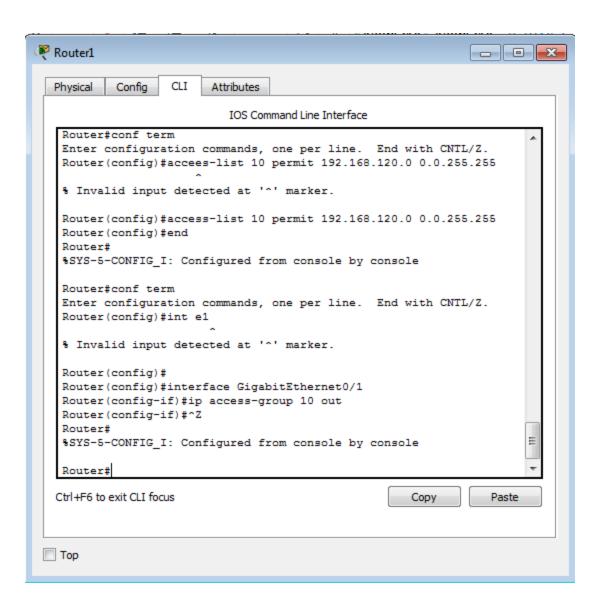
Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```

11. Menentukan Access list yang akan diterapkan pada jaringan tersebut.



12. menerapkan Access List tersebut ke interface Router 1 dalam hal ini interface e1 yang mengarah ke dalam jaringan 192.168.110.0

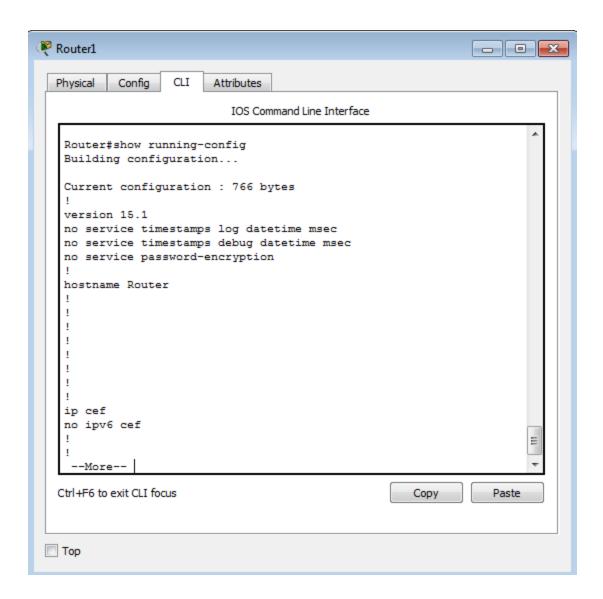


14. Melihat konfigurasi Access List pada Router 1.

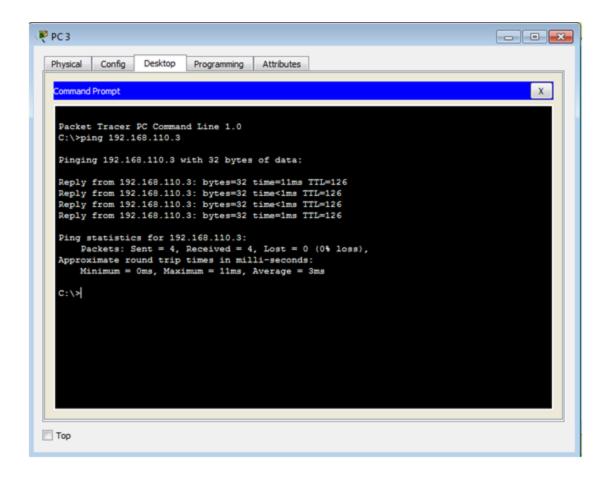
```
Router#show access-lists
Standard IP access list 10
10 permit 192.168.0.0 0.0.255.255

Router#
```

15. Perhatikan konfigurasi Access List pada Ethernet 1 dengan perintah show running-config.



16. Lakukan tes koneksi dua arah antara PC 3 dengan PC 1 yang berada pada jaringan berbeda dengan menggunakan ping.



18. Perintah yang digunakan.

```
Router#conf term

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#access-list 20 permit 192.168.120.4 0.0.0.0

Router(config)#^Z

Router#

%SYS-5-CONFIG_I: Configured from console by console
```

19.

Router(config-if) #ip access-group 20 Router(config-if) #^Z Router# %SYS-5-CONFIG_I: Configured from con	
Ctrl+F6 to exit CLI focus	Copy Paste

20. Melakukan tes koneksi dari PC 3 ke PC 1 dan PC 2.

a. ke PC 1

```
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.3:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

b. ke PC 2

```
C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.110.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

21. Melakukan tes koneksi dari PC 4 ke PC 1 dan PC 2.

a. ke PC 1.

```
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Reply from 192.168.110.3: bytes=32 time=1ms TTL=126
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126
Reply from 192.168.110.3: bytes=32 time=1ms TTL=126
Reply from 192.168.110.3: bytes=32 time<1ms TTL=126
Ping statistics for 192.168.110.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms</pre>
```

b. ke PC 2.

```
C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Request timed out.

Reply from 192.168.110.4: bytes=32 time=1ms TTL=126

Reply from 192.168.110.4: bytes=32 time<1ms TTL=126

Reply from 192.168.110.4: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.110.4:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Kegiatan 2.

1. Melakukan konfigurasi Extended Access List dengan mengijinkan (permit) paket telnet dari semua host yang ada di jaringan **192.168.120.0** ke host **192.168.110.3**.

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.255 192.168.110.3 0.0.0.0 eq telnet
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

2. Menerapkan Access List ke interface router.

```
Router#conf term

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/1

Router(config-if)#ip access-group 100 in

Router(config-if)#^Z

Router#

%SYS-5-CONFIG_I: Configured from console by console
```