PRAKTIKUM
JARINGAN KOMPUTER
(Computer Networking)

LAPORAN TUGAS
MODUL 8

Nama : Shafa Bani Saputra
NIM : L200190151
Kelas : D

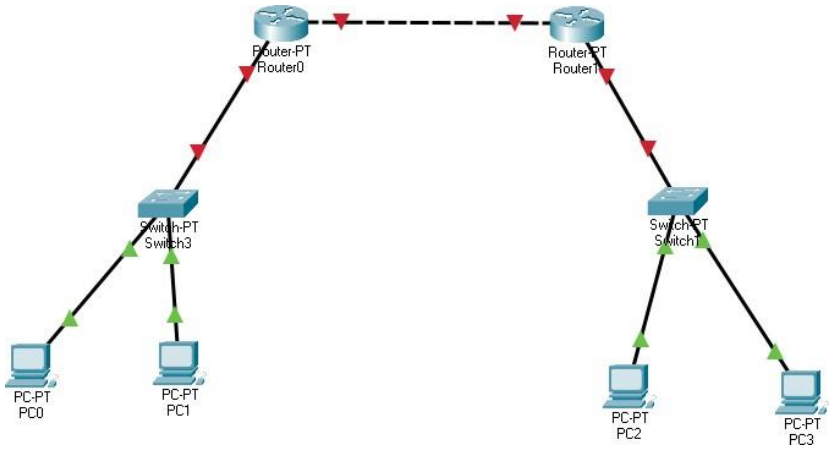
PROGRAM STUDI INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA

UNIVERSITAS MUHAMMADIYAH

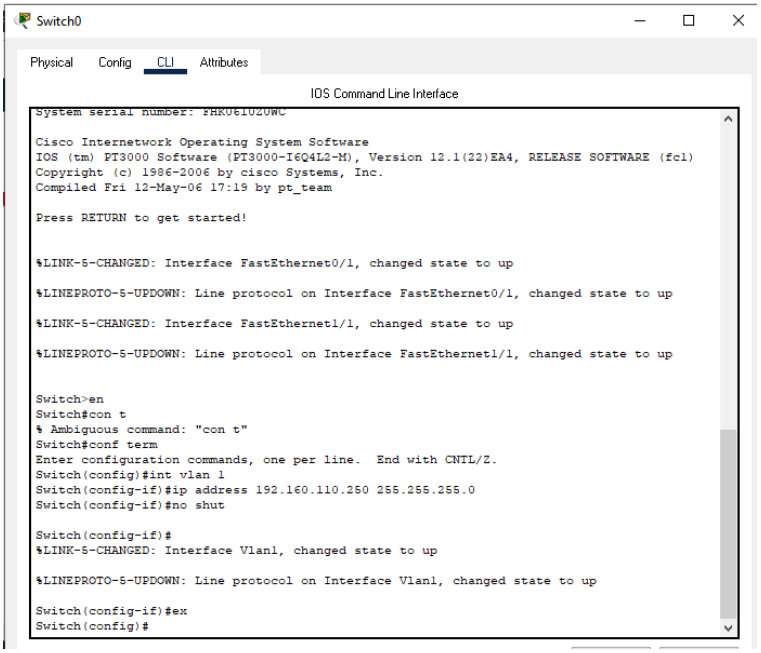
SURAKARTA

1. Kegiatan 1
   a. Membuat topologi

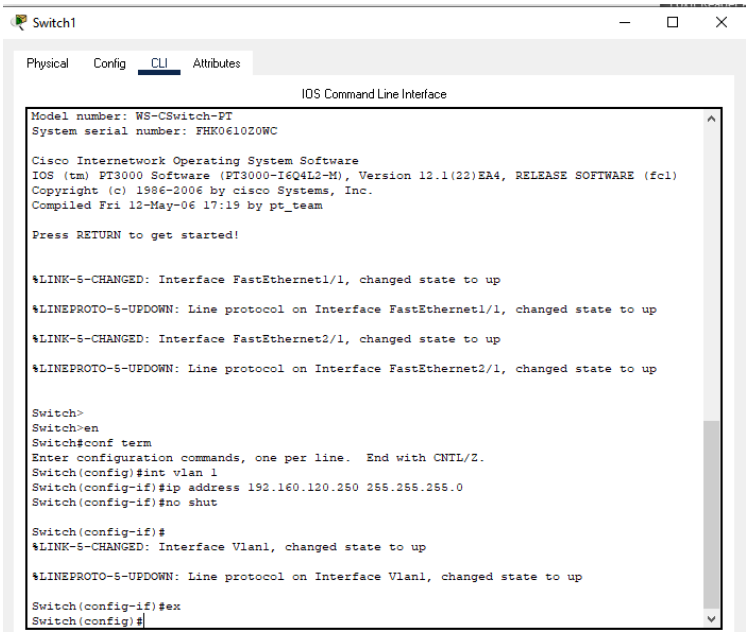


   b. Berikan IP pada kedua switch

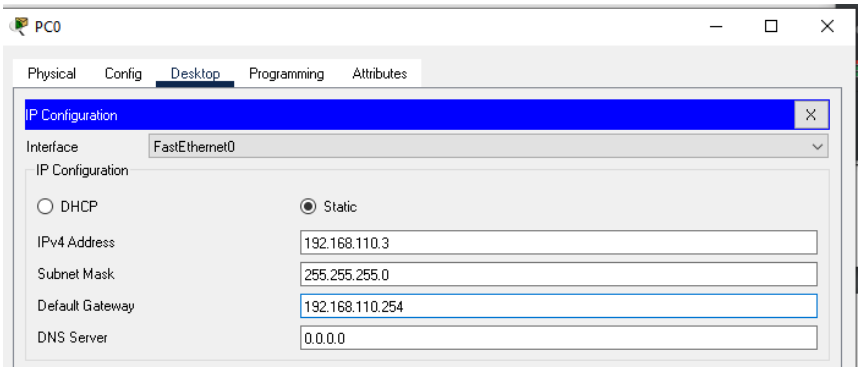
   Switch 0

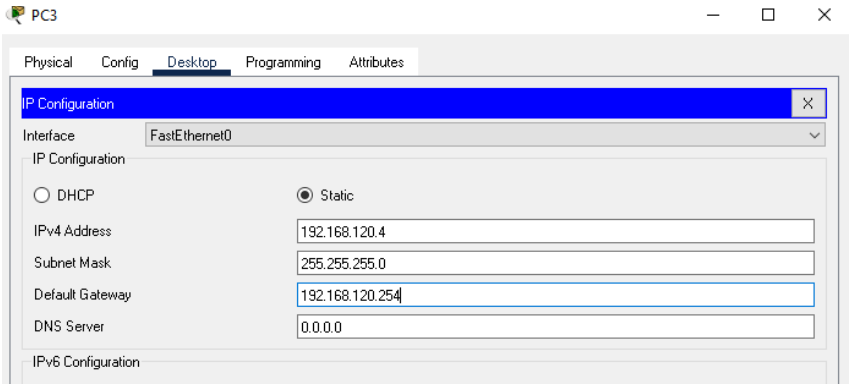


Switch 1



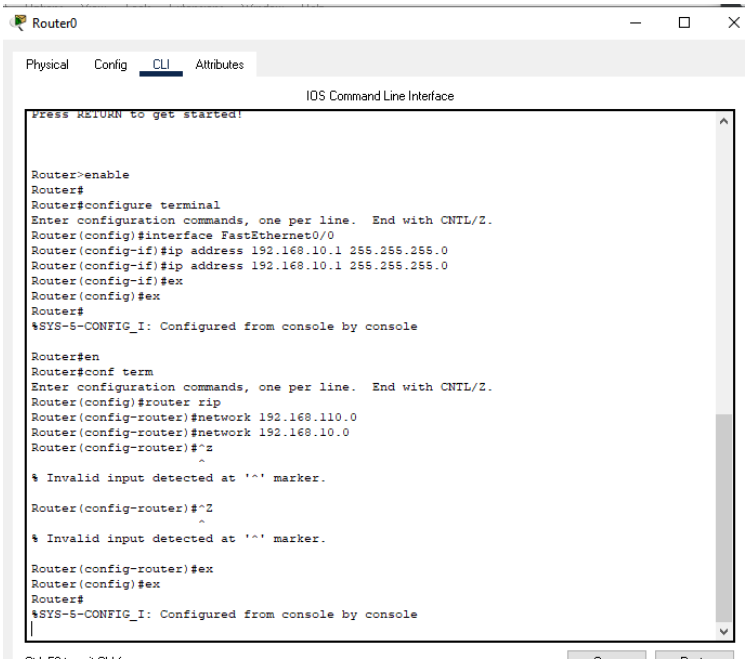
c. Memberikan IP Address untuk setiap PC



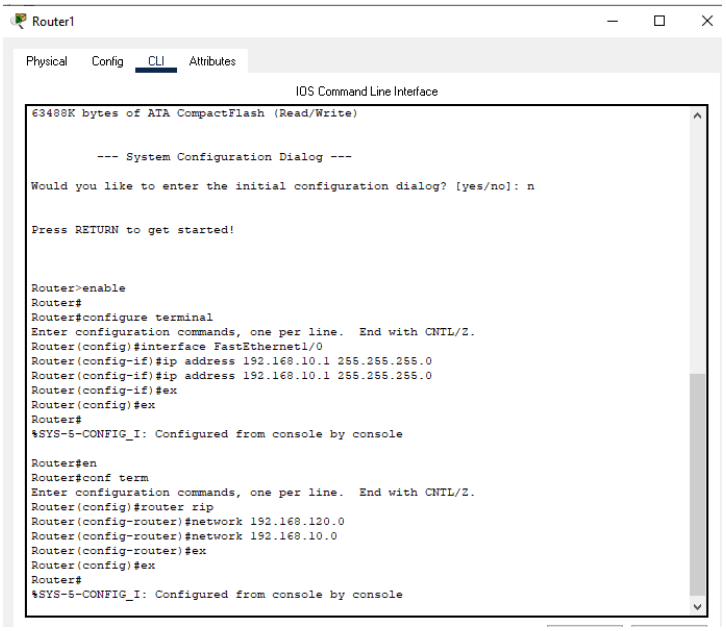


d. Melakukan routing dengan protocol RIP pada kedua jaringan

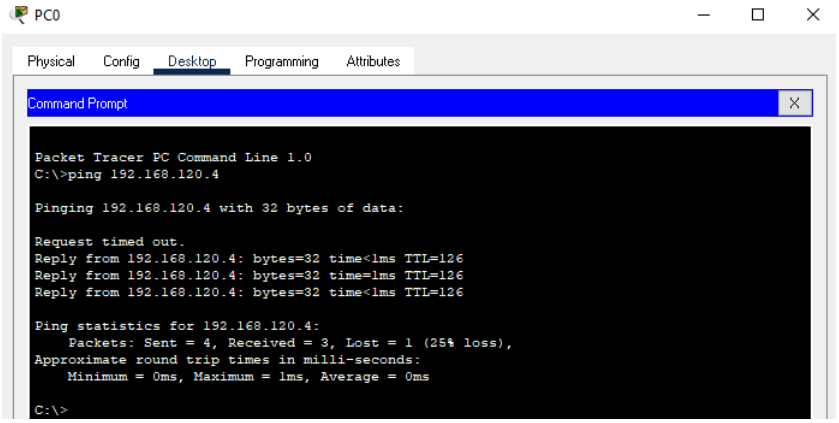
Router 0



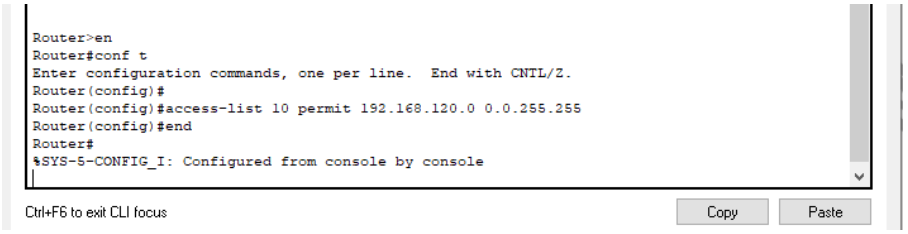
Router 1



e. Untuk mengetest routing berhasil, ping PC0 ke PC3



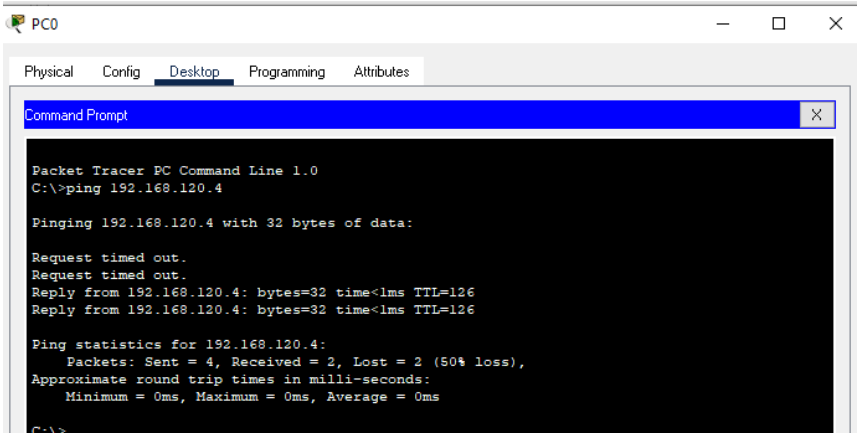
f. Mengkonfigurasi ACL 10 Permit Network 192.68.120.0



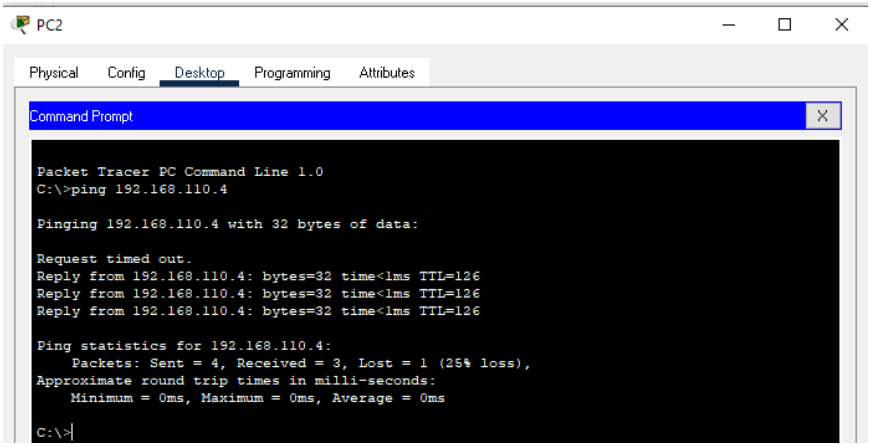
g. Memperlihatkan konfigurasi Access List pada ethernet 1

h. Ping ke Access List 10

PC 0

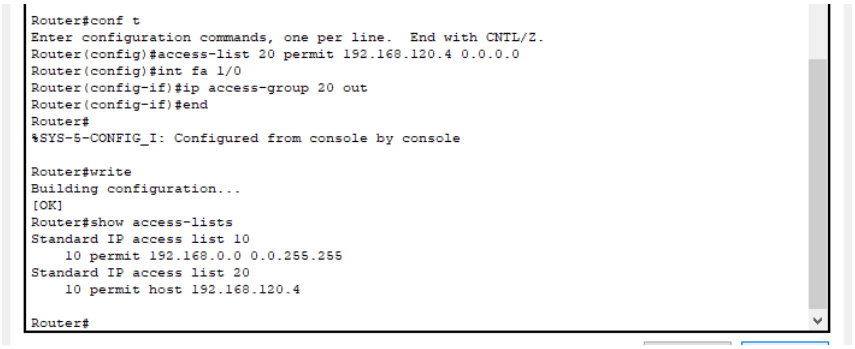


PC 3

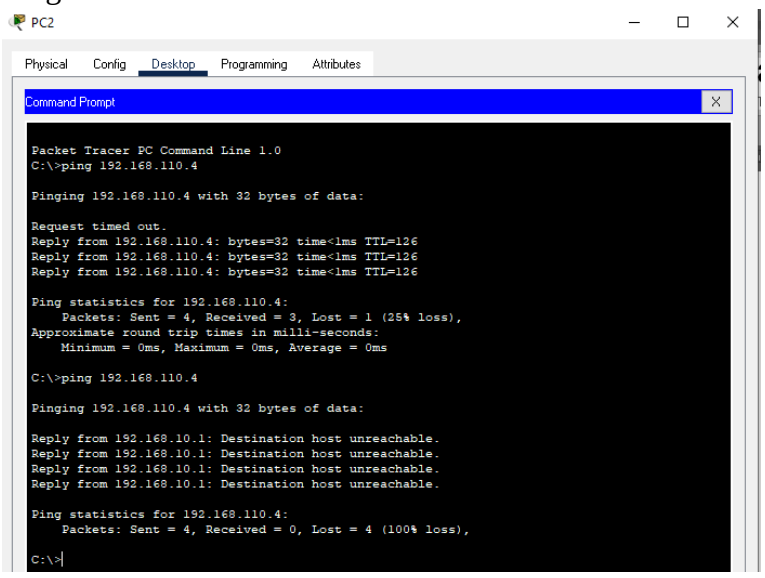


Kesmpulan : Kesimpulan: Paket dapat terkirim karena ACL router1 sudah mendapat izin paket dari Network 192.168.120.0 keluar interface router1 ke network 192.168.110.0

i. Mengkonfigurasi ACL 20 Permit Network 192.68.120.4



j. Ping dari ACL 20



Kesimpulan: Hasilnya paket dari PC2 tidak tercapai karena hanya host dari PC3 yang bisa mengirim paketnya

2. Kegiatan 2
    a. Melakukan konfigurasi extended access list dengan mengizinkan (permit) paket telnet dari semua host yang ada di dalam 192.168.120.0 ke host 192.168.110.3

```
Router#conf t
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
telne
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

    b. Menetapkan Access List ke interface router

```
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)#ip access-group 100 in
Router(config-if)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#write
Building configuration...
[OK]
Router#show access-lists
Standard IP access list 10
    10 permit 192.168.0.0 0.0.255.255
Standard IP access list 20
    10 permit host 192.168.120.4
Extended IP access list 100
    10 permit tcp 192.168.120.0 0.0.0.255 host 192.168.110.3 eq telnet
    20 permit tcp 192.168.120.0 0.0.0.255 host 192.168.110.3

Router#
```