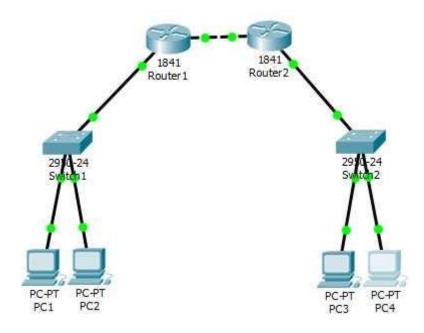
Nama : Ahyana Ilham W NIM : L200170170

Kelas : D

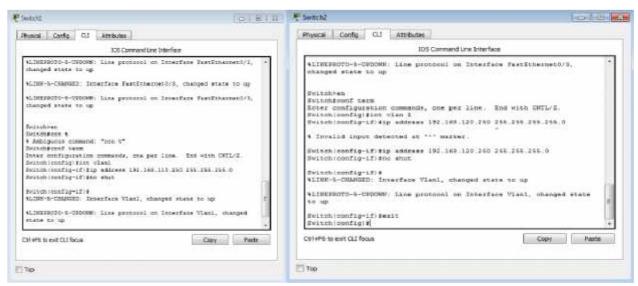
KEGIATANPRAKTIKUMJARINGANKOMPUTER MODUL8

KEGIATAN 1.

1. Desain jaringan:

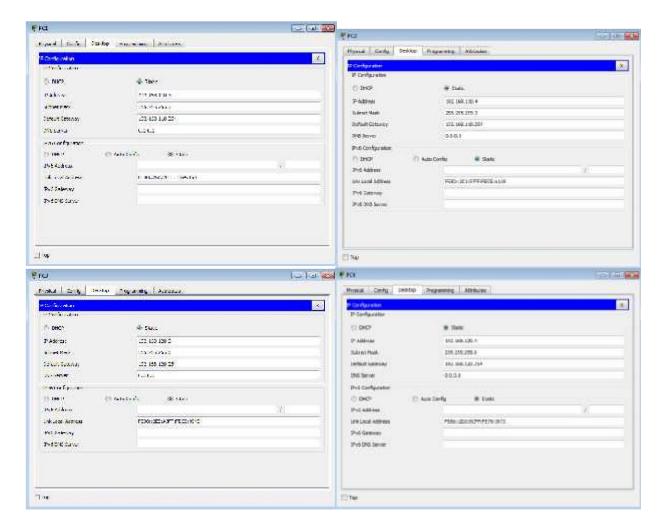


3. Khusus untuk Switch1 dan Switch2 berikan alamat IP untuk digunakan sebagai default gateway bagi semua komputer.



4. Berikutnya berikat alamat IP, subnet mask, dan default gateway pada masing-masing computer.

```
Router(config) #router rip
Router(config-router) #network 192.168.120.0
Router(config-router) #network 192.168.10.0
Router(config-router) #network 192.168.10.0
Router(config-router) #^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```



7. Routing protocol RIP pada kedua jaringan.

```
Router(config) #router rip
Router(config-router) #network 192.168.110.0
Router(config-router) #network 192.168.10.0
Router(config-router) #^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

- 8. pada Router1 berikan network ID 192.168.110.0 dan 192.168.10.0 untuk digunakan sebagai jalur routing. Sedangkan pada Router2 diberikan network ID 192.168.120.0 dan 192.168.20.0 untuk digunakan sebagai jalur routing.
- 9. Lakukan pengecekan table dengan menggunakan perintah "show ip route"

```
Routestal up soute
                                                                     Codes: C connected, A stance, 1 1989, R 809, N months.
          connected it static, I INNE E RIE M mobile.
Convert C
                                                                     B - BCP
       H KHRR, EX X SEP external, D COPF, IA COPF inter
                                                                             E - EIGHP, EX - EIGHP chremnil, 0 - 080F, IA - 080F inter
      NO OCET MOSE external type 1, MZ MOSET MOSE external
                                                                            NT - 00 PM NOSA external type T, NZ - 00 PZ NOSA external
                                                                     -yer s
      El - OSPF enternal type 1, E2 - OSPF enternal type 1, E -
                                                                             E1 - GERF omternal type 1. E2 - OSFF enternal type 3, E -
                                                                     ECD
                                                                             L - IS-IS, Li - IS-IS level-1, L2 - IS-IS level-2, is -
       1 - IS-IS, EL - IE-IS level-1, E2 - IE-IS level-2, ia -
IS-IS inter area

    4 - condidate diffusio, 0 - per-user statie resta, e - 60%
    5 - periodic discribeded static roots

                                                                            * - candidate default, T - per-user static route, \alpha - ODR \Gamma - periodic downloaded static route
                                                                     Habeway of lash resort to not set
Celeves of lest resurt is not set
     192.188.10.3/24 is directly connected, YestE.beinet3/1
                                                                           192.168.10.0/20 is directly consected, FostEthernet3/0
     192,168,110.0/24 is directly connected, DestEthernetC-0
                                                                           192.168.120.0/24 is directly connected, FastEthermetO/1
```

10. Lakukan tes koneksi dari PC1 ke PC4 dengan menggunakan perintah Ping.

```
C:\>ping 192.168.120.4

Pinging 192.168.120.4 with 32 bytes of data:

Reply from 192.168.110.254: Destination host unreachable.

Ping statistics for 192.168.120.4:

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

11. Tentukan access-list yang akan diterapkan dalam jaringan.

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 10 permit 192.168.120.0 0.0.255.255
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

12. Terapkan Access List ke interface [Router1].

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int el

* Invalid input detected at '^' marker.

Router(config)#Interface FastEthernet0/1
Router(config-if)#ip access-group 10 out
Router(config-if)#^Z
Router#
*SYS-5-CONFIG_I: Configured from console by console

14. Lihat konfigurasi Access List pada Router1.
```

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

15. Lihat konfigurasi Access List pada Ethernet1 dengan perintah "show running-config"

```
Anumental running conting
                                                                      spanning tree more pret
Building configuration ...
Carrent configuration . 886 bytes
Tereson 1/ 4
no service timestamps log datetime mace
                                                                     interface FeatEthernet0/0
no service timestampe debug detecime meet
                                                                       ap address 182.168.110.254 288.265.286.5
no service personid-endryotion.
                                                                      duplex auto
hadrane louser
                                                                     interface FastEthernet0/1
                                                                      ip address 192 168:10.1 288.288.288.0
                                                                       duples auto
                                                                       speed auto
                                                                     interface Viani
                                                                      no ip address
shutdown
10 000
no ipv6 cof
                                                                     router mp
                                                                      neswork 192,168,10.0
network 192,168,110.0
up classiess
up tion emout version 3
ecress (186 10 permin 192 190 0 0 0 0 7 266 265
line con 0
line suc 0
line sty 0 4
 login.
erd
```

16. Lakukan tes koneksi dua arah antara PC3 dengan PC1 yang berada pada jaringan berbeda dengan menggunakan perintah Ping.

```
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

Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#Interface FastEthernet0/1
Router(config-if)#ip access-group 20 out
Router(config-if)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

20. Lakukan tes koneksi dari PC3 yang berada pada jaringan 192.168.120.0 ke PC1 dan PC2 yang ada pada jaringan 192.168.110.0

ping dari PC3 ke PC1

```
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 192.168.110.3:

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

ping dari PC3 ke PC2

```
C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 192.168.110.4:

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

21. Lakukan tes koneksi dari PC4 yang berada pada jaringan 192.168.120.0 ke PC1 dan PC2 yang berada pada jaringan 192.168.110.0

ping dari PC4 ke PC1

```
C:\>ping 192.168.110.3

Pinging 192.168.110.3 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 192.168.110.3:

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

ping dari PC4 ke PC2

```
C:\>ping 192.168.110.4

Pinging 192.168.110.4 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 192.168.110.4:

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

KEGIATAN 2.

