Laporan Praktikum Jaringan Komputer UAS

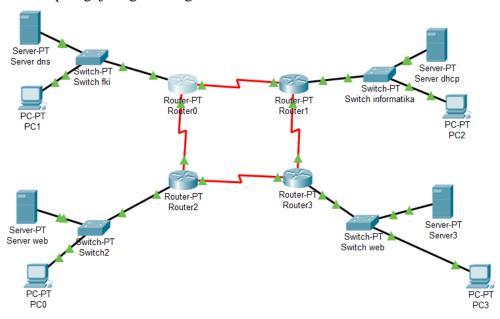


Nama : Bagus Nuril Anam

NIM : L200170006

Kelas : A

No.1 Membuat topologi jaringan sebagai berikut:



No.2 Konfigursi pengalamatan ip(sesuai gambar diatas(no.1)) a)

Router 0	Server DNS	PC 0
SE 2/0 (ip add 192.168.5.1)	Ip add 192.168.1.2	Ip add 192.168.1.3
SE 3/0 (ip add 192.168.8.2)		
Fa 0/0 (ip add 192.168.1.1)		
1 \		

 Boole
 Router 1
 Server DHCP
 PC 2

 SE 2/0 (ip add 192.168.6.1)
 Ip add 192.168.2.2
 Otomatis sesuai pengaturan dhcp yang dibuat (ip add 192.168.2.3)

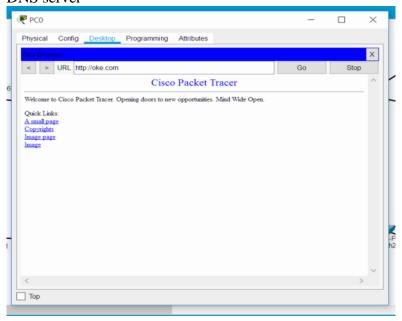
 Fa 0/0 (ip add 192.168.2.1)
 (ip add 192.168.2.3)

_()		
Router 2	Server3	PC 3
SE 2/0 (ip add 192.168.7.1)	Ip add 192.168.3.2	Ip add 192.168.3.3
SE 3/0 (ip add 192.168.6.2)		
Fa 0/0 (ip add 192.168.3.1)		

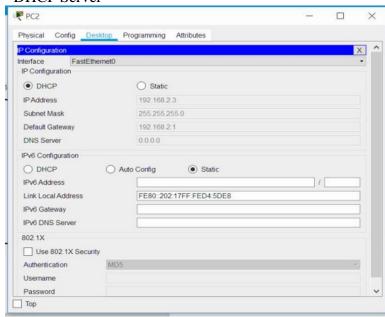
d)		
Router 3	Server Web	PC 1
SE 2/0 (ip add 192.168.8.1)	Ip add 192.168.4.2	Ip add 192.168.4.3
SE 3/0 (ip add 192.168.7.2)		
Fa 0/0 (ip add 192.168.4.1)		

Test no.2

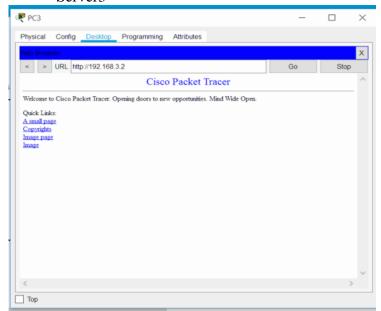
• DNS server



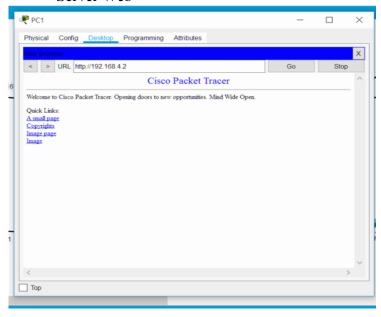
DHCP Server



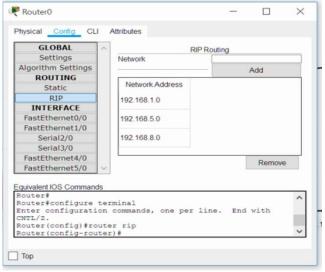
• Server3



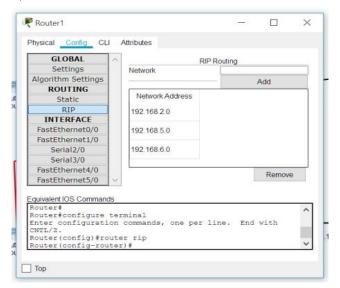
Server Web



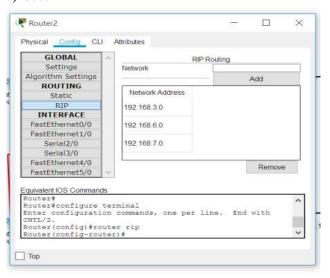
No.3 Konfigurasi routing dinamis a)router 0



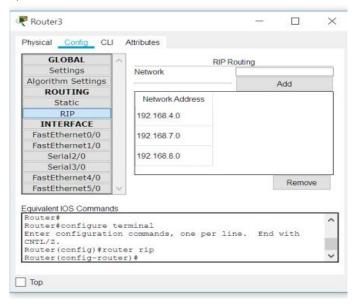
b)router 1



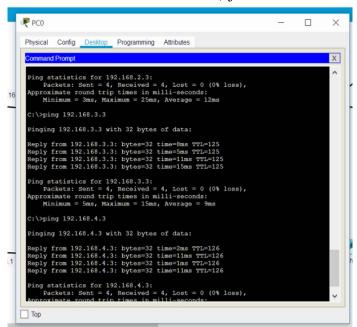
c)router 2



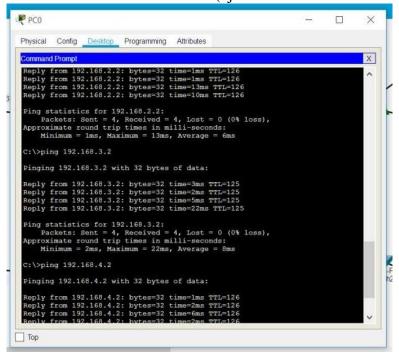
d)router 3



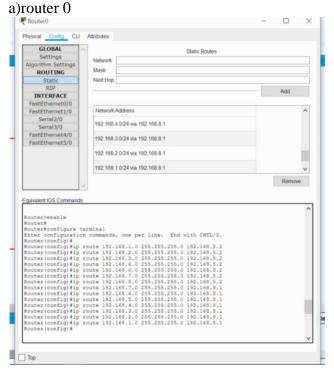
> Test no.3 router dinamis (uji konektivitas antar PC)



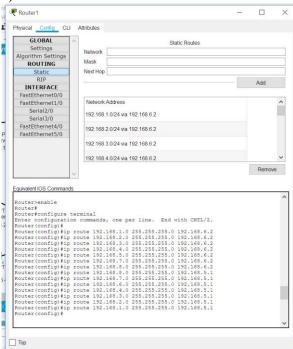
> Test no.3 router dinamis (uji konektivitas PC ke server antar router)



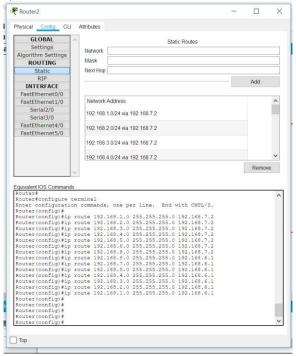
No.4 Konfigurasi router statis



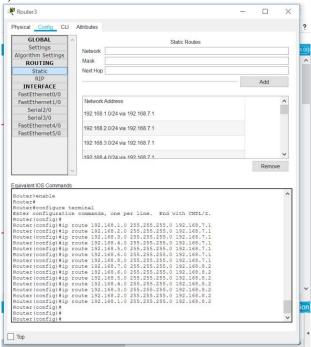
b)router 1



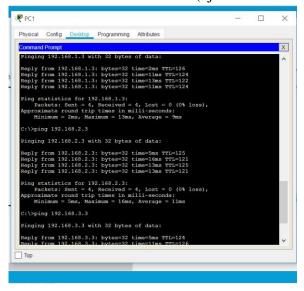
c)router 2



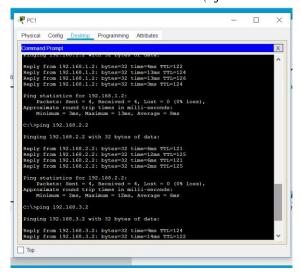
c)router 3



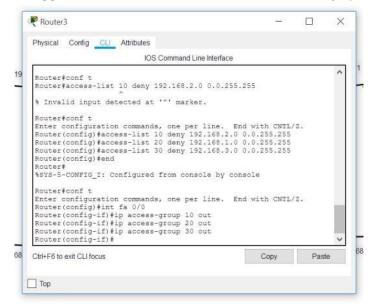
> Test no.4 router statis(uji konektivitas antar PC)



> Test no.4 router statis (uji konektivitas PC ke server antar router)



No.5 Menggunkan access list untuk membatasi 1 PC saja yang dapat mengakses server web



a)Test akses dengan PC 0

```
PC0
                                                                                                             Physical Config Desktop Programming Attributes
 Command Prompt
  Reply from 192.168.8.1: Destination host unreachable.
Request timed out.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 192.168.4.2
  Pinging 192.168.4.2 with 32 bytes of data:
  Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
Reply from 192.168.8.1: Destination host unreachable.
Request timed out.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 192.168.4.2
  Pinging 192.168.4.2 with 32 bytes of data:
  Reply from 192.168.8.1: Destination host unreachable.
  Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
Top
```

b) Test akses dengan PC 2

```
PC2
                                                                                                                   X
 Physical Config Desktop Programming Attributes
 Command Prompt
                                                                                                                            Х
  Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 192.168.4.2
  Pinging 192.168.4.2 with 32 bytes of data:
  Request timed out.
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 192.168.4.2
  Pinging 192.168.4.2 with 32 bytes of data:
  Request timed out.
Request timed out.
Reply from 192.168.8.1: Destination host unreachable.
Reply from 192.168.7.2: Destination host unreachable.
  Ping statistics for 192.168.4.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
□ Тор
```

c) Test akses dengan PC 3

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 192.168.4.2

Pinging 192.168.4.2 with 32 bytes of data:

Require from 192.168.7.2: Destination host unreachable.

Reply from 192.168.8.1: Destination host unreachable.

Reply from 192.168.7.2: Destination host unreachable.

Ping statistics for 192.168.4.2:

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

C:\>
```

d) Test akses dengan PC 1

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 192.168.4.2

Pinging 192.168.4.2: bytes=32 time=lms TTL=128
Reply from 192.168.4.2: bytes=32 time=lms TTL=128
Reply from 192.168.4.2: bytes=32 time<lms TTL=128
Reply from 192.168.4.2: bytes=32 time<lms TTL=128
Reply from 192.168.4.2: bytes=32 time<lms TTL=128

Ping statistics for 192.168.4.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

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

C:\>
```