LAPORAN AKHIR PRAKTIKUM

Mata Praktikum : JARINGAN KOMPUTER

Kelas : 3IA11

Praktikum ke- : 4

Tanggal : 5/11/2024

Materi : ROUTING

NPM : 51422161

Nama : MUHAMMAD TARMIDZI BARIQ

Ketua Asisten : RAFI

Jumlah Lembar : 14



UNIVERSITAS GUNADARMA

2024

1. Masukkan server sebanyak 2



2. Masukkan "swtich 2950-24" sebanyak 2



3. masukkan "PT-Router" sebanyak 2



4. Masukkan "Laptop" sebanyak 2

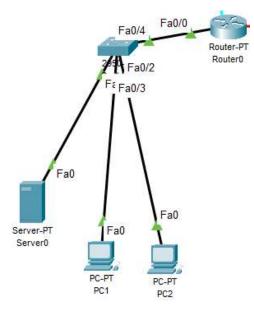


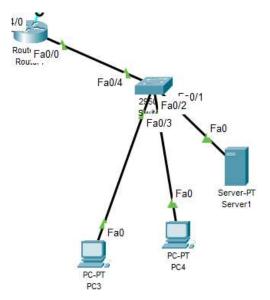
5. Masukkan "PC" sebanyak 4



6. Masukkan kabel "Copper Straight Through" arahkan Server ke Switch, PC ke Switch, Router ke Switch







7. Masukkan kabel "fiber" router ke router



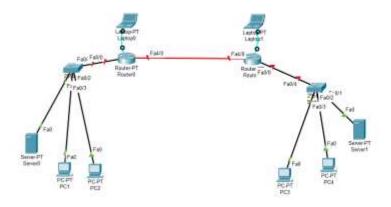


8. Masukkan kabel "Coaxial" Laptop ke router



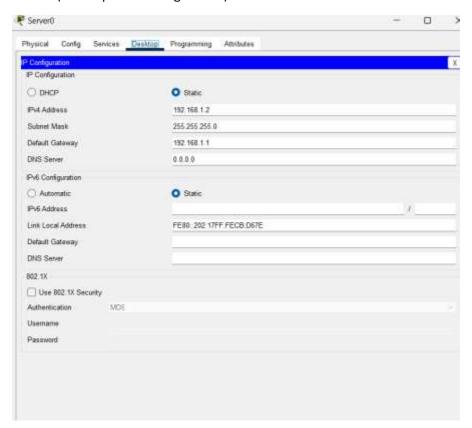








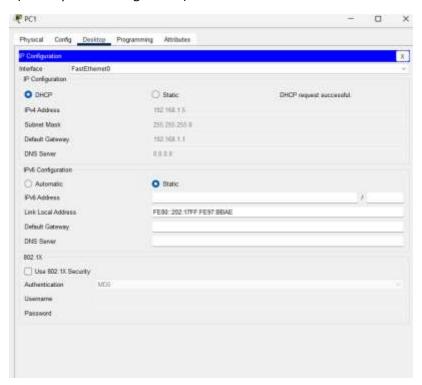
9. Konfigurasi Server0 (Desktop -> IP Configuration)



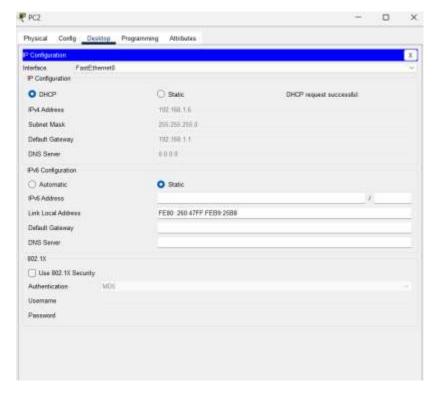
10. Konfiguraasi Server0 (Services -> DHCP)



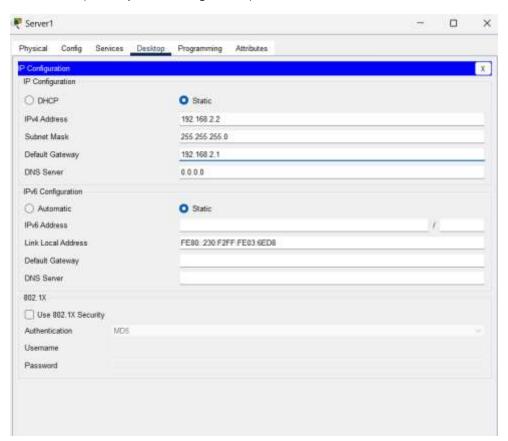
11. Konfigurasi PC1 (Dekstop -> IP Configuration)



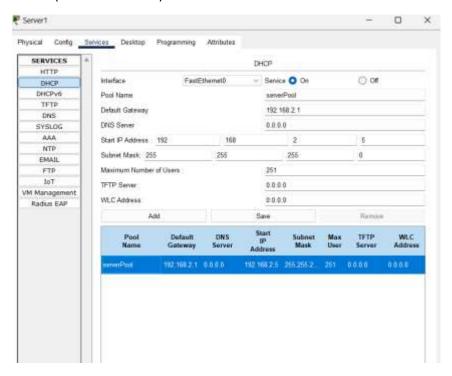
12. Konfigurasi PC1 (Dekstop -> IP Configuration)



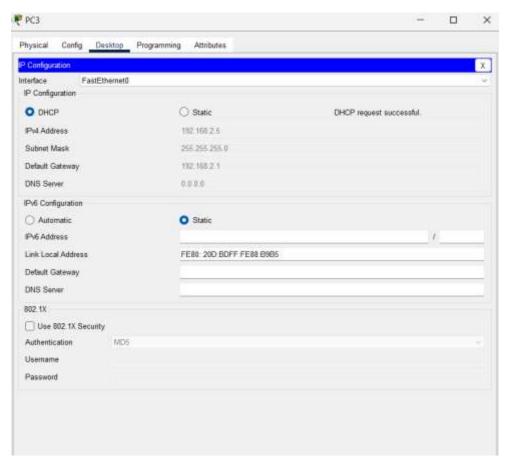
13. Konfigurasi Server1 (Dekstop -> IP Configuration)



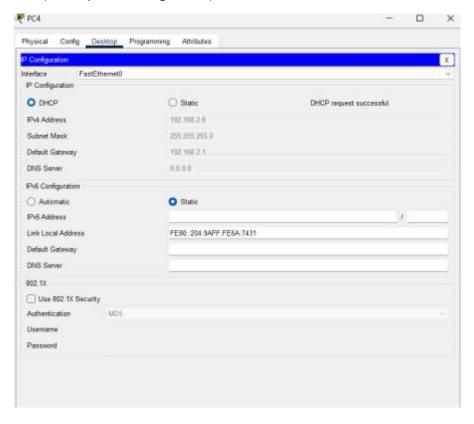
14. Konfigurasi Server1 (Services -> DHCP)



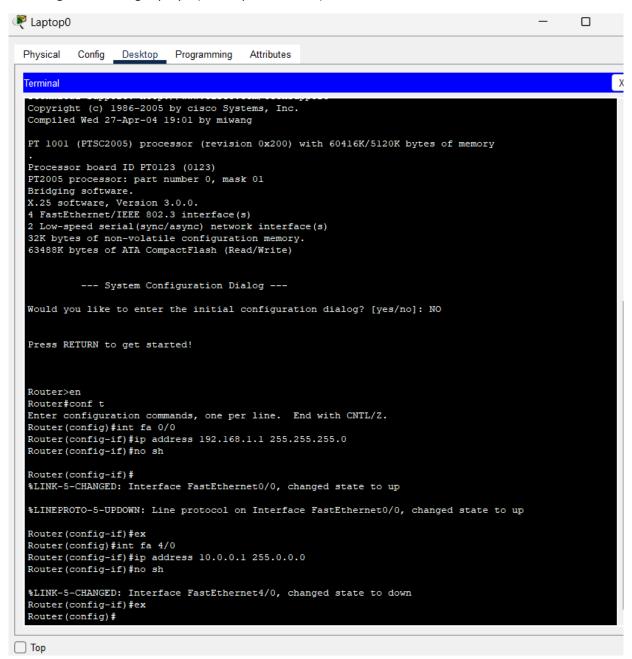
15. Konfigurasi PC3 (Dekstop -> IP Configuration)



16. Konfigurasi PC4 (Dekstop -> IP Configuration)



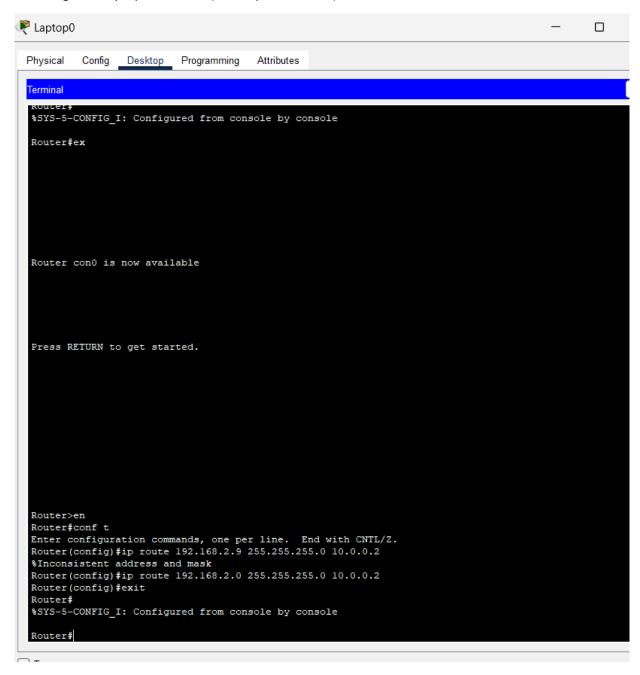
17. Konfigurasi Routing Laptop0 (Desktop -> Terminal)



18. Konfigurasi Laptop1 (Desktop -> Terminal)

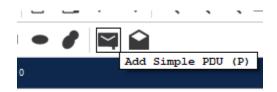
```
🏴 Laptop1
                                                                                                           X
 Physical
           Config Desktop
                            Programming
                                         Attributes
  Terminal
                                                                                                         Χ
                                (revision uxzuu) with outlok/Sizuk
  Processor board ID PT0123 (0123)
  PT2005 processor: part number 0, mask 01
  Bridging software.
  X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
  2 Low-speed serial(sync/async) network interface(s)
  32K bytes of non-volatile configuration memory.
  63488K bytes of ATA CompactFlash (Read/Write)
           --- System Configuration Dialog ---
  Would you like to enter the initial configuration dialog? [yes/no]: no
  Press RETURN to get started!
  Router>en
  Router#conf t
  Enter configuration commands, one per line. End with CNTL/Z.
  Router(config)#int fa 0/0
  Router(config-if) #ip address 192.168.2.1 255.255.255.0
  Router(config-if) #no sh
  Router(config-if)#
  %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
  Router(config-if) #ex
  Router(config)#int fa 4/0
  Router(config-if) #ip address 10.0.0.2 255.0.0.0
  Router(config-if) #no sh
  Router(config-if)#
  %LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up
  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed state to up
  Router(config-if)#ex
  Router(config)#
☐ Ton
```

19. Konfigurasi Laptop0, IP Route (Desktop -> Terminal)



```
Laptop1
 Physical Config
                 Desktop
                          Programming
                                        Attributes
 Terminal
 Processor board ID PT0123 (0123)
 PT2005 processor: part number 0, mask 01
 Bridging software.
 X.25 software, Version 3.0.0.
 4 FastEthernet/IEEE 802.3 interface(s)
 2 Low-speed serial(sync/async) network interface(s)
  32K bytes of non-volatile configuration memory.
 63488K bytes of ATA CompactFlash (Read/Write)
           --- System Configuration Dialog ---
 Would you like to enter the initial configuration dialog? [yes/no]: no
 Press RETURN to get started!
 Router>en
 Router#conf t
 Enter configuration commands, one per line. End with CNTL/Z.
 Router(config) #int fa 0/0
 Router(config-if) #ip address 192.168.2.1 255.255.255.0
 Router(config-if) #no sh
 Router(config-if)#
  %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
 %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
 Router (config-if) #ex
 Router(config) #int fa 4/0
 Router(config-if) #ip address 10.0.0.2 255.0.0.0
 Router(config-if) #no sh
 Router(config-if)#
 %LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up
 %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed state to up
 Router(config-if)#ex
 Router(config) #ip route 192.168.1.0 255.255.255.0 10.0.0.1
 Router(config)#
```

21. Add Simple PDU



22. Test hasil dari Add Simple PDU

