TUGAS 2 PERANCANGAN SISTEM JARINGAN KOMPUTER LAN BASIC

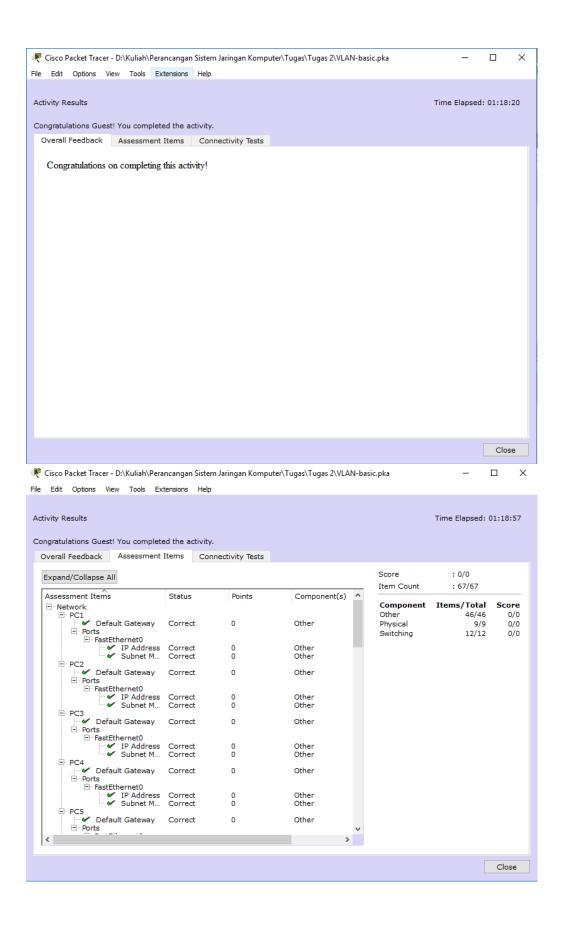
Disusun Guna Memenuhi Tugas Perancangan Jaringan Komputer Semester VI Pengampu: Ir. Bana Handaga, M.T., PhD



Oleh:

REINALDI PRASETYA L 200150008

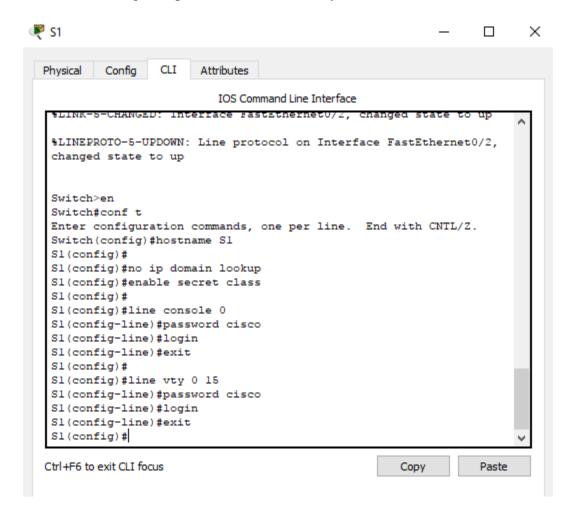
PROGRAM STUDI INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA UNIVERSITAS MUHAMMADIYAH SURAKARTA 2018

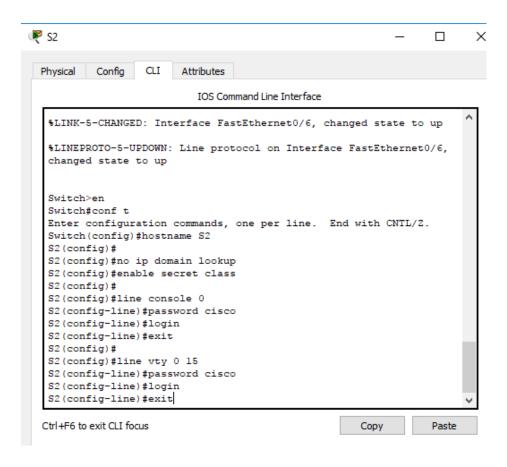


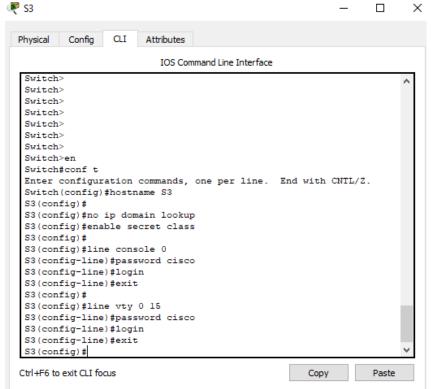
Tugas 1: Melakukan Konfigurasi Dasar switch

Langkah langkah:

- 1. Konfigurasi switch hostname
- 2. Mematikan DNS lookup
- 3. Konfigurasi password ECEX mode dari class
- 4. Konfigurasi password cisco untuk koneksi konsol
- 5. Konfigurasi password cisco untuk vty koneksi

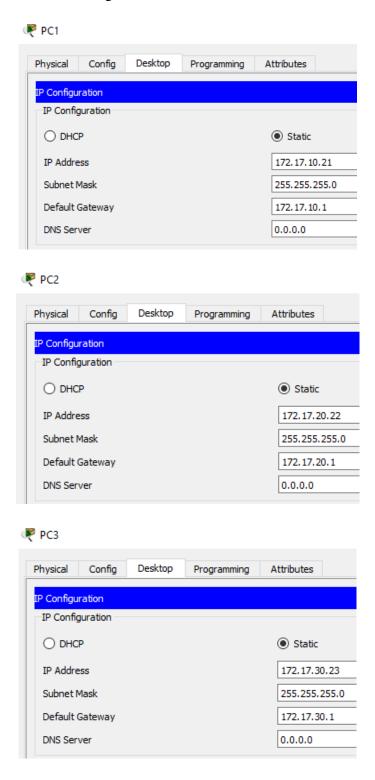




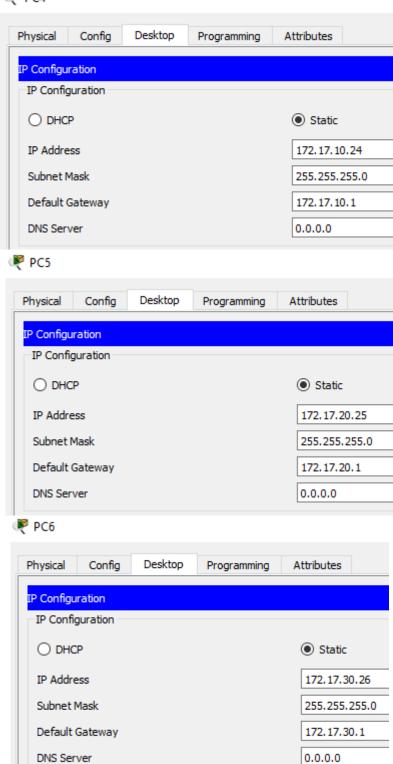


Tugas 2: Konfigurasi dan mengaktifkan ethernet interface

Mengkonfigurasi ethernet interface dari keenam pc dengan ip address dan default gateway dari table addressing



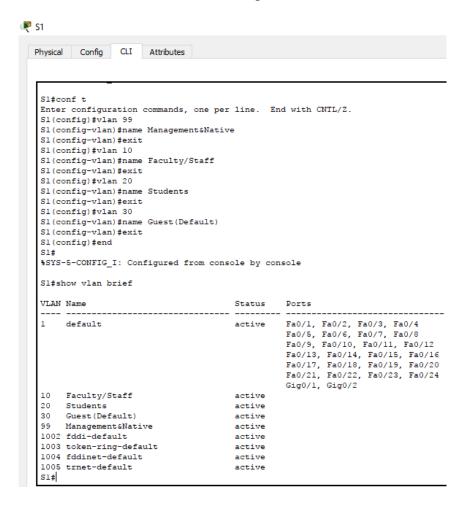




Tugas 3: Konfigurasi VLANs di Switch

Langkah langkah:

- 1. Membuat VLANs di switch 1
- 2. Memastikan VLANs sudah dibuat di S1
- 3. Konfigurasi dan nama VLANs di switch S2 dan S3
- 4. Memberikan switchport ke VLANs di S2 dan S3
- 5. Memastikan port yang sudah ditambahkan
- 6. Memberikan manajemen VLAN
- 7. Konfigurasi trunking dan native VLAN untuk trunking port pada semua switch
- 8. Memastikan switch dapat berkomunikasi
- 9. PING beberapa host dari PC2
- 10. Memindahkan PC1 ke sama VLAN dengan PC2
- 11. Merubah IP address dan network pada PC1



```
₽ S2
   Physical Config CLI Attributes
      S2#conf t
      Enter configuration commands, one per line. End with CNTL/Z.
      S2(config)#vlan 99
     S2(config-vlan) #name Management&Native
S2(config-vlan) #exit
      S2(config)#vlan 10
     S2(config-vlan) #name Faculty/Staff
S2(config-vlan) #exit
      S2(config)#vlan 20
      S2(config-vlan)#name Students
      S2(config-vlan)#exit
      S2(config)#vlan 30
     S2(config-vlan) #name Guest(Default)
S2(config-vlan) #exit
      S2(config) #end
      %SYS-5-CONFIG_I: Configured from console by console
      S2#show vlan brief
      VLAN Name
                                                                       Fa0/1, Fa0/2, Fa0/3, Fa0/4
Fa0/5, Fa0/6, Fa0/7, Fa0/8
          default
                                                         active
                                                                       Fa0/9, Fa0/0, Fa0/1, Fa0/12
Fa0/9, Fa0/10, Fa0/11, Fa0/12
Fa0/13, Fa0/14, Fa0/15, Fa0/16
Fa0/17, Fa0/18, Fa0/19, Fa0/20
Fa0/21, Fa0/22, Fa0/23, Fa0/24
Gig0/1, Gig0/2
            Faculty/Staff
                                                         active
      20
            Students
                                                         active
            Guest (Default)
Management&Native
      30
                                                          active
                                                          active
      1002 fddi-default
                                                         active
     1003 token-ring-default
1004 fddinet-default
                                                          active
      1005 trnet-default
                                                          active
    S2#
₹ S3
   Physical Config CLI Attributes
    S3>en
    Password:
     S3#conf t
     Enter configuration commands, one per line. End with CNTL/Z.
     S3(config)#vlan 99
    S3(config-vlan) #name Management&Native
S3(config-vlan) #exit
    S3(config)#vlan 10
    S3(config-vlan) #name Faculty/Staff
S3(config-vlan) #exit
     S3(config)#vlan 20
    S3(config-vlan) #name Students
S3(config-vlan) #exit
     S3(config)#vlan 30
    S3(config-vlan) #name Guest(Default)
S3(config-vlan) #exit
     S3(config)#end
     S3#show vlan brief
     %SYS-5-CONFIG_I: Configured from cons
     S3#show vlan brief
     VLAN Name
                                                          Status
                                                                        Ports
                                                                         Fa0/1, Fa0/2, Fa0/3, Fa0/4
         default
                                                          active
                                                                        Fa0/1, Fa0/2, Fa0/3, Fa0/4
Fa0/5, Fa0/6, Fa0/7, Fa0/8
Fa0/9, Fa0/10, Fa0/11, Fa0/12
Fa0/13, Fa0/14, Fa0/15, Fa0/16
Fa0/17, Fa0/18, Fa0/19, Fa0/20
Fa0/21, Fa0/22, Fa0/23, Fa0/24
Gig0/1, Gig0/2
     1.0
           Faculty/Staff
                                                          active
    20
           Students
                                                          active
     30
           Guest (Default)
                                                          active
           Management&Native
     99
                                                          active
     1002 fddi-default
                                                          active
    1003 token-ring-default
```

1004 fddinet-default 1005 trnet-default

S3#

active

active active

