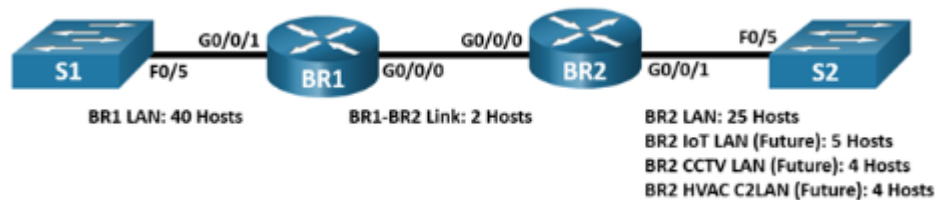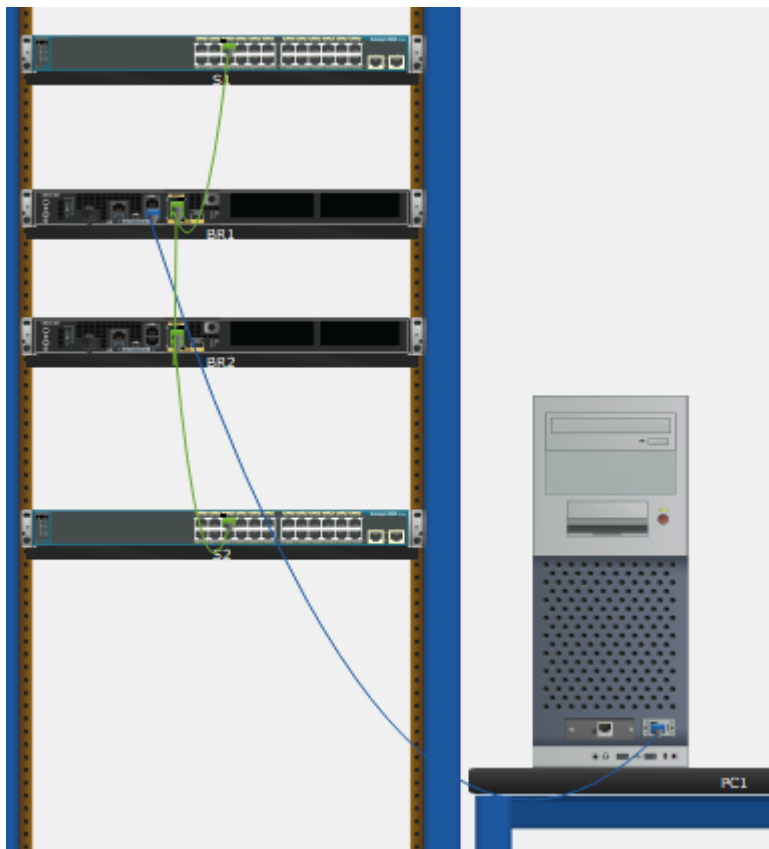LAPORAN TUGAS 11.10.2 Packet Tracer
Nama : Kalisal Agusfajar G.
NIM : A11.2022.14320

Mendesain dan Menerapkan Skema Pengalamatan VLSM

Buat Seperti topologi di gambar dengan menaruh switch dan router BR1 dan BR2 dan
hubungkan kabel seperti yang di gambar

Setelah kabel sudah terhubung seperti di gambar lalu kita nyalakan routernya dan pcnya
setelah itu kita pergi ke pc lalu membuka desktop lalu terminal setelah itu kita konfigurasi
Router BR1
Lalu konfigurasi seperti dibawah ini

```
Terminal

          --- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no


Press RETURN to get started!




Router>enable
Router#conf
Configuring from terminal, memory, or network [terminal]? terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostnamee BR1
                          ^
% Invalid input detected at '^' marker.

Router(config)#hostname BR1
BR1(config)#no doma
BR1(config)#no domain lookup
```

```
BR1(config)#no ip domain lookup
BR1(config)#enable secret class
BR1(config)#line console 0
BR1(config-line)#password cisco
BR1(config-line)#login
BR1(config-line)#line vty o 15
```

```
BR1(config-line)#login
BR1(config-line)#exit
BR1(config)#service pas
BR1(config)#service password-encryption
BR1(config)#banner motd #Unauthorized access is Prohibited!#
BR1(config)#
```

Setelah itu kita buat tabel pengalamatan dulu

Device	Device	Device	Device	Device
BR1	G0/0/0	192.168.33.249	255.255.255.252	BR1-BR2 Link
	G0/0/1	192.168.33.129	255.255.255.192	40 Host Lan
BR2	G0/0/0	192.168.33.250	255.255.255.252	BR1-BR2 Link
	G0/0/1	192.168.33.193	255.255.255.224	25 Host Lan

Lalu Konfigurasi ipnya

```
BR1(config)#int g0/0/1
BR1(config-if)#ip add
% Incomplete command.
BR1(config-if)#address 192.168.33.129 255.255.255.192
                       ^
% Invalid input detected at '^' marker.

BR1(config-if)#ip address 192.168.33.129 255.255.255.192
BR1(config-if)#desc
BR1(config-if)#description BR1 LAN
BR1(config-if)#suht
BR1(config-if)#shut
BR1(config-if)#shutdown
BR1(config-if)#no shu
BR1(config-if)#no shutdown

BR1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up
int g0/0/0
BR1(config-if)#int g0/0/0
BR1(config-if)#ip ad
BR1(config-if)#ip address 192.168.33.249 255.255.255.252
BR1(config-if)#desc
BR1(config-if)#description BR1-BR2 LINK
BR1(config-if)#no sh
BR1(config-if)#no shutdown

BR1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up
```

Lalu kita copy running untuk startup config

```
BR1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

BR1(config-if)#exit
BR1(config)#exit
BR1#
%SYS-5-CONFIG_I: Configured from console by console

BR1#copy ru
BR1#copy running-config st
BR1#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
BR1#
```

Setelah itu kita sama melakukan konfigurasi untuk Router BR2 nya namun pengalamatanya berbeda

```
Router>enable
Router#conf
Router#configure ter
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#enab
Router(config)#enable se
Router(config)#enable secret c
Router(config)#enable secret cla
Router(config)#enable secret class
Router(config)#line console 0
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#line vty 0 15
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#exit
Router(config)#servi
Router(config)#service  pass
Router(config)#service  password-encryption
Router(config)#banner mtod &Unauthorized access is prohibited!&
                          ^
% Invalid input detected at '^' marker.

Router(config)#banner motd &Unauthorized access is prohibited!&
Router(config)#int g0/0/0
Router(config-if)#ip add
Router(config-if)#ip address 192.168.33.250 255.255.255.252
Router(config-if)#desc
Router(config-if)#description BR1-BR2 LINK
Router(config-if)#no sh
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up

Router(config-if)#int g0/0/1
```

```
Router(config-if)#ip add
Router(config-if)#ip address 192.168.33.193 255.255.255.224
Router(config-if)#desc
Router(config-if)#description BR2 LAN
Router(config-if)#no shu
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up
exit
Router(config)#ex
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#copy
Router#copy runn
Router#copy running-config star
Router#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Router#
```

Lupa kasih hostname

```
Router#conf
Router#configure ter
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname BR2
BR2(config)#
```

Sudah semua untuk tasknya