

Nama : Febrianto Ridwam Syah

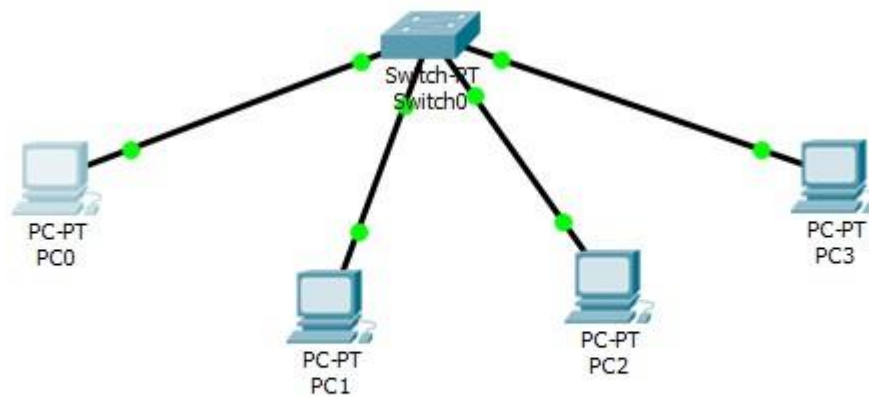
NIM : L200170121

Kelas : C

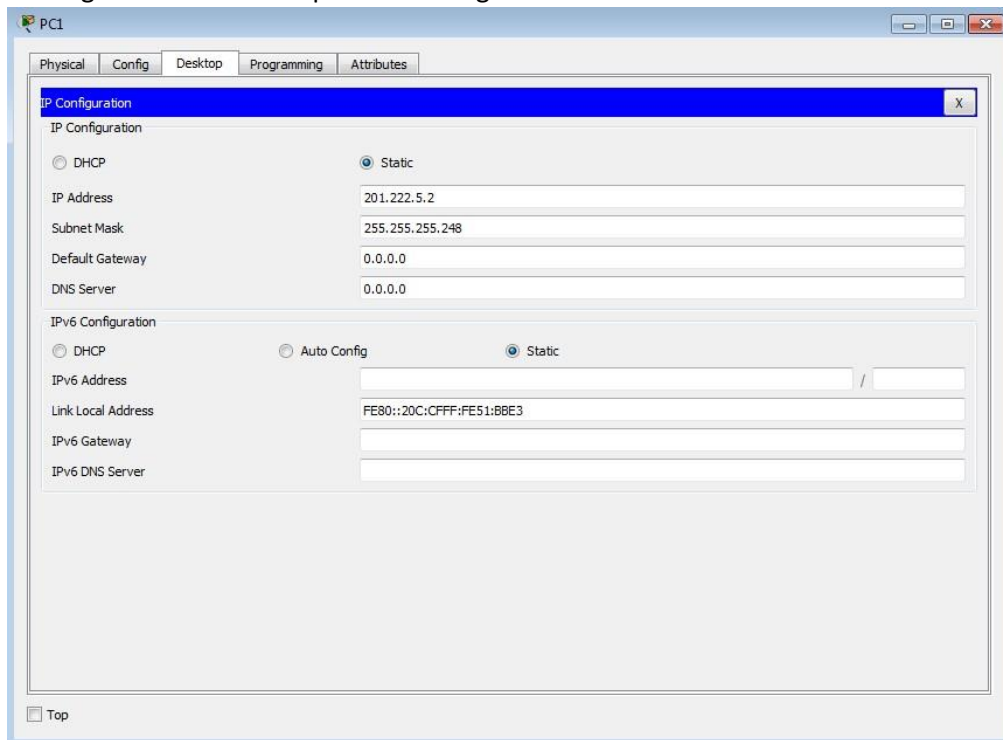
Modul : 3

SUBNETTING

1. merakit 1 switch dan 4 unit PC yang saling terhubung seperti gambar dibawah.



2. Pengaturan IP Address pada PC1 dengan IP Address 201.222.5.2



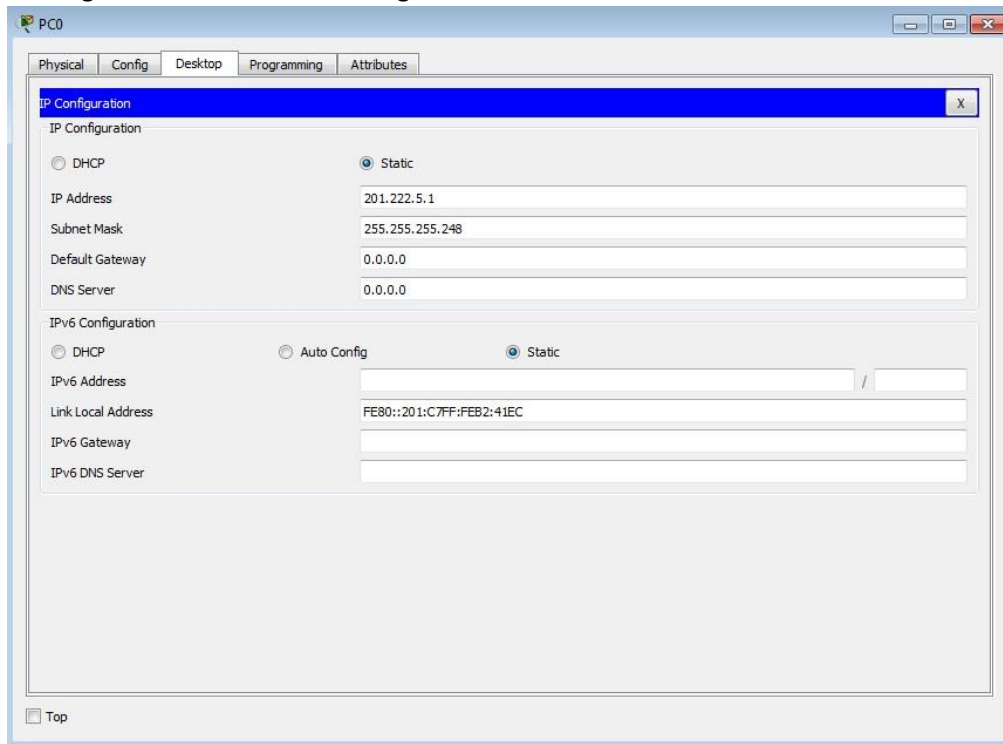
The screenshot shows the configuration window for PC1. The 'Config' tab is selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Configuration	Static
IP Address	201.222.5.2
Subnet Mask	255.255.255.248
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, showing the following settings:

Field	Value
IPv6 Configuration	Static
IPv6 Address	
Link Local Address	FE80::20C:CFFF:FE51:B8E3
IPv6 Gateway	
IPv6 DNS Server	

3. Pengaturan IP Address PC0 dengan IP Address 201.222.5.1



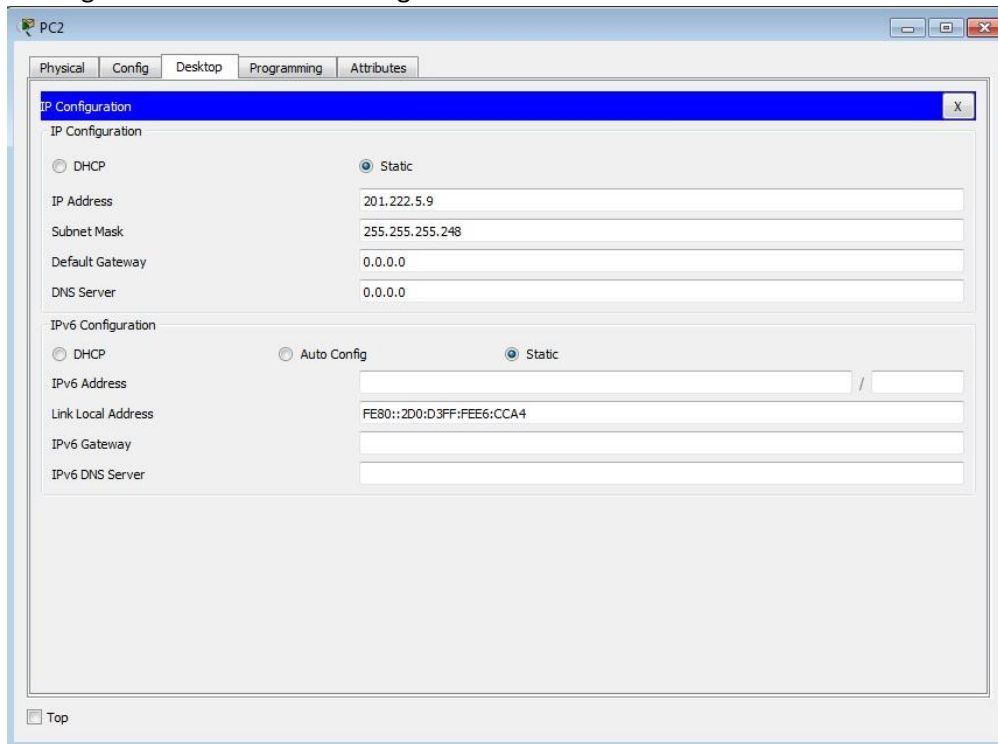
The screenshot shows the configuration window for PC0. The 'Config' tab is selected. The 'IP Configuration' section is active, showing the following settings:

Field	Value
IP Configuration	Static
IP Address	201.222.5.1
Subnet Mask	255.255.255.248
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section is also visible, showing the following settings:

Field	Value
IPv6 Configuration	Static
IPv6 Address	
Link Local Address	FE80::201:C7FF:FEB2:41EC
IPv6 Gateway	
IPv6 DNS Server	

4. Pengaturan IP Address PC2 dengan IP Address 201.222.5.9

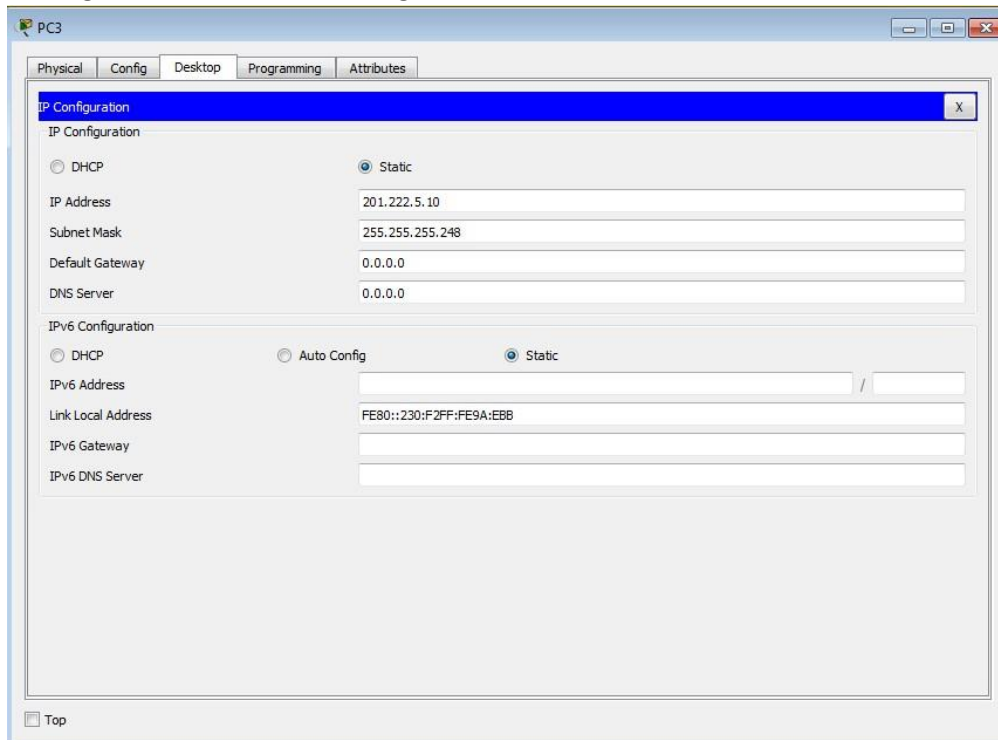


The screenshot shows the configuration window for PC2. The 'Config' tab is selected. The 'IP Configuration' section has the 'Static' radio button selected. The IP Address is set to 201.222.5.9, Subnet Mask to 255.255.255.248, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The 'IPv6 Configuration' section has the 'Static' radio button selected. The IPv6 Address field is empty, Link Local Address is FE80::2D0:D3FF:FE6:CCA4, and the IPv6 Gateway and DNS Server fields are empty.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	201.222.5.9
Subnet Mask	255.255.255.248
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::2D0:D3FF:FE6:CCA4
IPv6 Gateway	
IPv6 DNS Server	

5. Pengaturan IP Address PC3 dengan IP Address 201.222.5.10

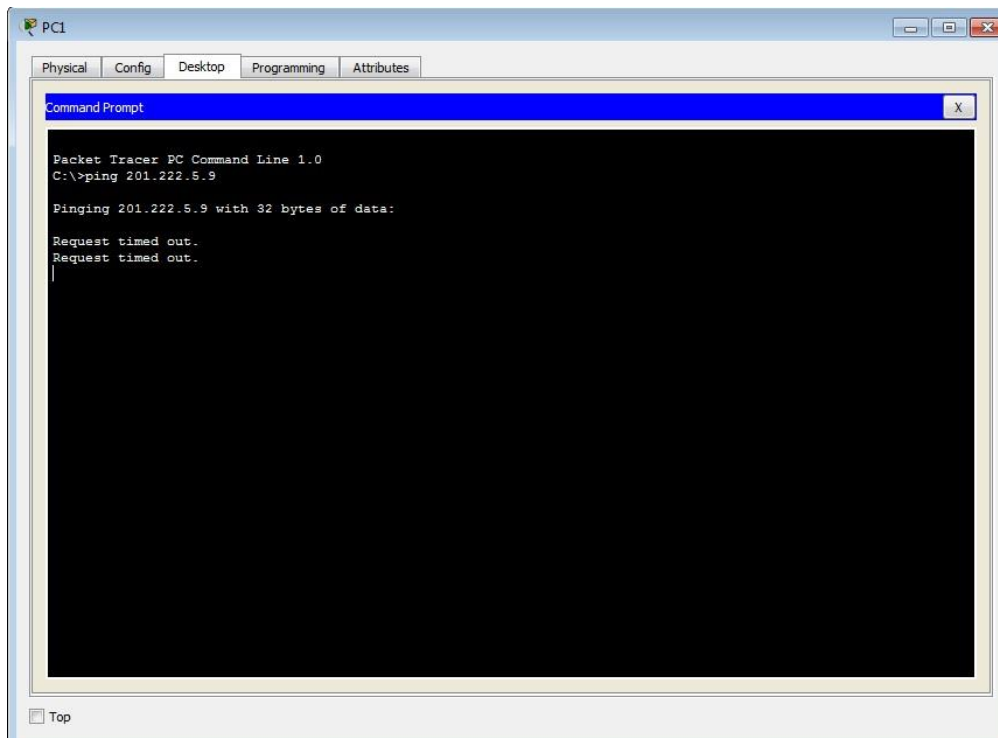
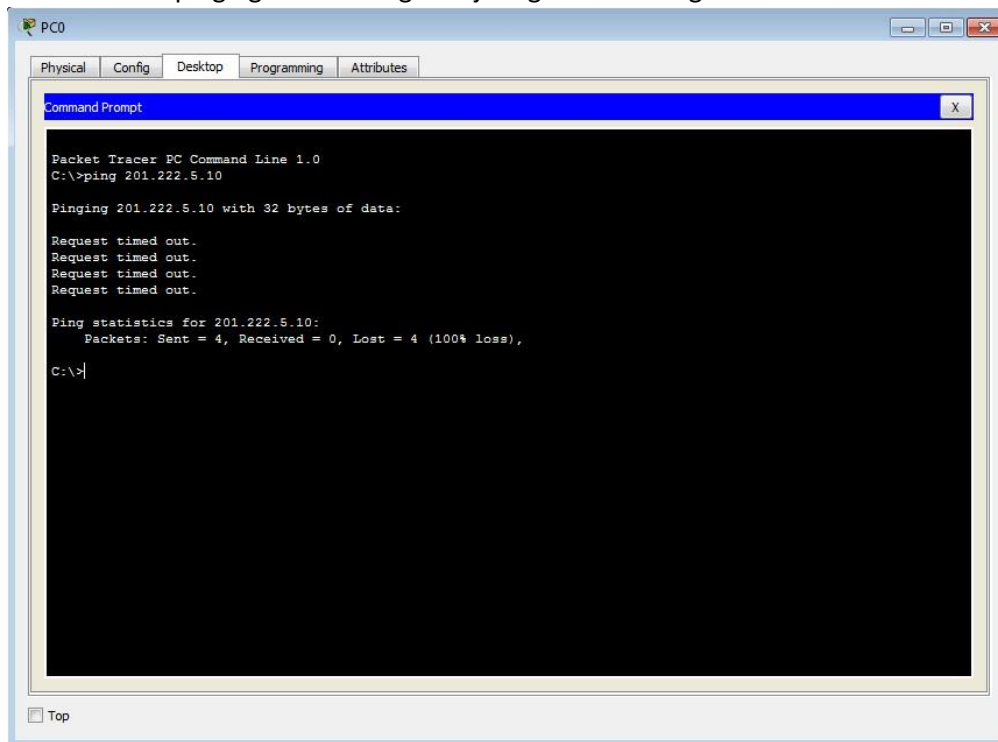


The screenshot shows the configuration window for PC3. The 'Config' tab is selected. The 'IP Configuration' section has the 'Static' radio button selected. The IP Address is set to 201.222.5.10, Subnet Mask to 255.255.255.248, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The 'IPv6 Configuration' section has the 'Static' radio button selected. The IPv6 Address field is empty, Link Local Address is FE80::230:F2FF:FE9A:EBB, and the IPv6 Gateway and DNS Server fields are empty.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	201.222.5.10
Subnet Mask	255.255.255.248
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::230:F2FF:FE9A:EBB
IPv6 Gateway	
IPv6 DNS Server	

6. Melakukan ping untuk mengecek jaringan terhubung atau tidak



- Proses *ping* antara PC1 ke PC3 tidak dapat terhubung karena PC1 dan PC3 berada dalam subnet address yang berbeda, yaitu PC1 berada dalam subnet address 1 dan PC3 berada dalam subnet address 2.
- Proses *ping* antara PC1 ke PC4 tidak dapat terhubung karena PC1 dan PC4 berada dalam subnet address yang berbeda, yaitu PC1 berada dalam subnet address 1 dan PC4 berada dalam subnet address 2.

- Proses *ping* antara PC2 ke PC3 tidak dapat terhubung karena PC2 dan PC3 berada dalam subnet address yang berbeda, yaitu PC2 berada dalam subnet address 1 dan PC3 berada dalam subnet address 2.
- Proses *ping* antara PC2 ke PC4 tidak dapat terhubung karena PC2 dan PC4 berada dalam subnet address yang berbeda, yaitu PC2 berada dalam subnet address 1 dan PC4 berada dalam subnet address 2.