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### Kegiatan Praktikum Modul 3

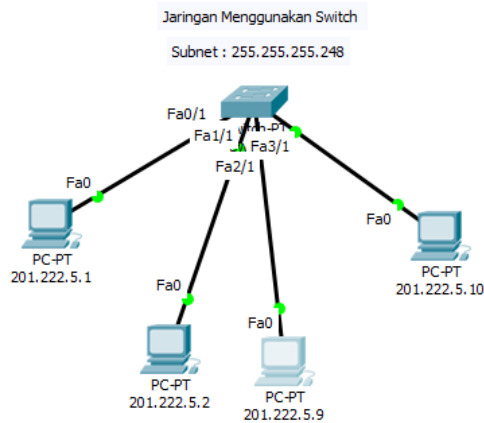
#### Jaringan menggunakan switch dengan subnet :255.255.255.248

##### 1. Desain dan konfigurasi subnetting

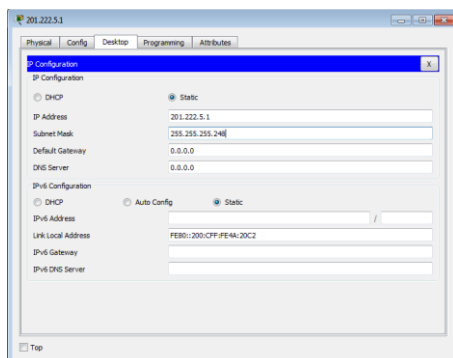
- Menggunakan switch generic
- Device host 4 PC
- Setting IP dengan konfigurasi sesuai gambar di modul

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- IP PC 1



## - IP PC 2

The screenshot shows the 'IP Configuration' window for PC 2. The 'Static' radio button is selected under 'IP Configuration'. The IP Address is 201.222.5.2, Subnet Mask is 255.255.255.240, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. A warning message states: 'This address is already used in the network.' The 'IPv6 Configuration' section shows 'Static' selected, with an empty IPv6 Address field, Link Local Address FE80::260:2FFF:FE63:EB67, and empty fields for IPv6 Gateway and IPv6 DNS Server.

Field	Value
IP Address	201.222.5.2
Subnet Mask	255.255.255.240
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Address	
Link Local Address	FE80::260:2FFF:FE63:EB67
IPv6 Gateway	
IPv6 DNS Server	

## - IP PC 3

The screenshot shows the 'IP Configuration' window for PC 3. The 'Static' radio button is selected under 'IP Configuration'. The IP Address is 201.222.5.9, Subnet Mask is 255.255.255.240, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. The 'IPv6 Configuration' section shows 'Static' selected, with an empty IPv6 Address field, Link Local Address FE80::2E0:A3FF:FE33:B06C, and empty fields for IPv6 Gateway and IPv6 DNS Server.

Field	Value
IP Address	201.222.5.9
Subnet Mask	255.255.255.240
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Address	
Link Local Address	FE80::2E0:A3FF:FE33:B06C
IPv6 Gateway	
IPv6 DNS Server	

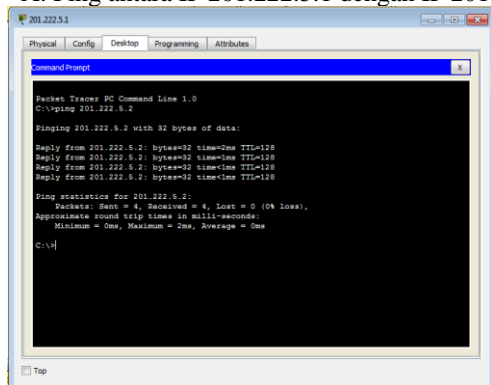
## - IP PC 4

The screenshot shows the 'IP Configuration' window for PC 4. The 'Static' radio button is selected under 'IP Configuration'. The IP Address is 201.222.5.10, Subnet Mask is 255.255.255.240, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. The 'IPv6 Configuration' section shows 'Static' selected, with an empty IPv6 Address field, Link Local Address FE80::2E0:A3FF:FE64:999A, and empty fields for IPv6 Gateway and IPv6 DNS Server.

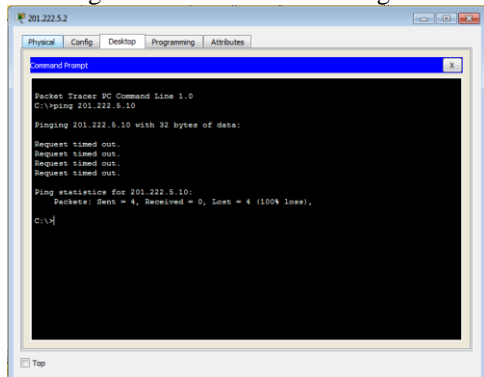
Field	Value
IP Address	201.222.5.10
Subnet Mask	255.255.255.240
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Address	
Link Local Address	FE80::2E0:A3FF:FE64:999A
IPv6 Gateway	
IPv6 DNS Server	

## 2. Uji Koneksi jaringan

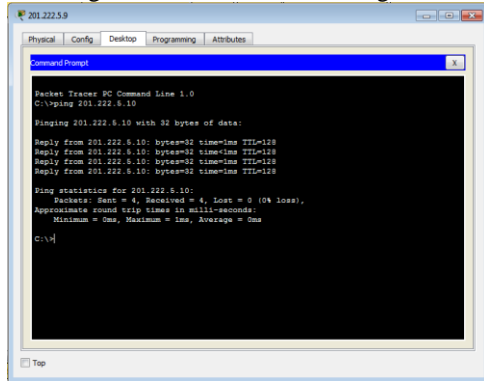
- A. Ping antara IP 201.222.5.1 dengan IP 201.222.5.2



- B. Ping antara IP 201.222.5.2 dengan IP 201.222.5.10



- C. Ping antara IP 201.222.5.9 dengan IP 201.222.5.10



### 3. Kesimpulan Kegiatan

- Uji Koneksi pada A & C menunjukkan hasil reply pada koneksi (TTL) , dikarenakan keduanya berada pada network yang sama

- Uji Koneksi pada B menunjukkan hasil reply pada koneksi ( Timed Out ) , dikarenakan keduanya berada network yang berbeda. IP 201.222.5.2 merupakan host dari network 201.222.5.0 dan IP 201.222.5.10 merupakan host dari network 201.222.5.8