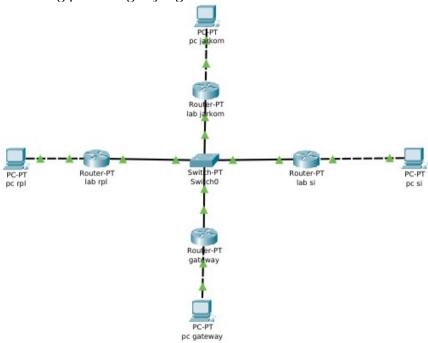
Nama : Gentur Waskita NIM : L200170085

Kelas : D Modu : 11

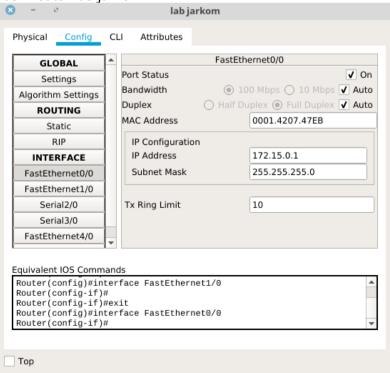
## Kegiatan Praktikum

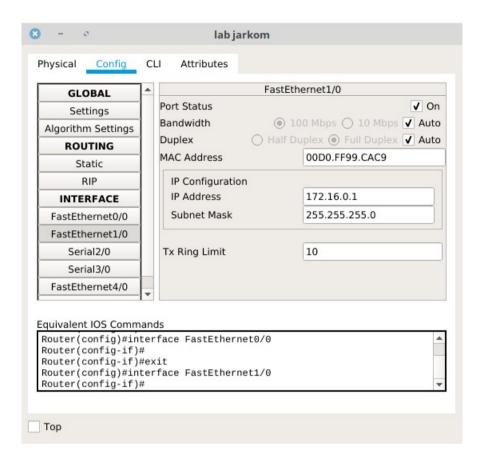
1. Studi kasus tentang perancangan jarigan laboratorium sederhana.



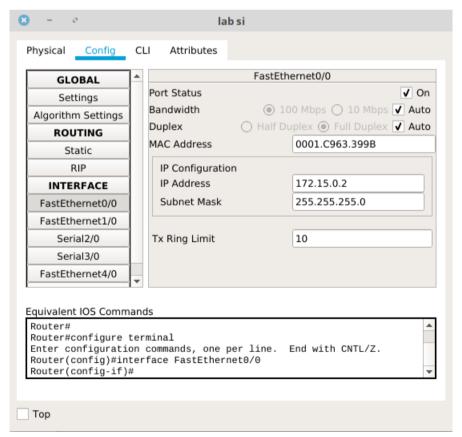
Struktur topologi terdiri dari 1 Switch, 4 Router, dan 4 PC pada masing-masing lab.

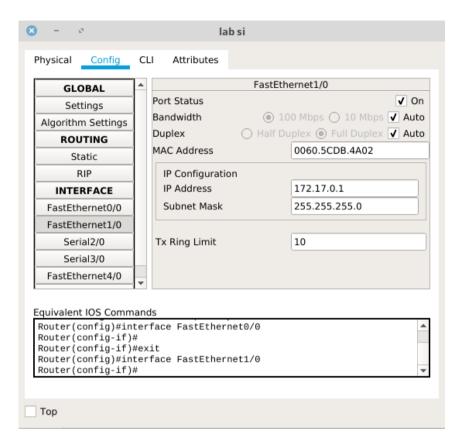
- 2. Konfigurasi semua router yang ada.
  - a) Konfigurasi Router lab jarkom



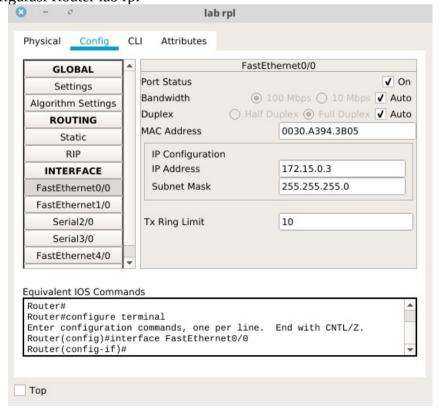


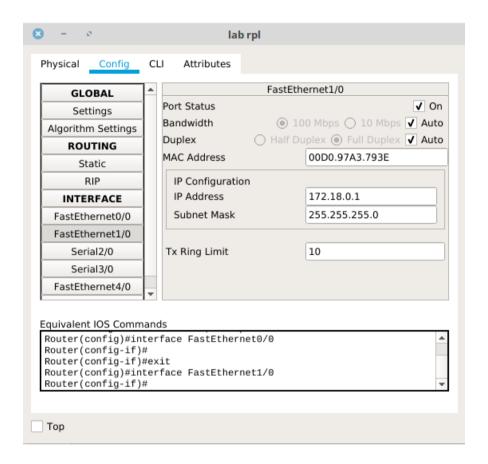
## b) Konfigurasi Router lab si





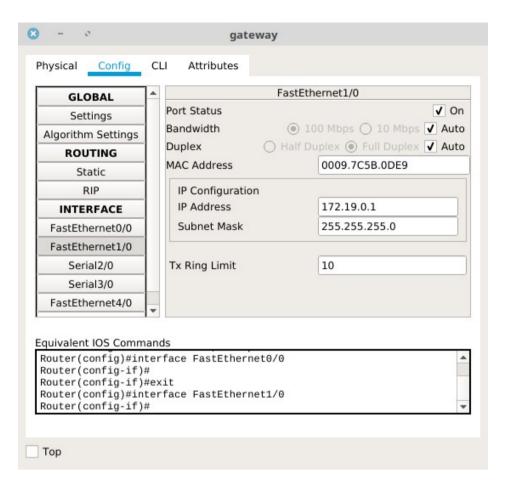
c) Konfigurasi Router lab rpl





d) Konfigurasi router gateway



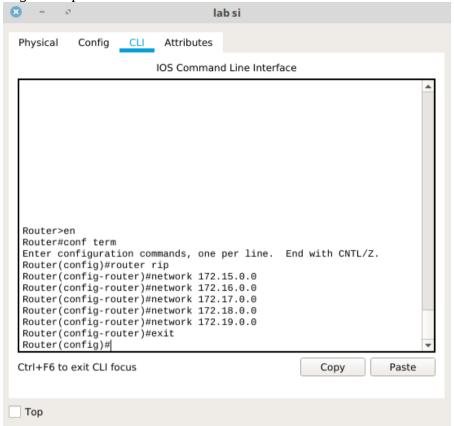


3. Konfigurasi Routing Table pada masing-masing router Menggunakan metode Routing Dinamis yaitu *RIP Routing*.

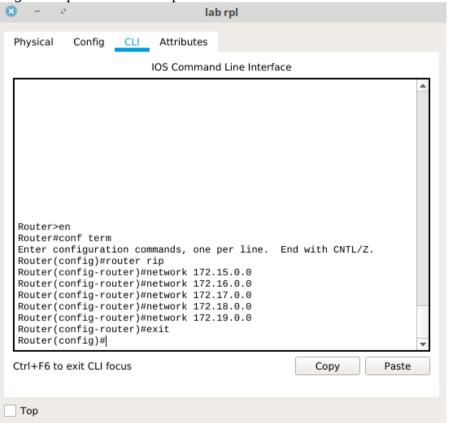
a) Routing Table pada router lab jarkom



b) Routing Table pada router lab si



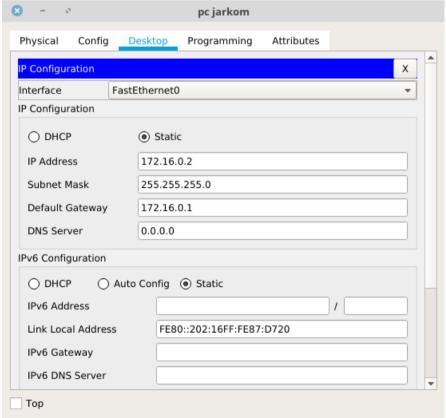
c) Routing Table pada router lab rpl



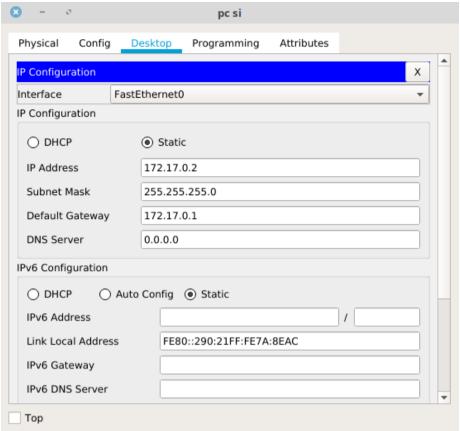
d) Routing Table pada router lab gateway



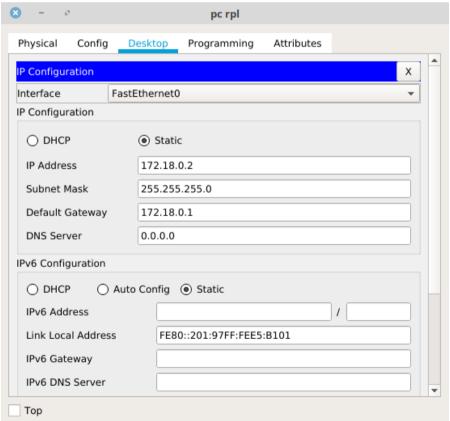
- 4. Selanjutnya ialah mengkonfigurasi IP Address pada masing-masing PC.
  - a) PC lab Jarkom



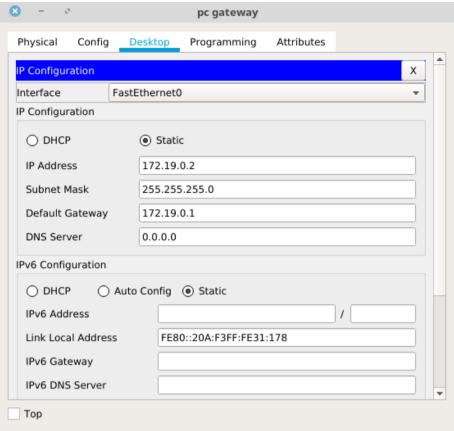
## b) PC lab SI



## c) PC lab RPL



d) PC admin



5. Setelah konfigurasi selesai, pengujian *ping* untuk test koneksi. *Ping* dilakukan dari PC Admin

a) ping ke PC Jarkom

```
C:\>ping 172.16.0.2
Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=14ms TTL=126
Reply from 172.16.0.2: bytes=32 time=13ms TTL=126
Reply from 172.16.0.2: bytes=32 time=21ms TTL=126
Reply from 172.16.0.2: bytes=32 time=21ms TTL=126
Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 12ms, Maximum = 21ms, Average = 15ms
C:\>
```

b) ping ke PC SI

```
C:\>ping 172.17.0.2

Pinging 172.17.0.2 with 32 bytes of data:

Reply from 172.17.0.2: bytes=32 time=2ms TTL=126
Reply from 172.17.0.2: bytes=32 time=12ms TTL=126
Reply from 172.17.0.2: bytes=32 time=13ms TTL=126
Reply from 172.17.0.2: bytes=32 time=14ms TTL=126

Ping statistics for 172.17.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 14ms, Average = 10ms

C:\>
```

c) ping ke PC RPL

```
C:\>ping 172.18.0.2

Pinging 172.18.0.2 with 32 bytes of data:

Reply from 172.18.0.2: bytes=32 time=3ms TTL=126
Reply from 172.18.0.2: bytes=32 time=4ms TTL=126
Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
Reply from 172.18.0.2: bytes=32 time=12ms TTL=126

Ping statistics for 172.18.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 12ms, Average = 4ms

C:\>
```

Dari pengujian ke PC masing-masing lab dari pc admin hasilnya sukses. Metode Routing Table yang digunakan ialah RIP (Routing Dinamis).