Nama : Timo Arif

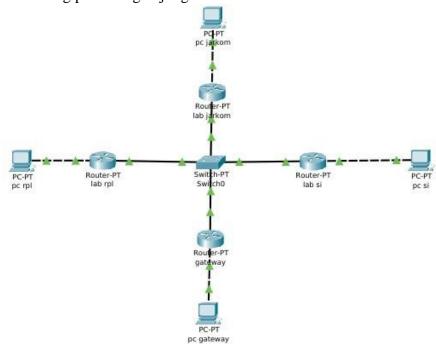
Priyanto

NIM :L200170131

Kelas :C Modul :11

Kegiatan Praktikum

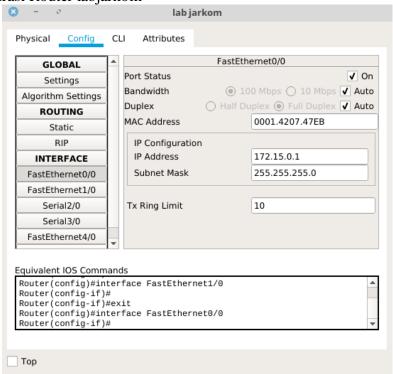
1. Studi kasus tentang perancangan jarigan laboratoriumsederhana.

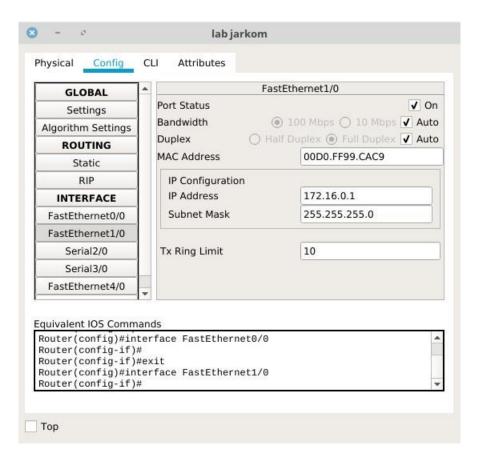


Struktur topologi terdiri dari 1 Switch, 4 Router, dan 4 PC pada masing-masing lab.

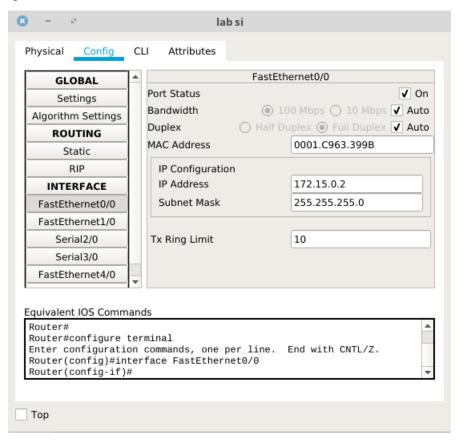
2. Konfigurasi semua router yangada.

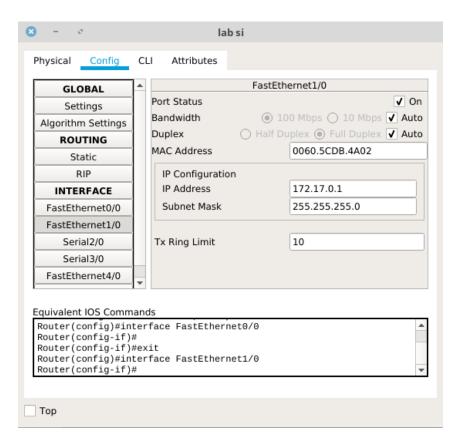
a) Konfigurasi Router labjarkom





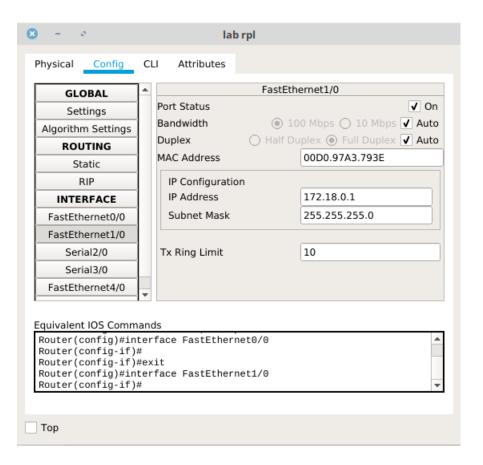
b) Konfigurasi Router labsi



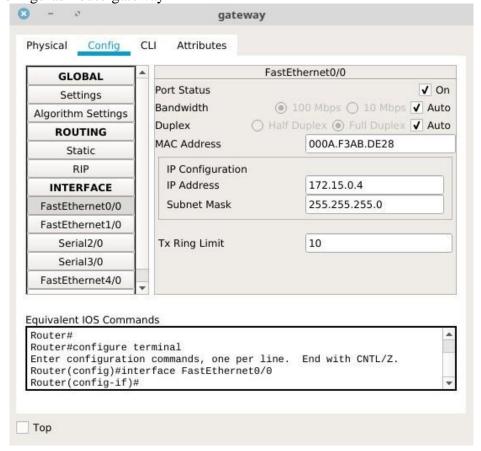


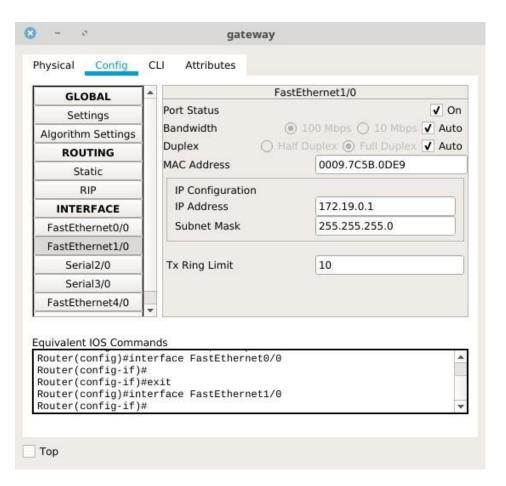
c) Konfigurasi Router labrpl





d) Konfigurasi routergateway



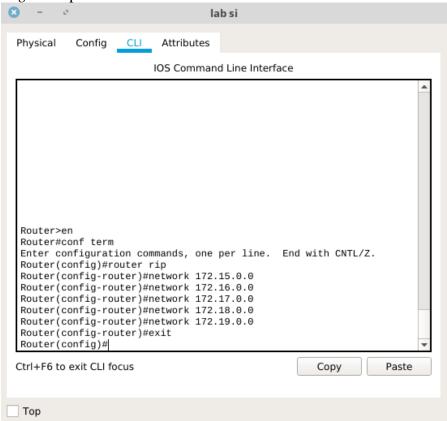


3. Konfigurasi Routing Table pada masing-masing router Menggunakan metode Routing Dinamis yaitu *RIPRouting*.

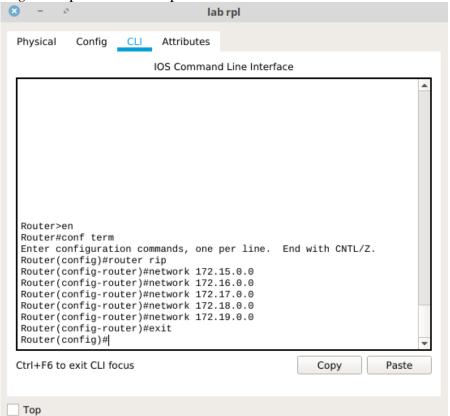
a) Routing Table pada router labjarkom



b) Routing Table pada router labsi



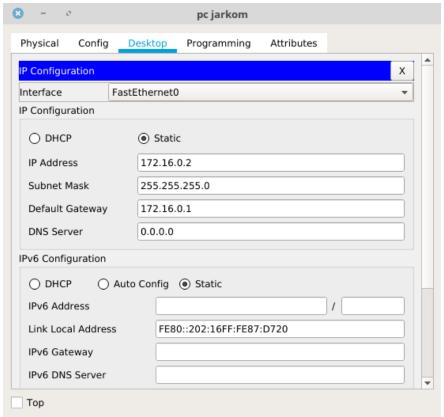
c) Routing Table pada router labrpl



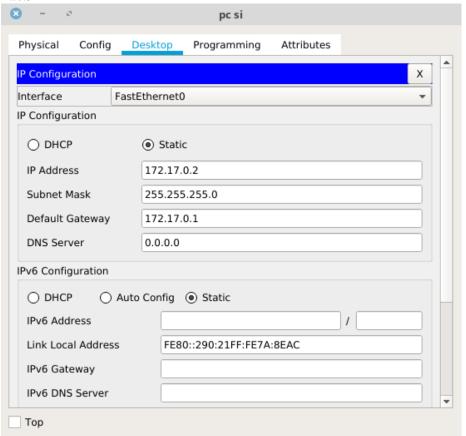
d) Routing Table pada router labgateway



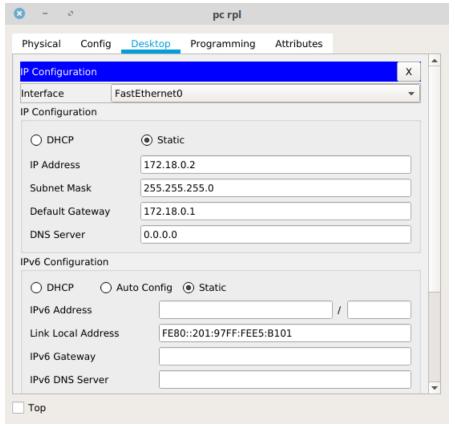
- 4. Selanjutnya ialah mengkonfigurasi IP Address pada masing-masingPC.
 - a) PC labJarkom



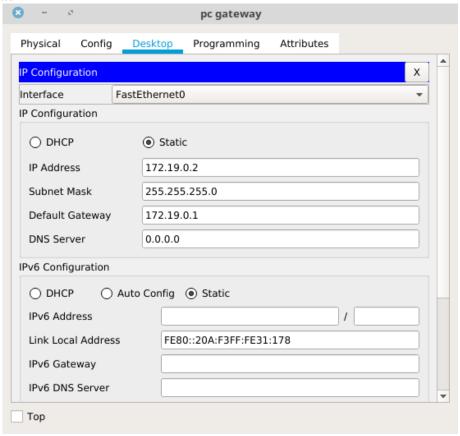
b) PC labSI



c) PC labRPL



d) PCadmin



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

a) ping ke PCJarkom

```
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=12ms 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 PCSI

```
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 PCRPL

```
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</pre>
C:\>
```

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