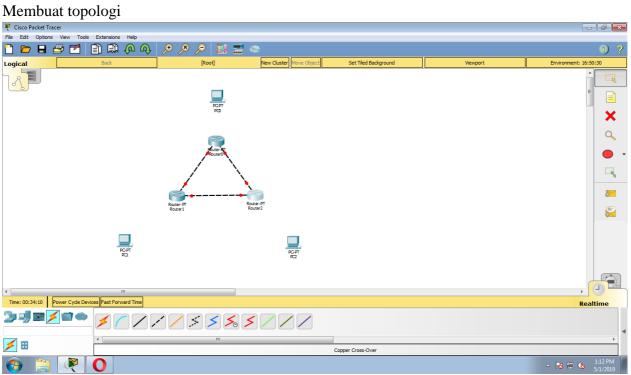
# LAPORAN PRAKTIKUM JARIKOM KOMPUTER **MODUL 7**

Nama: Ilham Athur Bayu W

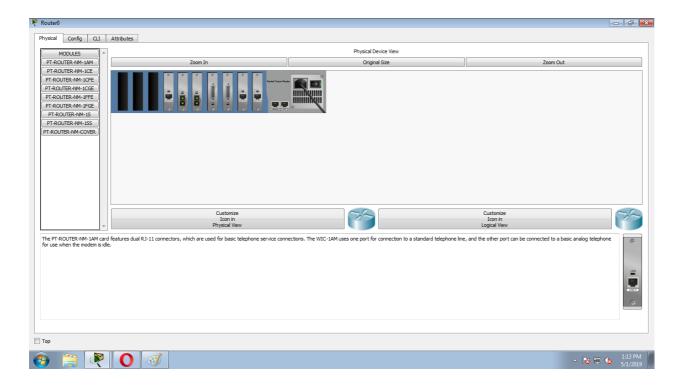
NIM : L200170023

Kelas: A

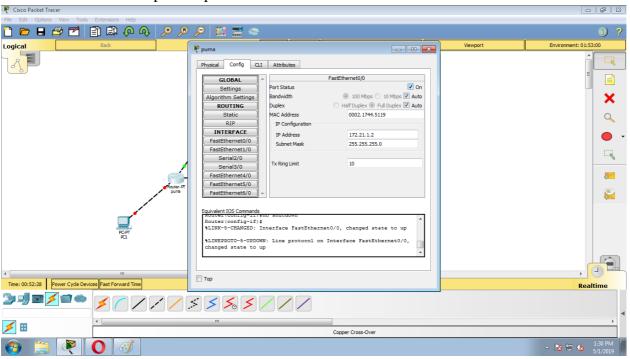
## Kegiatan 1



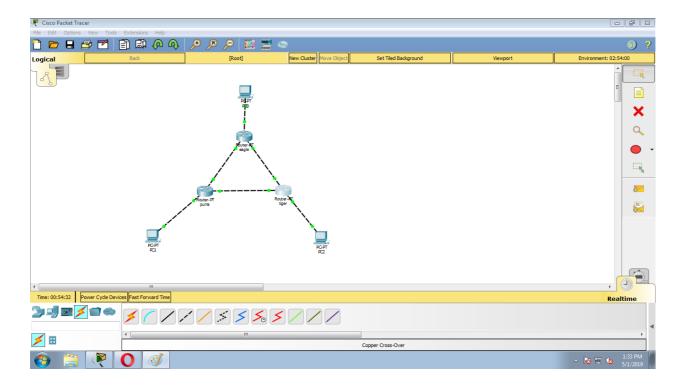
Menambahkan switch pada tiap router



Memasukan IP address pada tiap router



Menyambungkan router dengan PC



Pengujian kesesuain konfigurasi

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\~ping 172.21.1.1 with 32 bytes of data:

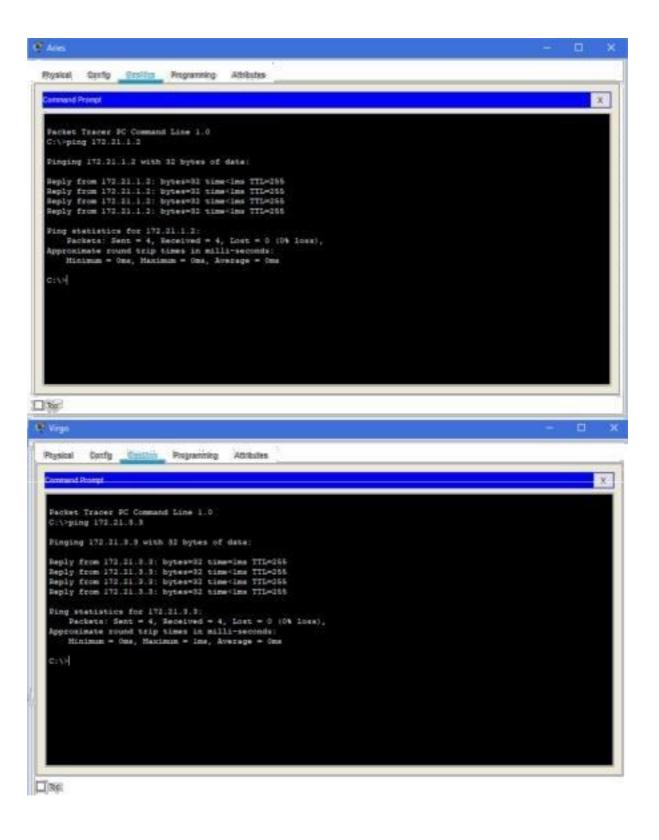
Reply from 172.21.1.1: bytes=32 time=lms TTL=255
Reply from 172.21.1.1: bytes=32 time<lms TTL=255

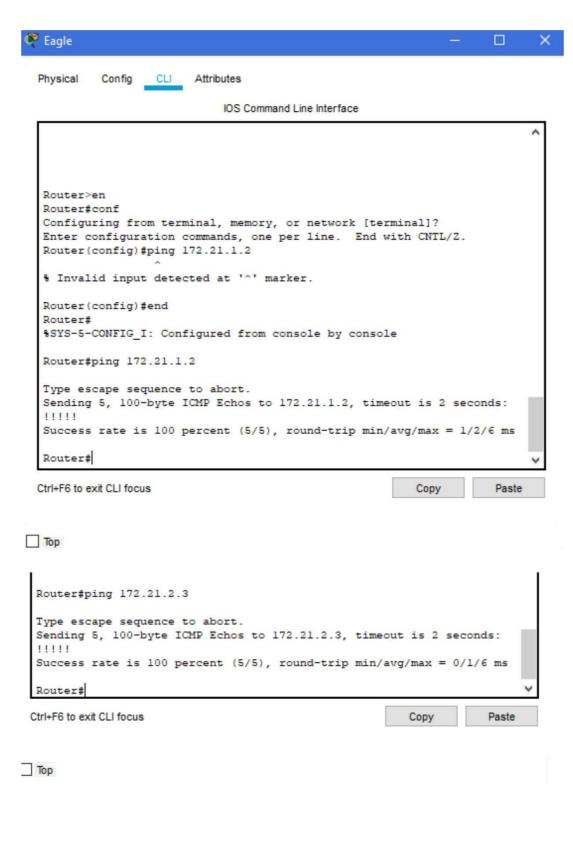
Ping statistics for 172.21.1.1:

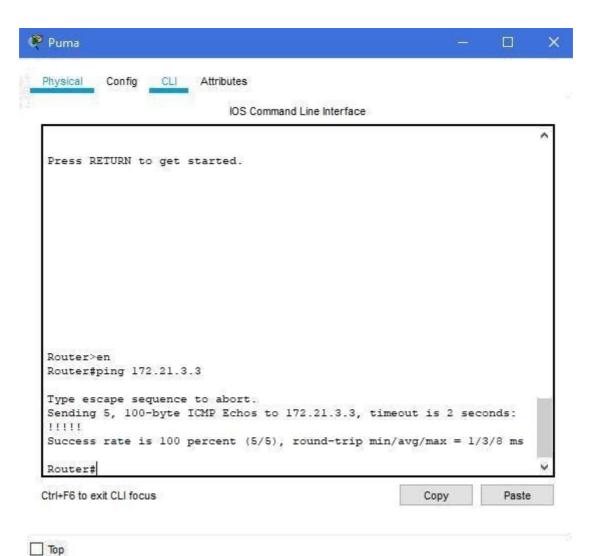
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Ims, Average = Oms

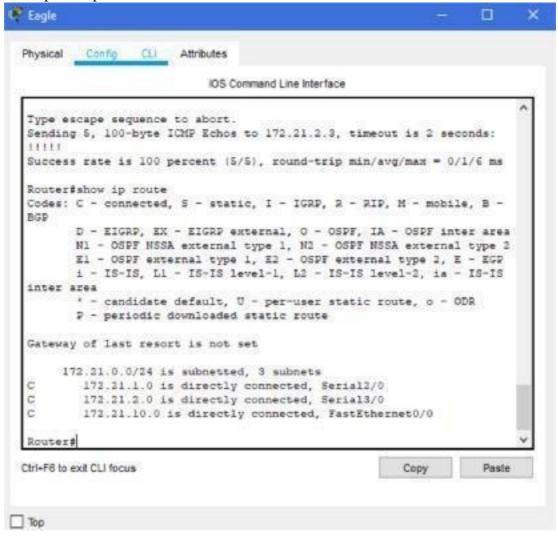
C:\~|
```







Menampilkan ip route





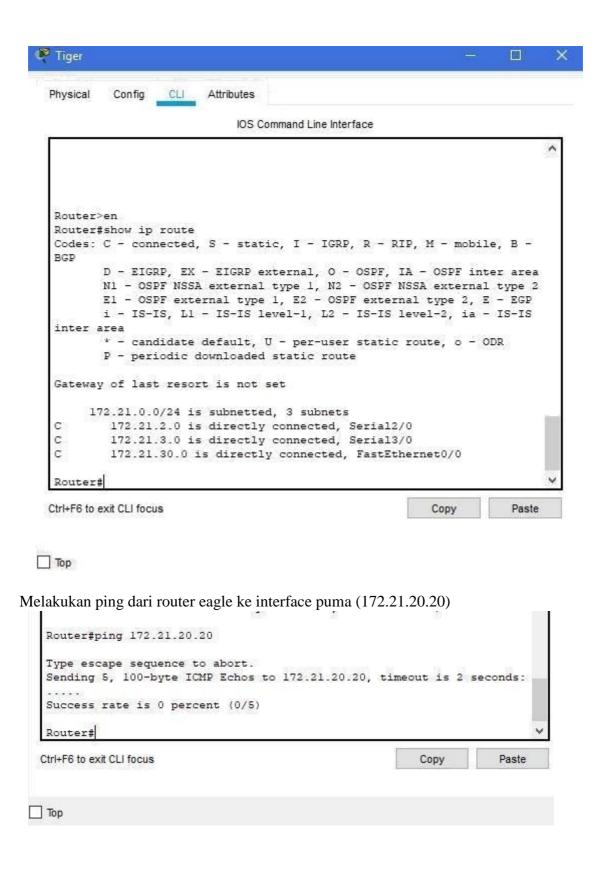
11111 Success rate is 100 percent (5/5), round-trip min/avg/max = 1/3/8 ms Router#show ip route Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B -D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2 E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area \* - candidate default, U - per-user static route, o - ODR P - periodic downloaded static route Gateway of last resort is not set 172.21.0.0/24 is subnetted, 3 subnets 172.21.1.0 is directly connected, Serial2/0 172.21.3.0 is directly connected, Serial3/0 C C 172.21.20.0 is directly connected, FastEthernet0/0 Router#

Ctrl+F6 to exit CLI focus

Тор

Copy

Paste

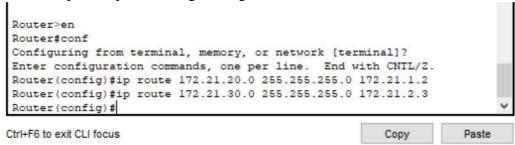


#### Trace PC leo ke PC aries

```
C:\>tracert 172.21.20.2
  Tracing route to 172.21.20.2 over a maximum of 30 hops:
        131 ms
                  0 ms
                            0 ms
                                      172.21.10.10
                                     172.21.10.10
    2
        0 ms
                  *
                            52 ms
                  0 ms
    3
                                      Request timed out.
    4
        0 ms
                            13 ms
                                      172.21.10.10
                  0 ms
                                      Request timed out.
                                      172.21.10.10
    6
        0 ms
                            0 ms
  Control-C
   ^C
  C:\>
Тор
```

## Trace dari PC leo ke router eagle (172.21.1.1)

### Melakukan ip route pada masing masing router



Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/2.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.3
Router(config)#

Ctrl+F6 to exit CLI focus

Copy
Paste

```
Router tonf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) proute 172.21.10.0 255.255.255.0 172.21.2.1
Router(config) proute 172.21.20.0 255.255.255.0 172.21.3.2
Router(config) Copy

Ctrl+F6 to exit CLI focus

Top
```

Ping PC leo ke PC aries dan tracer PC leo ke PC aries

```
C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Request timed out.

Reply from 172.21.20.2: bytes=32 time=130ms TTL=126

Reply from 172.21.20.2: bytes=32 time=15ms TTL=126

Reply from 172.21.20.2: bytes=32 time=lms TTL=126

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

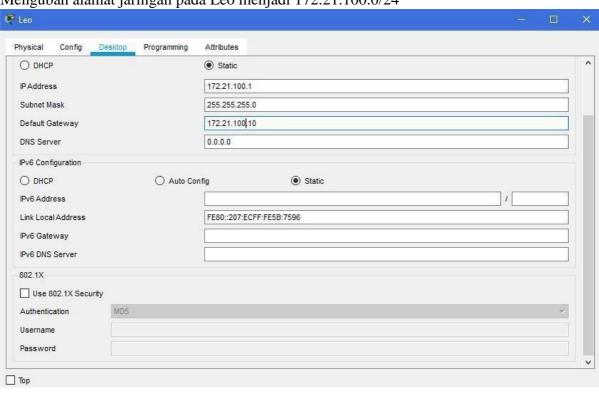
Approximate round trip times in milli-seconds:

Minimum = lms, Maximum = 130ms, Average = 48ms

C:\>
```

```
C:\>tracert 172.21.20.2
  Tracing route to 172.21.20.2 over a maximum of 30 hops:
       0 ms
                  0 ms
                            0 ms
                                      172.21.10.10
        1 ms
                  1 ms
                                      172.21.1.2
    2
                            4 ms
                  13 ms
                                      172.21.20.2
        0 ms
                            0 ms
  Trace complete.
  C:\>
Top
```

Mengubah alamat jaringan pada Leo menjadi 172.21.100.0/24

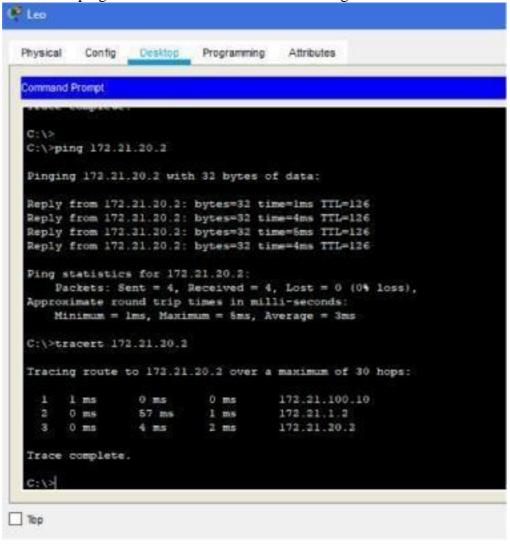


## Konfigurasi ip baru pada router eagle

Router#en Router#conf Configuring from terminal, memory,	or network	[tarminall2
Enter configuration commands, one p Router(config) #int fa 0/0 Router(config-if) #ip address 172.21 Router(config-if) #no shutdown	er line. Er	nd with CNTL/Z.
Router(config-if)#		
Ctrl+F6 to exit CLI focus		Сору

1. Menambahkan konfigurasi ip route baru pada router puma dan tiger Router>en Router#conf Configuring from terminal, memory, or network [terminal]? Enter configuration commands, one per line. End with CNTL/Z. Router(config) #ip route 172.21.100.0 255.255.255.0 172.21.1.1 Router(config) # Ctrl+F6 to exit CLI focus Copy Paste Тор Router>en Router#conf Configuring from terminal, memory, or network [terminal]? Enter configuration commands, one per line. End with CNTL/Z. Router(config) #ip route 172.21.100.0 255.255.255.0 172.21.2.1 Router (config) # Ctrl+F6 to exit CLI focus Сору Paste Top

2. Melakukan ping dan tracer dari Leo ke Aries dan Virgo



```
Leo
  Physical
               Config
                           Desktop Programming
                                                           Attributes
   Command Prompt
   Trace complete.
   C:\>ping 172.21.30.3
   Pinging 172.21.30.3 with 32 bytes of data:
   Reply from 172.21.30.3: bytes=32 time=2ms TTL=126
   Reply from 172.21.30.3: bytes=32 time=1ms TTL=126
Reply from 172.21.30.3: bytes=32 time=1ms TTL=126
Reply from 172.21.30.3: bytes=32 time=1ms TTL=126
   Ping statistics for 172.21.30.3:

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

Minimum = lms, Maximum = 2ms, Average = lms
   C:\>tracert 172.21.30.3
   Tracing route to 172.21.30.3 over a maximum of 30 hops:
                                                      172.21.100.10
172.21.2.3
      1 0 ms
                          56 ms
                                       0 ms
                                         0 ms
            1 ms
                           1 ms
          12 ms
                           3 ms
                                                        172.21.30.3
   Trace complete.
Тор
```