### LAPORAN TUGAS SOAL UAS

Diajukan untuk Memenuhi Tugas Mata Kuliah "Konsep Jaringan"

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Oleh:

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D4 Teknik Informatika Departemen Teknik Informatika dan Komputer Politeknik Elektronika Negeri Surabaya

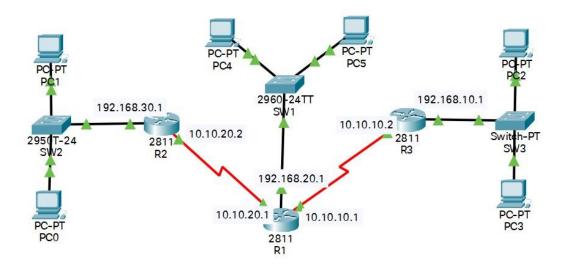
## **Soal UAS Semester Gasal**

# • Repository Github:

GITHUB PENGUMPULAN

### Praktikum Konsep Jaringan

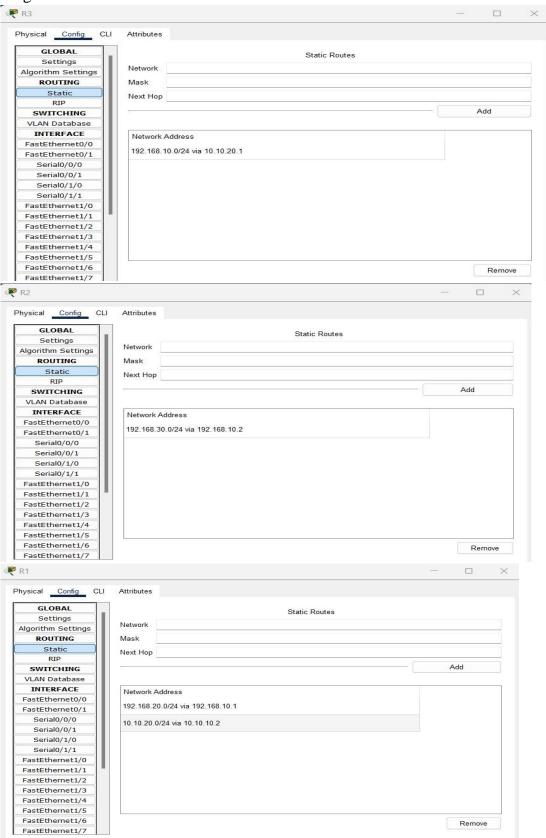
#### Soal 1

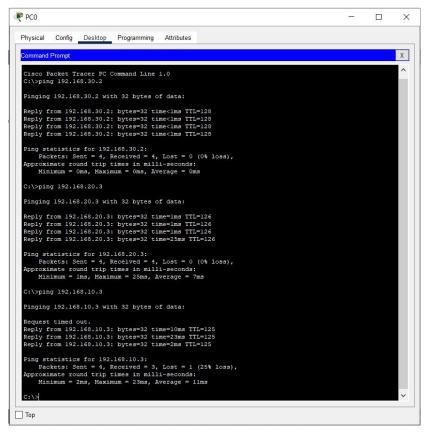


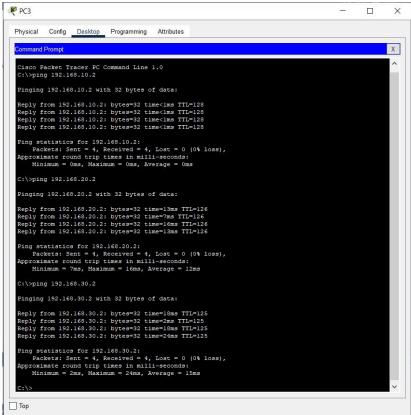
Konfigurasikan tabel routing pada R1, R2 dan R3 dengan menggunakan statik routing sehungga seluruh PC yang ada dapat terhubung dengan baik.

#### Jawaban:

### Ping antar device:

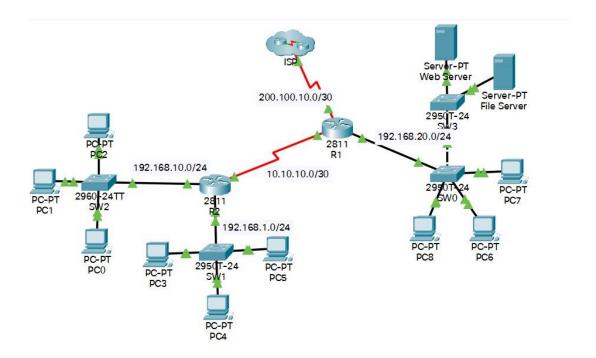






```
PC5
                                                                                                                                     X
 Physical
             Config Desktop Programming Attributes
  Command Prompt
                                                                                                                                              Χ
   Cisco Packet Tracer PC Command Line 1.0
  C:\>ping 192.168.20.3
  Pinging 192.168.20.3 with 32 bytes of data:
  Reply from 192.168.20.3: bytes=32 time<1ms TTL=128 Reply from 192.168.20.3: bytes=32 time=25ms TTL=128 Reply from 192.168.20.3: bytes=32 time<1ms TTL=128
  Reply from 192.168.20.3: bytes=32 time<1ms TTL=128
  Ping statistics for 192.168.20.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = 25ms, Average = 6ms
  C:\>ping 192.168.30.3
  Pinging 192.168.30.3 with 32 bytes of data:
  Reply from 192.168.30.3: bytes=32 time=1ms TTL=126
  Reply from 192.168.30.3: bytes=32 time=lms TTL=126
Reply from 192.168.30.3: bytes=32 time=2ms TTL=126
  Reply from 192.168.30.3: bytes=32 time=1ms TTL=126
  Ping statistics for 192.168.30.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
        Minimum = lms, Maximum = 2ms, Average = lms
  C:\>ping 192.168.10.3
  Pinging 192.168.10.3 with 32 bytes of data:
  Reply from 192.168.10.3: bytes=32 time=11ms TTL=126 Reply from 192.168.10.3: bytes=32 time=1ms TTL=126 Reply from 192.168.10.3: bytes=32 time=1ms TTL=126 Reply from 192.168.10.3: bytes=32 time=9ms TTL=126
  Ping statistics for 192.168.10.3:
       Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 11ms, Average = 5ms
  C:\>
___ Тор
```

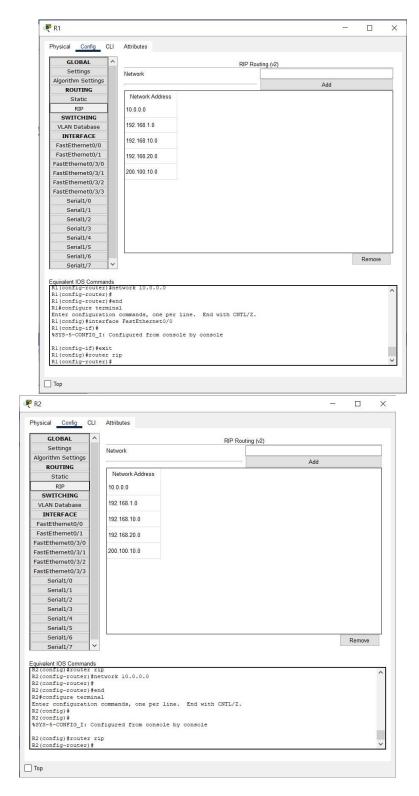
Soal 2



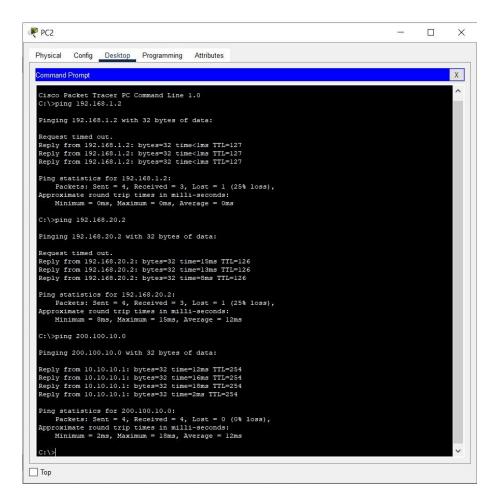
Kofigurasi tabel routing pada R1, R2 dan R3 dengan menggunakan RIP sehingga seluruh PC dapat terhubung ke ISP dengan baik.

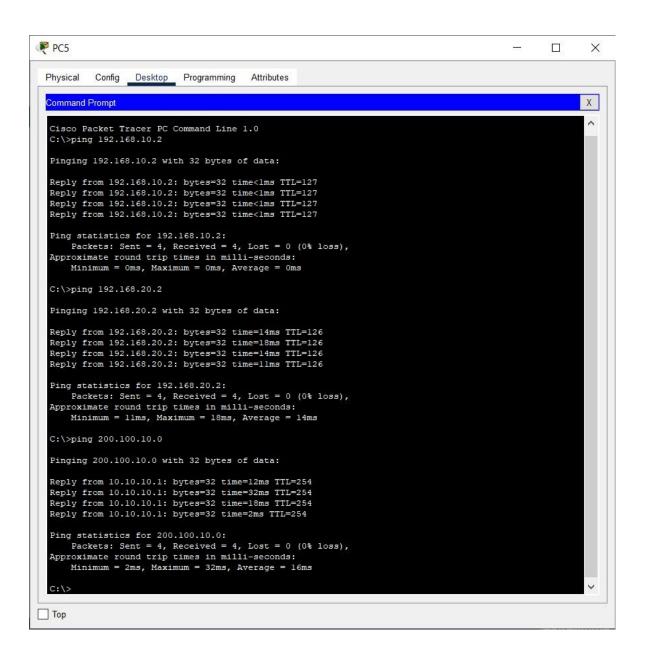
### Jawaban:

Konfigurasi Router:

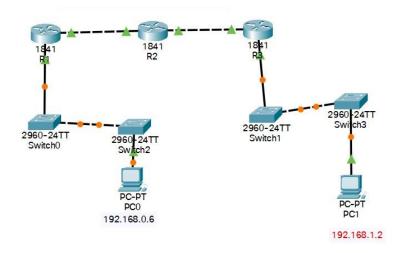


Ping antar device:





Soal 3

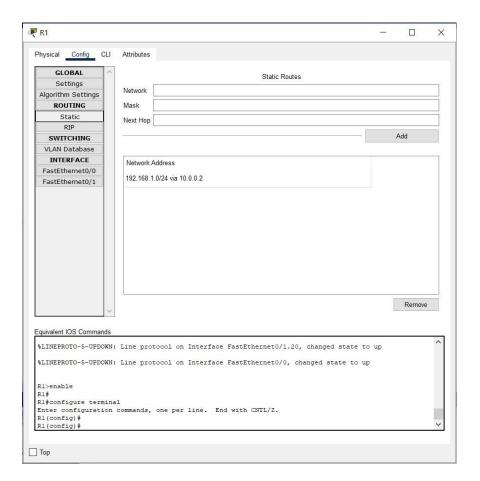


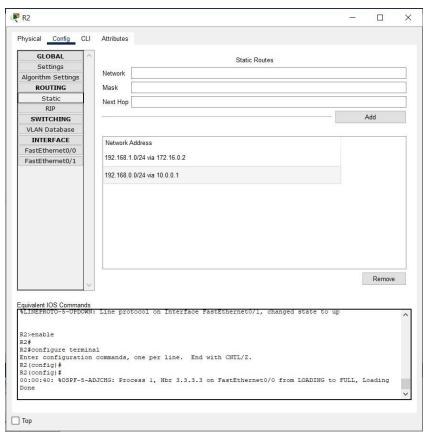
Permasalahan yang harus di selesaikan: PC0 tidak bisa ping ke PC 1!

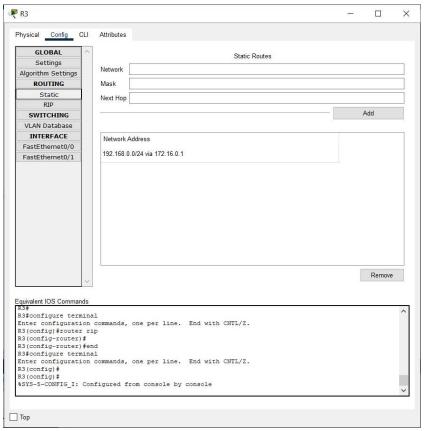
#### Jawaban:

Di sini saya akan menyelesaikan permasalahannya menggunakan Static Routing.

Konfigurasi Router:







#### Ping antar device:

```
PC0
                                                                                                                             X
                                                                                                                    Physical
            Config Desktop Programming
                                               Attributes
  Command Prompt
                                                                                                                           X
  Cisco Packet Tracer PC Command Line 1.0
  C:\>ping 192.168.1.2
  Pinging 192.168.1.2 with 32 bytes of data:
  Request timed out.
  Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
  Reply from 192.168.1.2: bytes=32 time=10ms TTL=125
  Ping statistics for 192.168.1.2:
  Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 10ms, Average = 5ms
```

