LAPORAN PROYEK AKHIR PRAKTIKUM KONSEP JARINGAN



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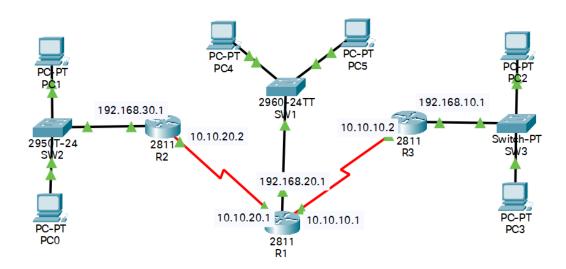
Kelas : 2/D4 Teknik Informatika A

NRP : 3122600010

Laporan Proyek Akhir

Praktikum Konsep Jaringan

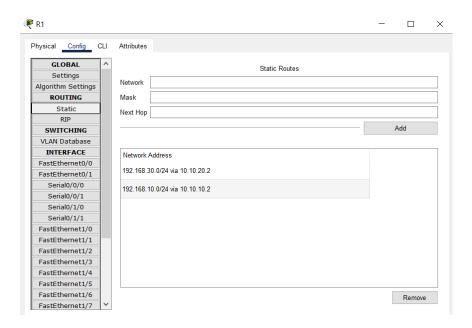
Soal 1

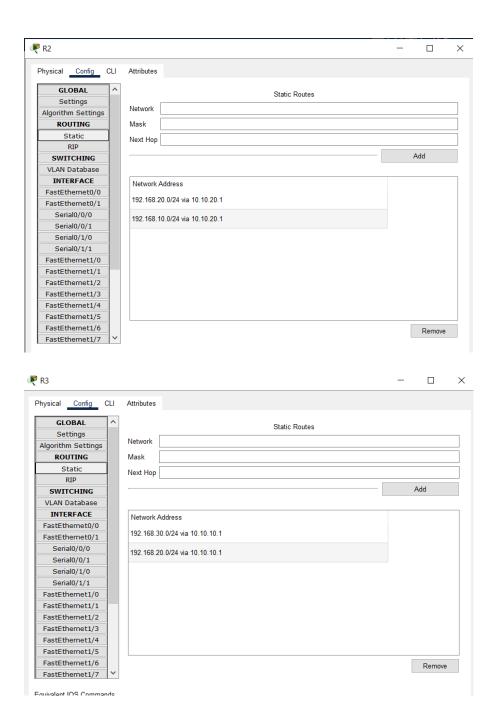


Konfigurasikan tabel routing pada R1, R2 dan R3 dengan menggunakan statik routing sehungga seluruh PC yang ada dapat terhubung dengan baik.

Jawaban:

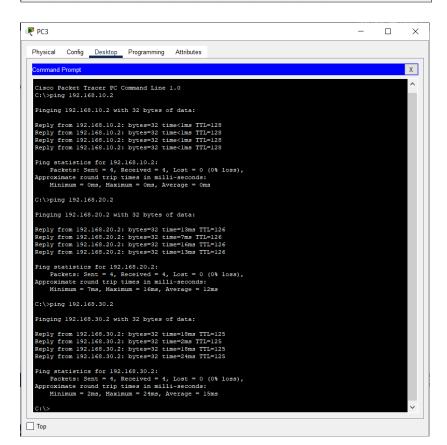
Konfigurasi Router:

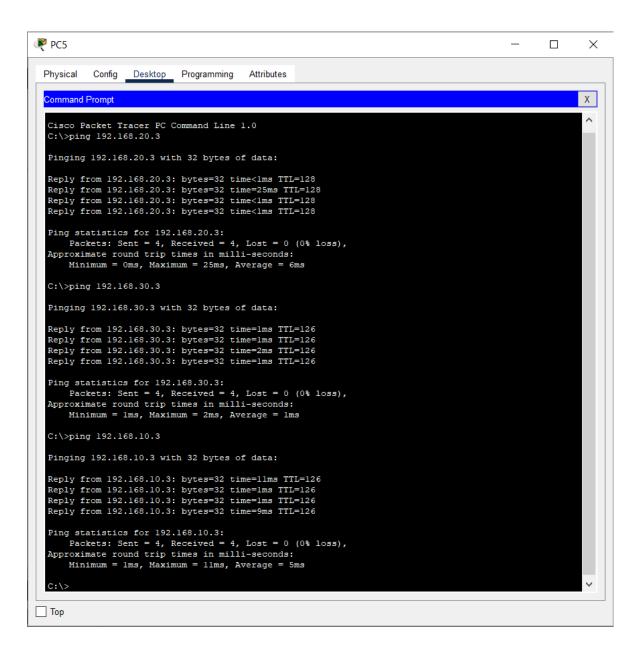




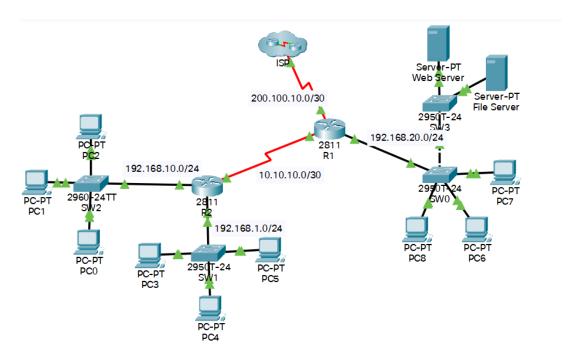
Ping antar device:

```
PC0
    Physical Config Desktop Programming Attributes
    Command Prompt
                                                                                                                                                                                                                                           Х
      Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.30.2
       Pinging 192.168.30.2 with 32 bytes of data:
        Reply from 192.168.30.2: bytes=32 time<1ms TTL=128
      Ping statistics for 192.168.30.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = Oms, Average = Oms
        :\>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=126
Reply from 192.168.20.3: bytes=32 time=1ms TTL=126
Reply from 192.168.20.3: bytes=32 time=2ms TTL=126
Reply from 192.168.20.3: bytes=32 time=2sms TTL=126
      Ping statistics for 192.168.20.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = lms, Maximum = 25ms, Average = 7ms
        C:\>ping 192.168.10.3
       Pinging 192.168.10.3 with 32 bytes of data:
        Request timed out.
Reply from 192.168.10.3: bytes=32 time=10ms TTL=125
Reply from 192.168.10.3: bytes=32 time=2sms TTL=125
Reply from 192.168.10.3: bytes=32 time=2ms TTL=125
      Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Zms, Maximum = 23ms, Average = 11ms
Тор
```





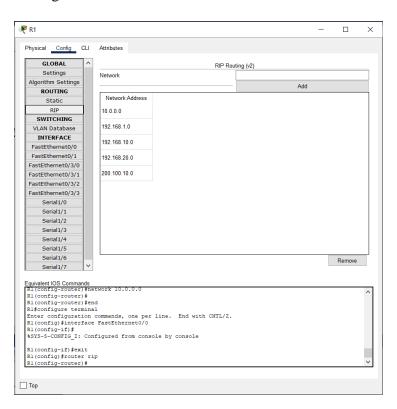
Soal 2

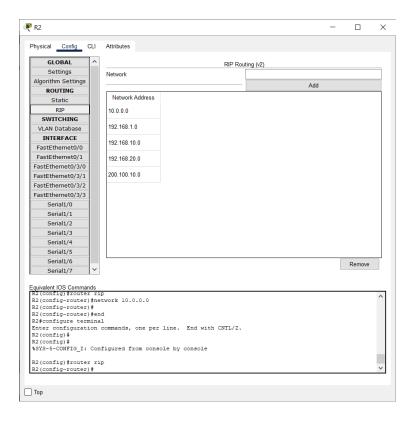


Kofigurasi tabel routing pada R1, R2 dan R3 dengan menggunakan RIP sehingga seluruh PC dapat terhubung ke ISP dengan baik.

Jawaban:

Konfigurasi Router:





Ping antar device:

```
PC2
                                                                                                                                                                                                                   Physical Config Desktop Programming Attributes
                                                                                                                                                                                                                               Х
    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.

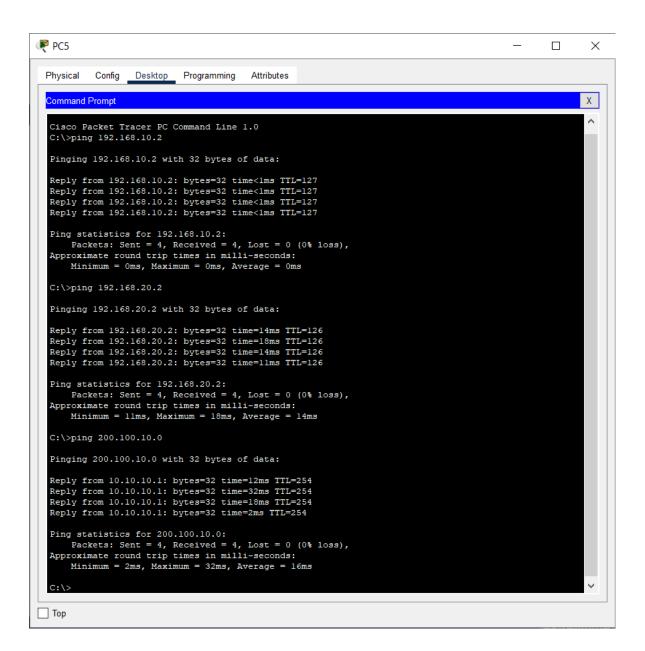
Reply from 192.168.1.2: bytes=32 time<lms TTL=127

Reply from 192.168.1.2: bytes=32 time<lms TTL=127

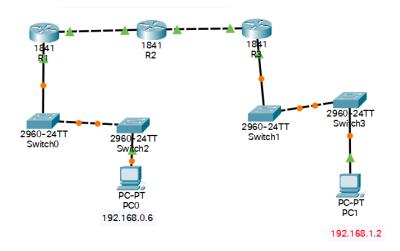
Reply from 192.168.1.2: bytes=32 time<lms TTL=127
   Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
      C:\>ping 192.168.20.2
    Pinging 192.168.20.2 with 32 bytes of data:
    Request timed out.
    Reply from 192.168.20.2: bytes=32 time=15ms TTL=126
Reply from 192.168.20.2: bytes=32 time=13ms TTL=126
Reply from 192.168.20.2: bytes=32 time=8ms TTL=126
    Ping statistics for 192.168.20.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:

Minimum = 8ms, Maximum = 15ms, Average = 12ms
    C:\>ping 200.100.10.0
    Pinging 200.100.10.0 with 32 bytes of data:
    Reply from 10.10.10.1: bytes=32 time=12ms TTL=254
Reply from 10.10.10.1: bytes=32 time=16ms TTL=254
Reply from 10.10.10.1: bytes=32 time=18ms TTL=254
Reply from 10.10.10.1: bytes=32 time=2ms TTL=254
    Ping statistics for 200.100.10.0:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 18ms, Average = 12ms
____ Тор
```



Soal 3

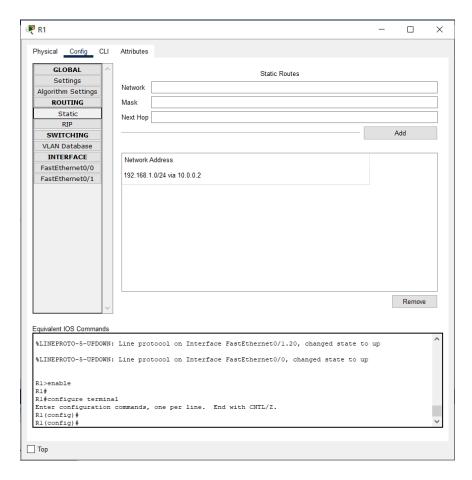


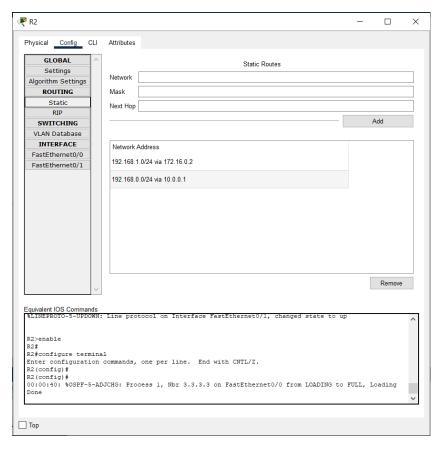
Permasalahan yang harus di selesaikan: PC0 tidak bisa ping ke PC 1!

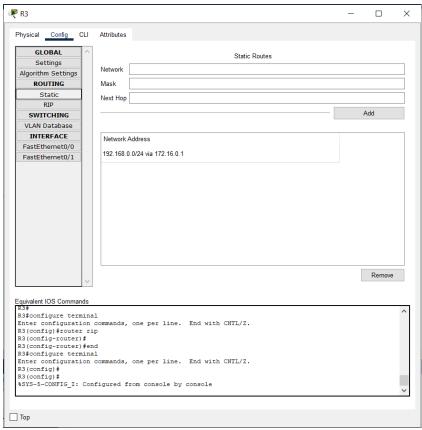
Jawaban:

Di sini saya akan menyelesaikan permasalahannya menggunakan Static Routing.

Konfigurasi Router:







Ping antar device:

