LAPORAN RESMI

UAS

Diajukan Guna Memenuhi Tugas Mata Kuliah
" Konsep Jaringan "
Dosen : Dr. Ferry Astika Saputra ST, M.Sc.

Oleh:

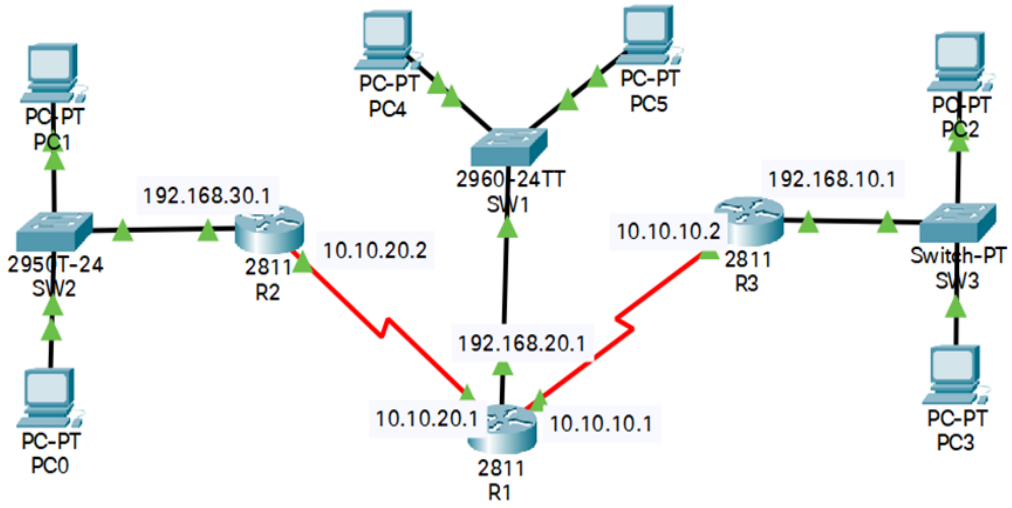
Dukhaan Kamimpangan (3122600003)
Kelas : 2 - D4 Teknik Informatika

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA
DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER
DIPLOMA EMPAT TEKNIK INFORMATIKA
SURABAYA
2022

UJIAN AKHIR SEMESTER

CISCO PACKET TRACER

1. Soal-1.pkt



Configuration R1

- Masuk ke mode konfigurasi global pada R1 dengan perintah configure terminal.
- Konfigurasikan IP address pada interface Serial 0/0/0 dengan perintah ip address 192.168.10.2 255.255.255.0.
- Konfigurasikan IP address pada interface Serial 0/0/1 dengan perintah ip address 10.10.10.1 255.255.255.0.
- Konfigurasikan tabel routing statik untuk jaringan 192.168.20.0/24 dengan perintah ip route 192.168.20.0 255.255.255.0 192.168.10.1.
- Konfigurasikan tabel routing statik untuk jaringan 10.10.20.0/24 dengan perintah ip route 10.10.20.0 255.255.255.0 10.10.10.2.

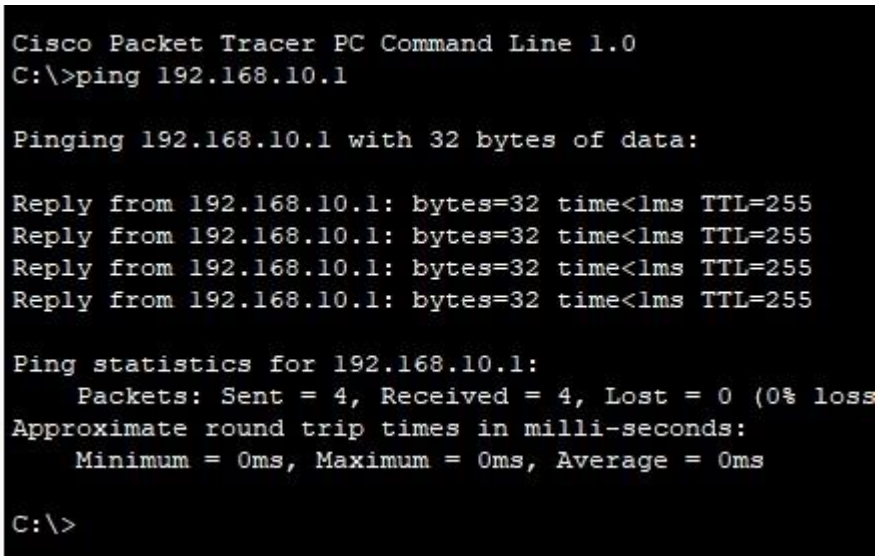
Configuration R2

- Masuk ke mode konfigurasi global pada R2 dengan perintah configure terminal.
- Konfigurasikan IP address pada interface Serial 0/0/0 dengan perintah ip address 192.168.10.1 255.255.255.0.
- Konfigurasikan IP address pada interface Serial 0/0/1 dengan perintah ip address 10.10.20.2 255.255.255.0.
- Konfigurasikan tabel routing statik untuk jaringan 192.168.30.0/24 dengan perintah ip route 192.168.30.0 255.255.255.0 192.168.10.2.

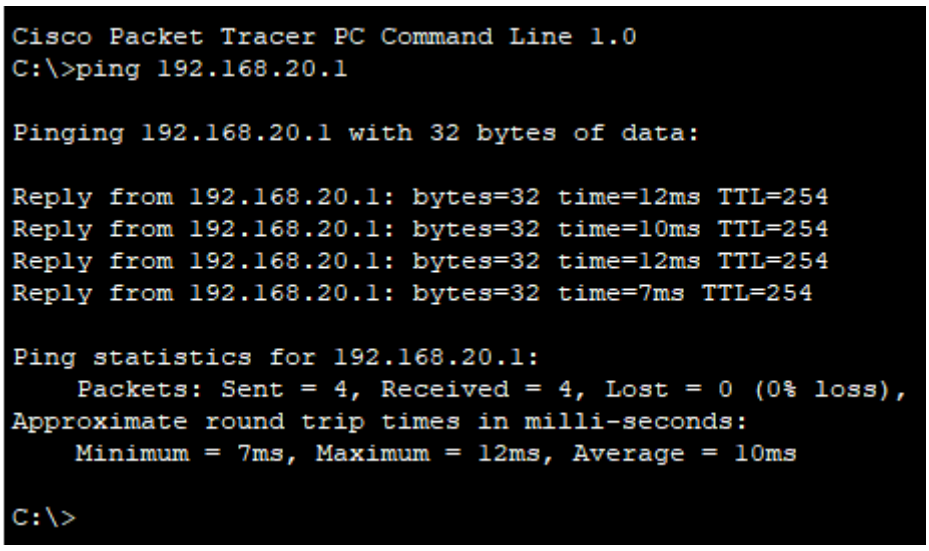
Configuration R3

- Masuk ke mode konfigurasi global pada R3 dengan perintah configure terminal.
- Konfigurasikan IP address pada interface Serial 0/0/1 dengan perintah ip address 10.10.10.2 255.255.255.0.
- Konfigurasikan tabel routing statik untuk jaringan 192.168.10.0/24 dengan perintah ip route 192.168.10.0 255.255.255.0 10.10.20.1.

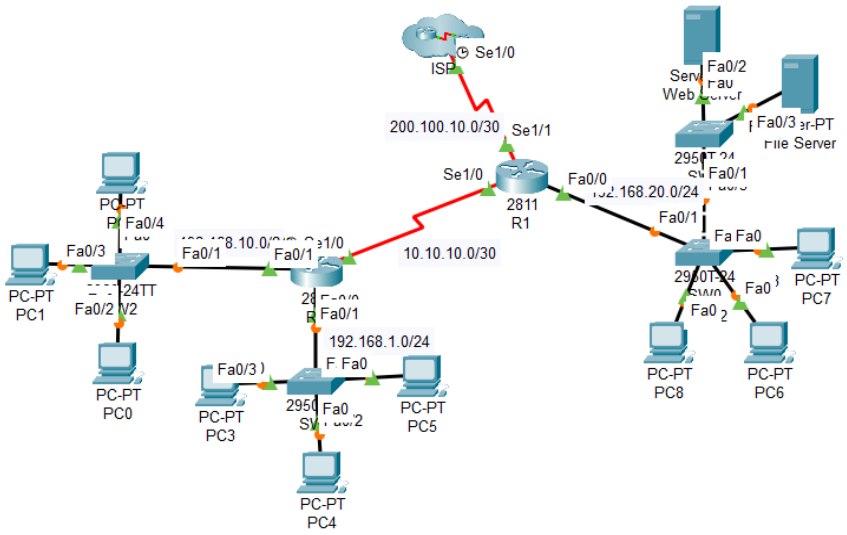
PING TEST | PC 1 ke PC 2



PING TEST | PC 1 ke PC 5

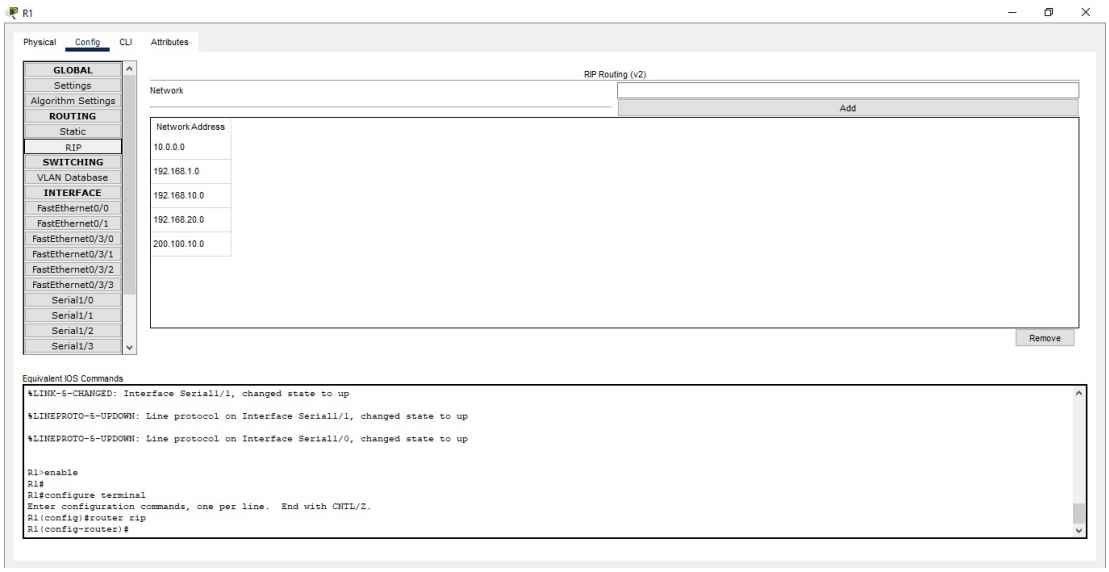


2. Soal-2.pkt



RIP | Router 1

RIP | Router 2



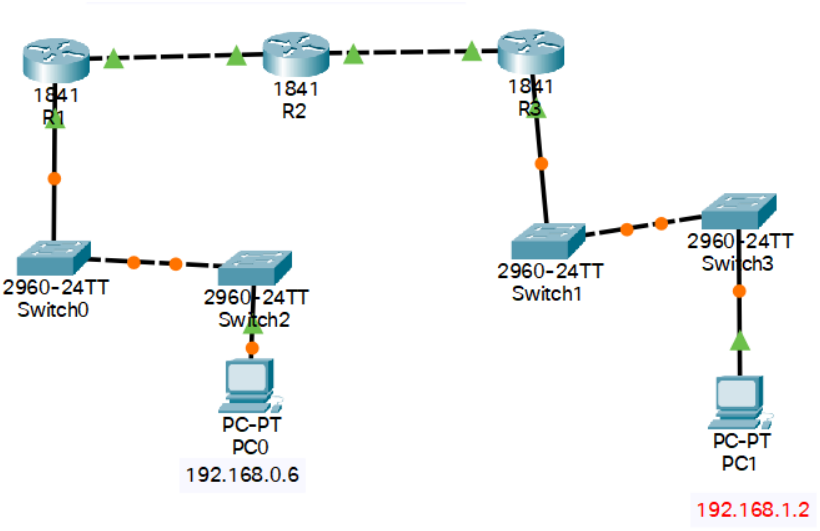
PING TEST | PC 1 ke PC 6

```
Pinging 192.168.20.1 with 32 bytes of data:

Reply from 192.168.20.1: bytes=32 time=13ms TTL=254
Reply from 192.168.20.1: bytes=32 time=3ms TTL=254
Reply from 192.168.20.1: bytes=32 time=3ms TTL=254
Reply from 192.168.20.1: bytes=32 time=10ms TTL=254

Ping statistics for 192.168.20.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 13ms, Average = 7ms
```

3. Soal-3.pkt



Router 1

Network Address
192.168.1.0/24 via 10.0.0.2

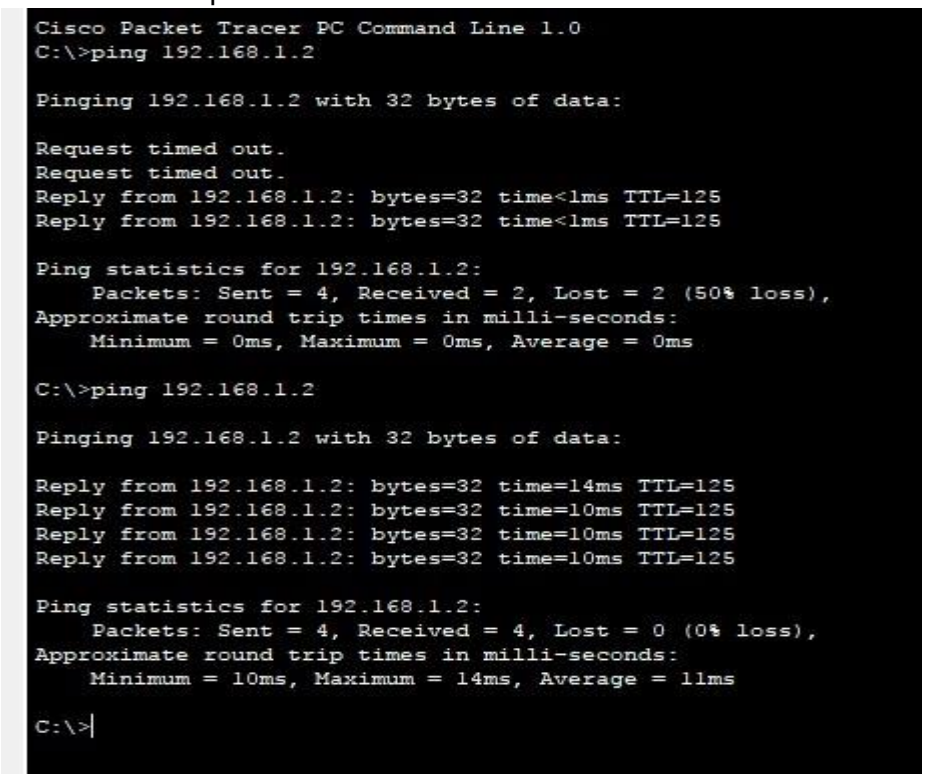
Router 2

Network Address
192.168.1.0/24 via 172.16.0.2
192.168.0.0/24 via 10.0.0.1

Router 3

Network Address
192.168.0.0/24 via 172.16.0.1

PING TEST | PC 0 ke PC 1



```
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.
Request timed out.
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms 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 = 0ms, Average = 0ms

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=14ms TTL=125
Reply from 192.168.1.2: bytes=32 time=10ms TTL=125
Reply from 192.168.1.2: bytes=32 time=10ms 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 = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 14ms, Average = 11ms

C:\>
```