

LAPORAN PRAKTIKUM

JARINGAN KOMPUTER

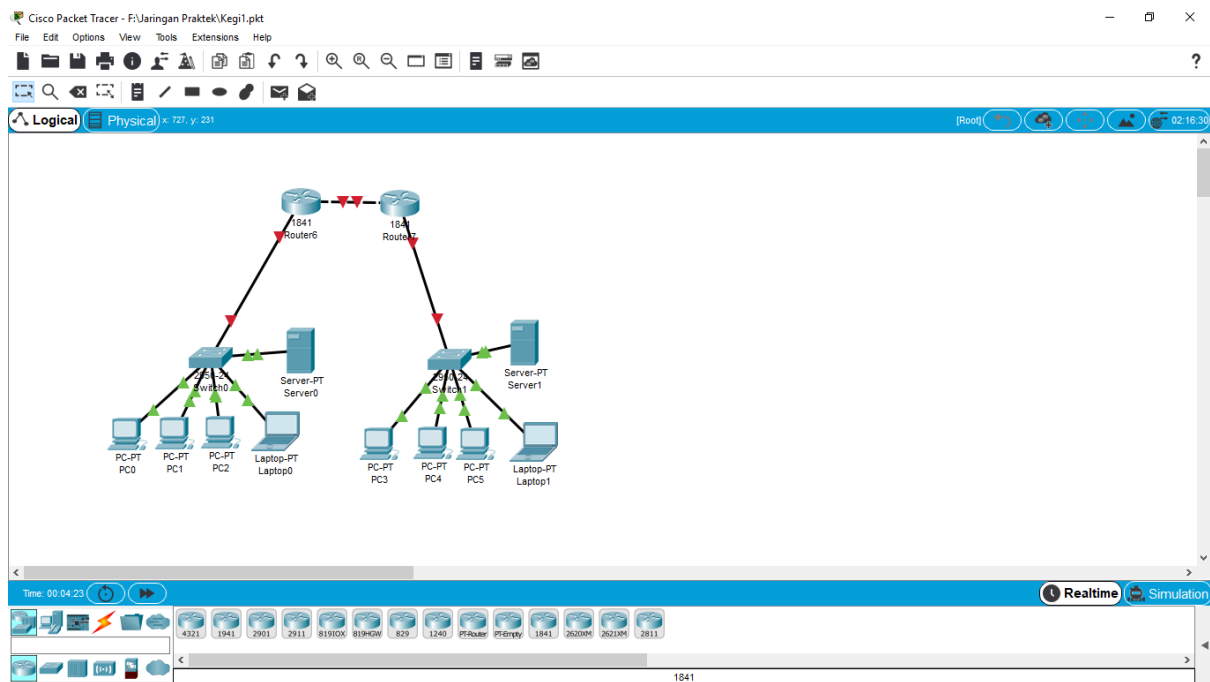
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Kelas : A

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Modul ke : 2

1. Rancangan jaringan komputer



Indikator pada switch ke pc maupun laptop serta server berwarna hijau, sedangkan indikator dari router menuju switch berwarna merah

2. Membuat jaringan peer to peer

The screenshot displays the Cisco Packet Tracer interface with a peer-to-peer network configuration. Two PCs, labeled PC2 and PC3, are connected via a dashed line representing a network link. The interface includes a menu bar (File, Edit, Options, View, Tools, Extensions, Help), a toolbar, and a status bar showing the time as 00:00:16. Below the main workspace, there are two windows showing the command prompt for PC2 and PC3.

PC2 Command Prompt:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1
Invalid Command.

C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=9ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=7ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 9ms, Average = 4ms

C:\>
```

PC3 Command Prompt:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

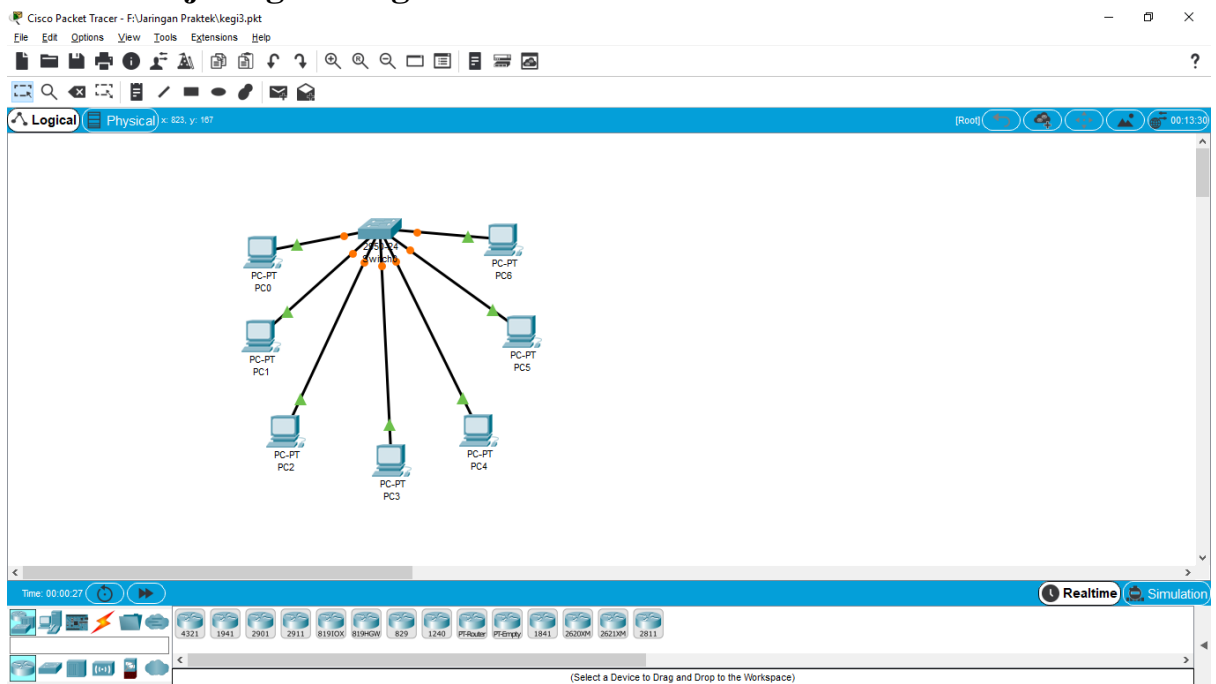
Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=2ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=6ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 3ms

C:\>
```

3. Membuat jaringan dengan switch



Cisco Packet Tracer - F:\Ujaringan Praktek\kegi3.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 630, y: 273 [Root] 00:49:30

```
graph TD; Switch[Switch] --- PC0[PC-PT PC0]; Switch --- PC1[PC-PT PC1]; Switch --- PC2[PC-PT PC2]; Switch --- PC3[PC-PT PC3]; Switch --- PC4[PC-PT PC4]; Switch --- PC5[PC-PT PC5]; Switch --- PC6[PC-PT PC6];
```

Time: 00:01:38 Realtime Simulation

Router-PT

Cisco Packet Tracer - F:\Ujaringan Praktek\kegi3.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 255, y: 253 PC1 01:10:00

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

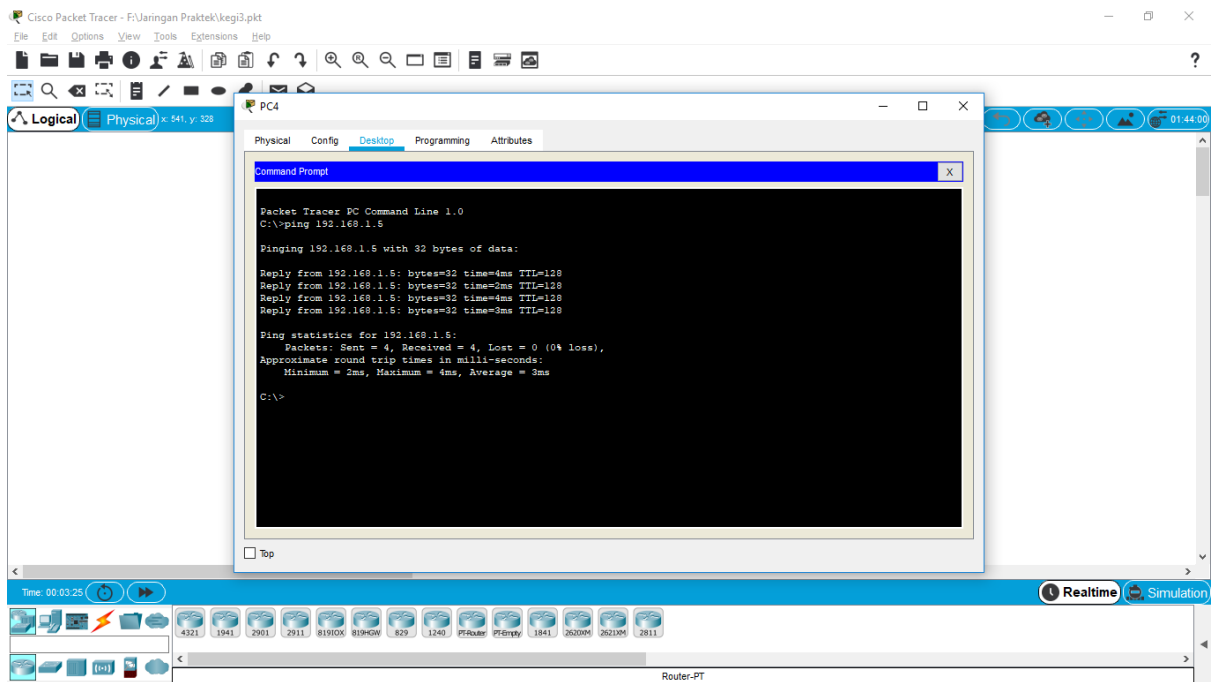
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=15ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 15ms, Average = 4ms

C:\>
```

Time: 00:02:19 Realtime Simulation

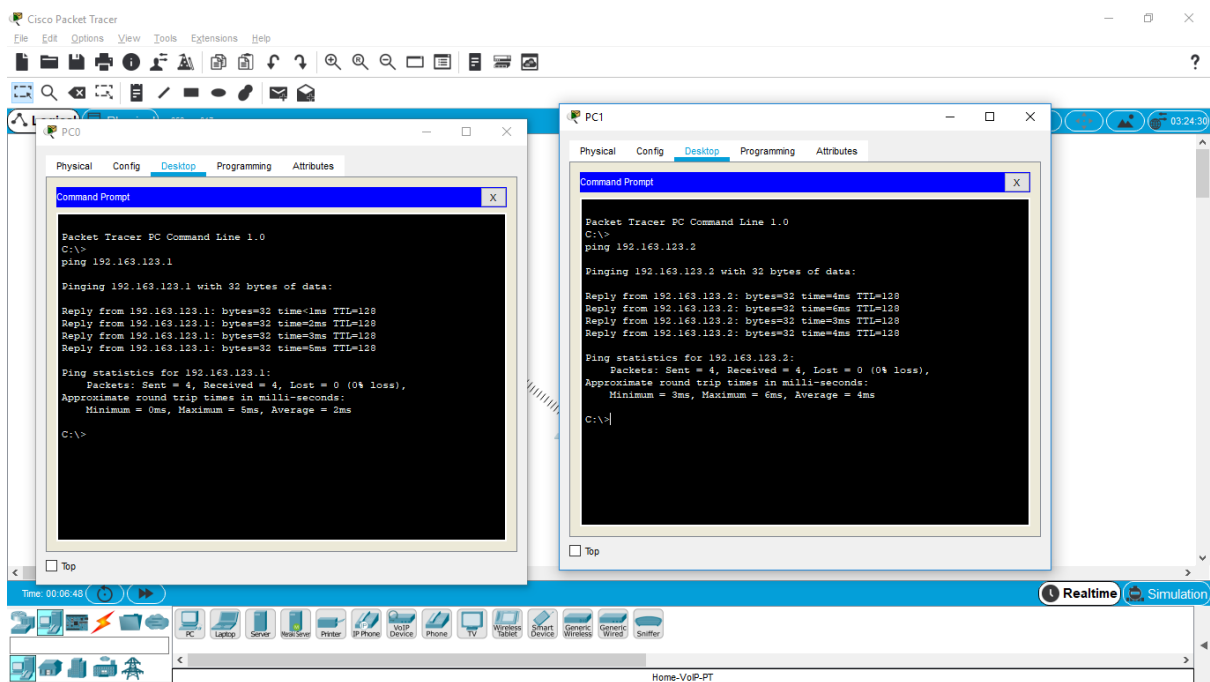
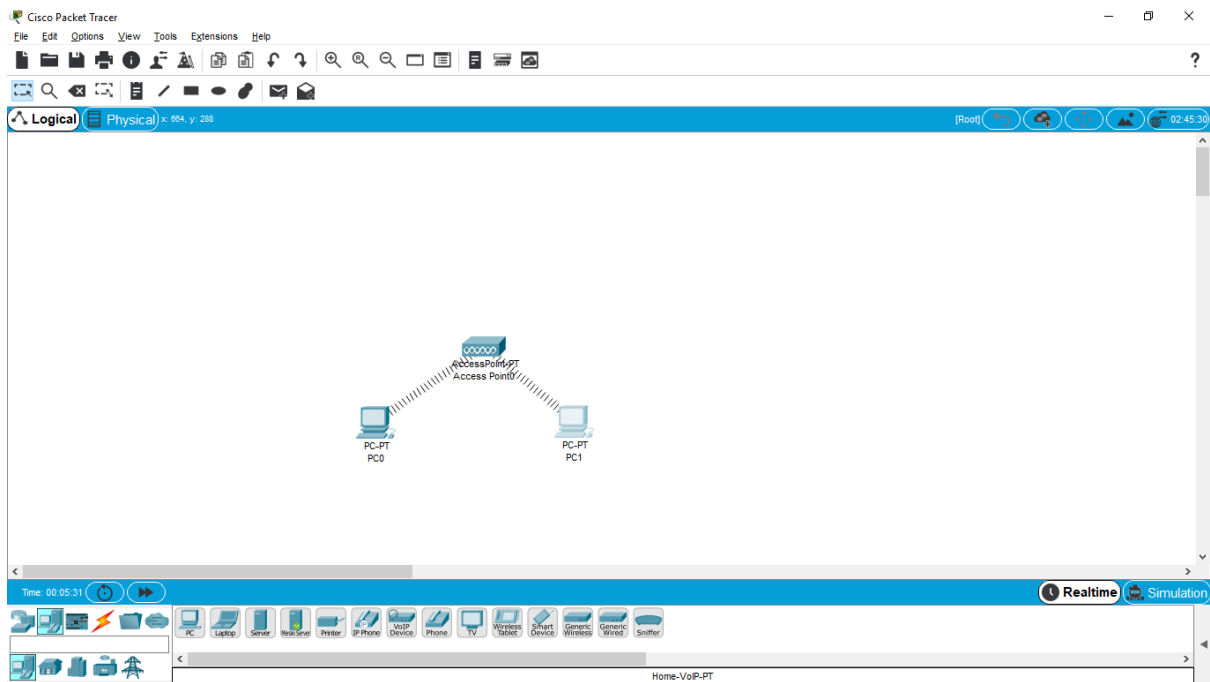
Router-PT



Hasil percobaan :

Ping dari PC 1 ke PC 2 tidak mengalami request time out(eror)
Ping dari PC 3 ke PC 5 tidak jalan karena tidak ada jaringan

4.



Tugas

