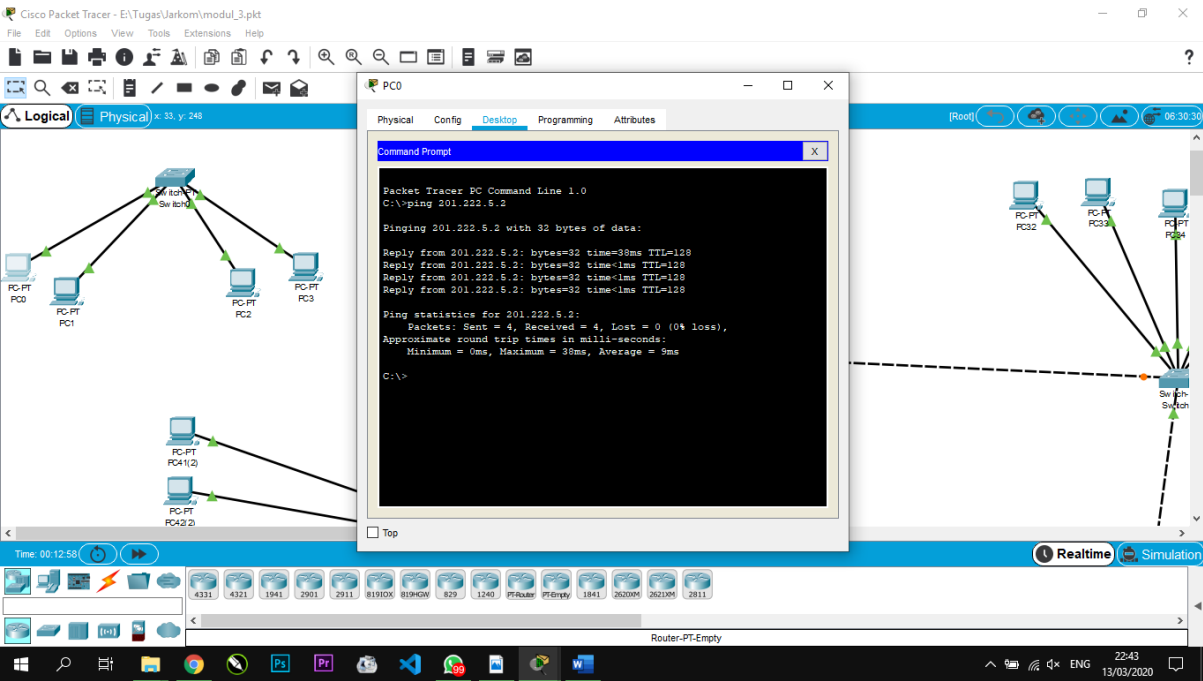
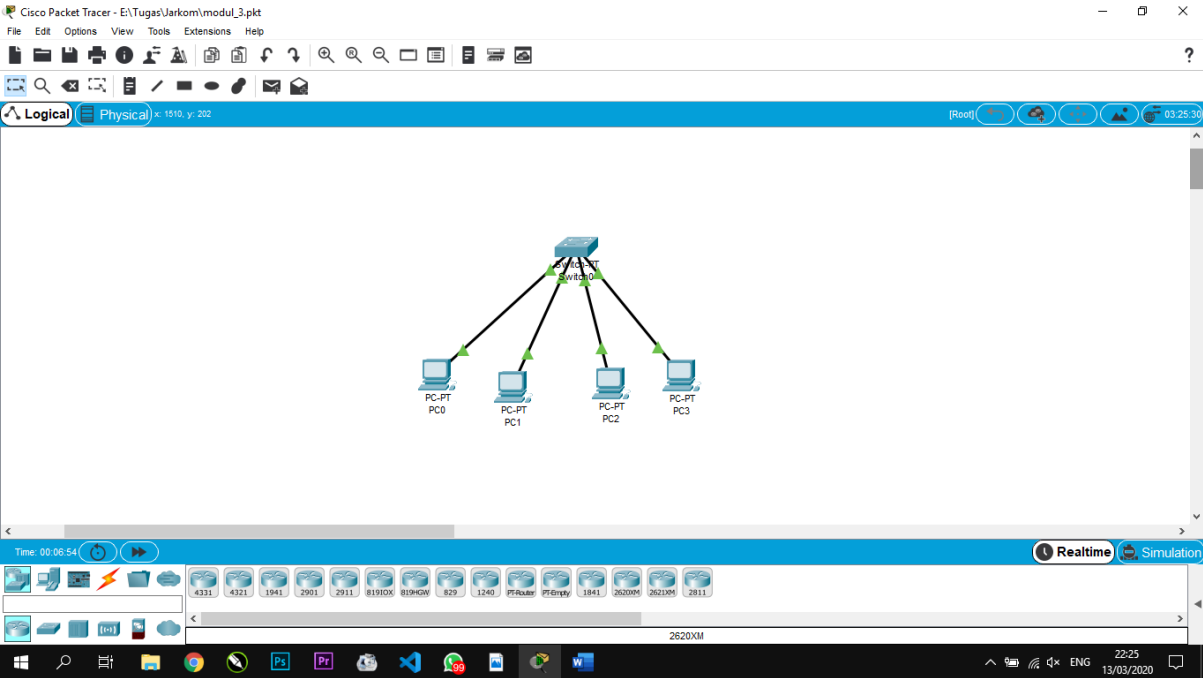


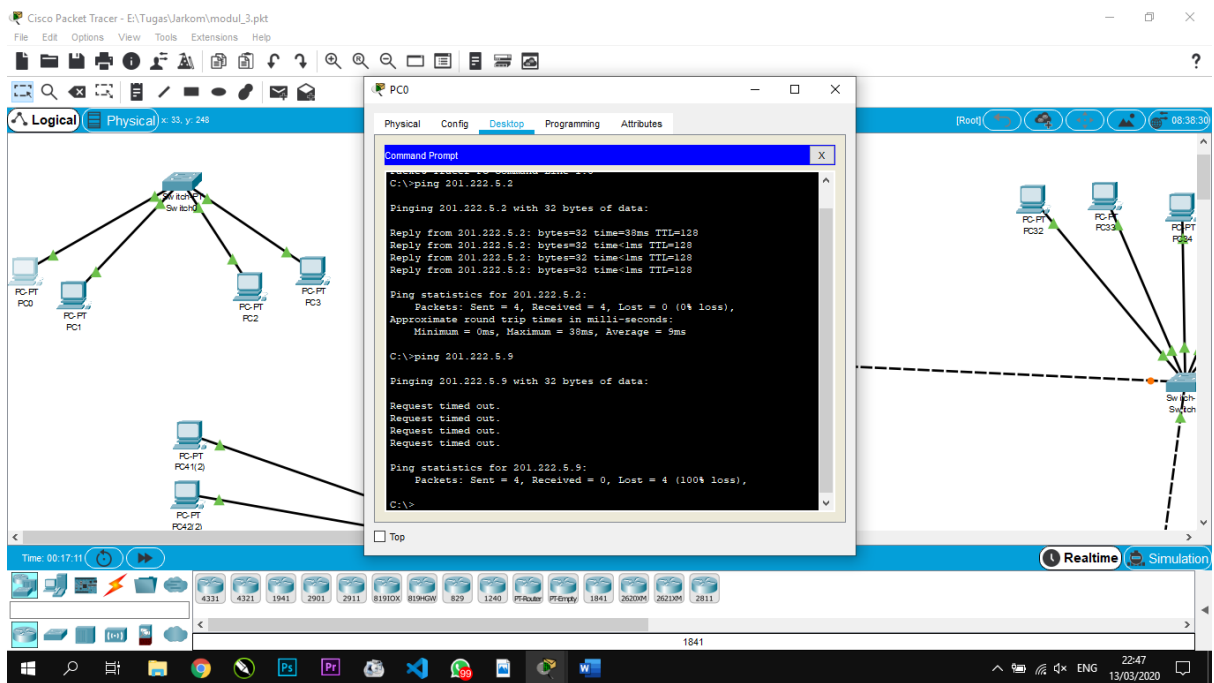
Nama : Wahyu Setyaji Rama Dwijaya
NIM : L200180065
Kelas : B

MODUL 3

Kegiatan Praktikum
No 1



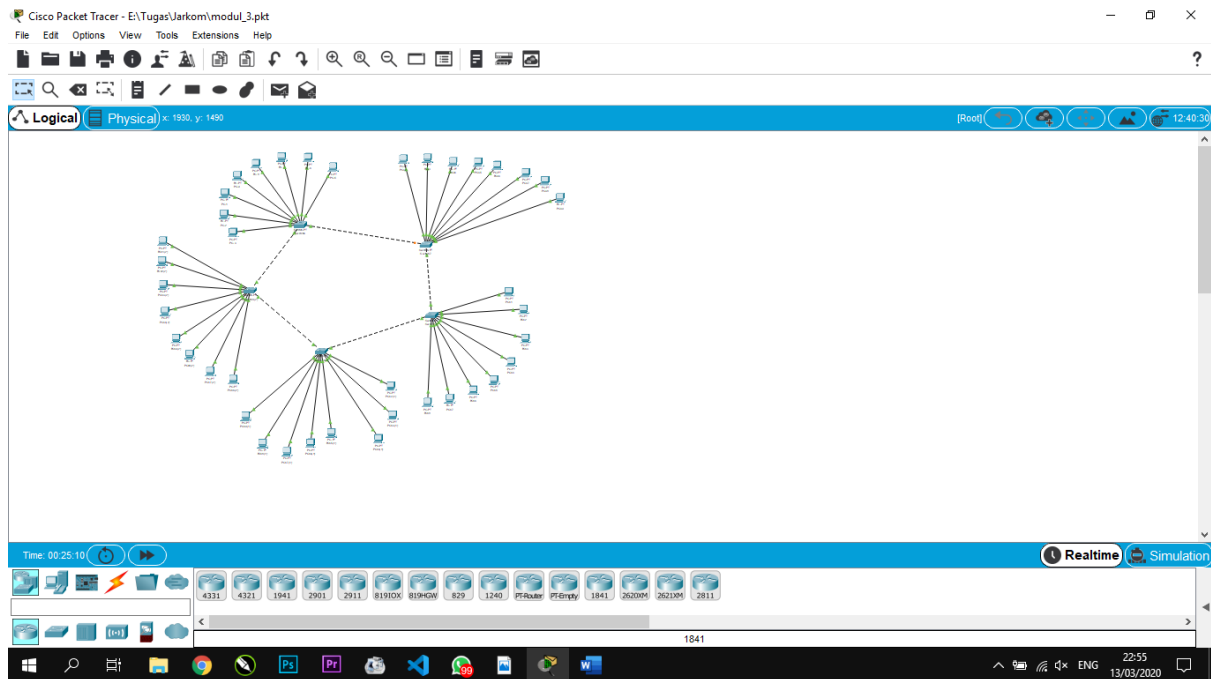
Ping dari PC0 ke PC1 terhubung. PC1 memberikan balasan/respon karena network addressnya sama.



Ping PC1 ke PC2, tidak terhubung dan muncul 'Request timed out' dikarenakan jangkauan IP addressnya hanya 8 bit, karena pada PC1 IPaddress nya 201.222.5.2 hanya dapat menjangkau maksimal pada IP address 201.222.5.7.

No 2

a. Desain



b. Menentukan subnet mask

Kita membutuhkan 5 subnet, maka nilai X dari rumus jumlah subnet didapatkan nilai $X = 3$. Jadi terdapat 3 bit 1 dalam subnet mask. Karena dalam satu blok terdapat 8 bit maka didapatkan nilai $Y = 5$. Jadi terdapat 5 bit 0. Sehingga didapatkan :

11111111 11111111 11111111 11100000
255. 255. 255. 224

c. Subnet address yang terbentuk

$256 - 224 = 32$ IPaddress

- i. 202.155.19.0
- ii. 202.155.19.32
- iii. 202.155.19.64
- iv. 202.155.19.96
- v. 202.155.19.128, dst.

The screenshot displays the Cisco Packet Tracer interface with the following components:

- Top Menu Bar:** File, Edit, Options, View, Tools, Extensions, Help.
- Left Pane (Logical View):** Shows a network diagram with a central PC (PC1) and several other PCs (PC14, PC15, PC16, PC17, PC18, PC19) connected to it. The status bar at the bottom left shows "Time: 00:50:50".
- Central Window (PC-3):** Displays a Command Prompt window with the following output:


```

C:\>ping 202.115.19.1

Pinging 202.115.19.1 with 32 bytes of data:

Reply from 202.115.19.1: bytes=32 time=1ms TTL=128
Reply from 202.115.19.1: bytes=32 time=1ms TTL=128
Reply from 202.115.19.1: bytes=32 time=1ms TTL=128
Reply from 202.115.19.1: bytes=32 time=1ms TTL=128

Ping statistics for 202.115.19.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 202.115.19.33

Pinging 202.115.19.33 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 202.115.19.33:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
      
```
- Right Pane (Physical View):** Shows a detailed view of the network topology, including the physical connections between the PCs.
- Bottom Status Bar:** Indicates "Router-PT-Empty" and "Realtime" simulation mode. The system clock shows "23:21 13/03/2020".

Setelah di lakukan ping dari PC divisi 1 ke PC divisi 1, maka terhubung, PC memberikan jawaban/respon. Sedangkan ping dari Pc divisi 1 ke PC divisi 2, maka tidak terhubung, muncul 'Request timed out' dikarenakan berbeda subnet address.