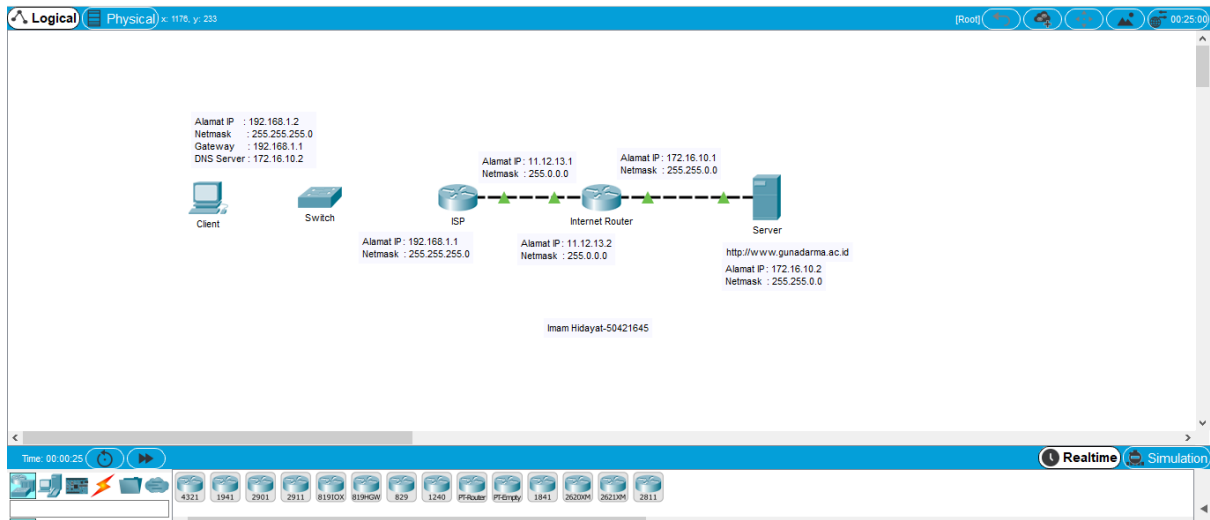
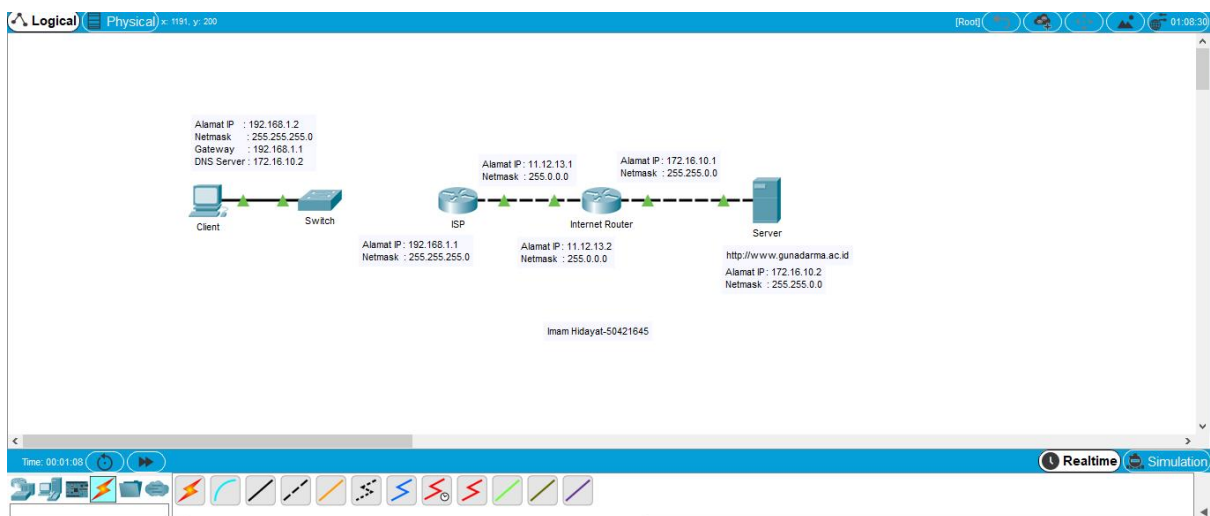


Screenshoot :

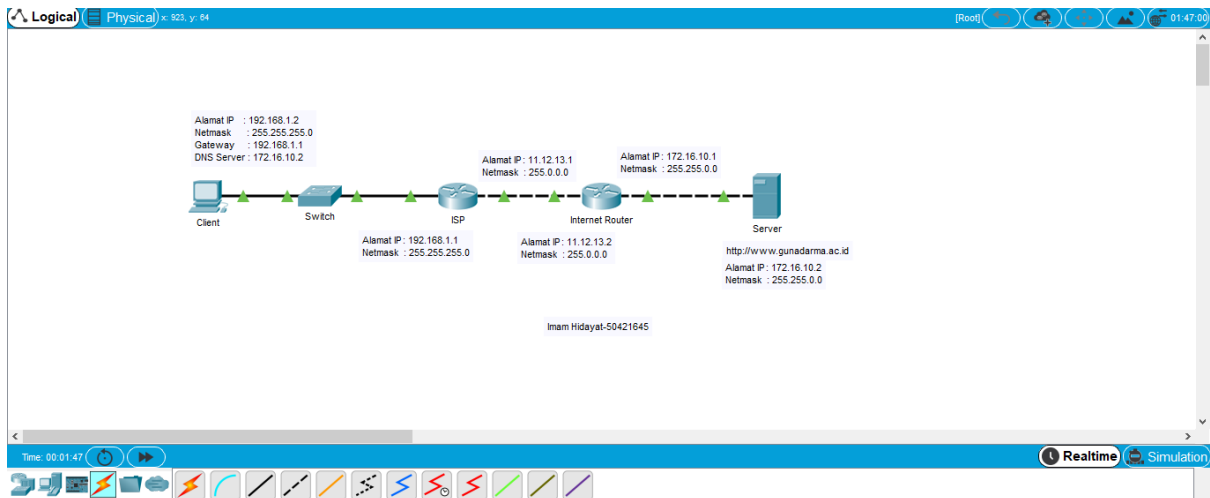
1.Topologi



2.Menghubungkan PC ke Switch



3. Menghubungkan Switch ke Router ISP



4. Konfigurasi IP Address PC Client

The screenshot shows the configuration window for a Client device. The Desktop tab is selected, and the Static IP configuration is chosen. The IP Address is set to 192.168.1.2, Subnet Mask to 255.255.255.0, Default Gateway to 192.168.1.1, and DNS Server to 172.16.10.2. The IPv6 Configuration section shows the Static configuration selected, with the IPv6 Address field empty and the Link Local Address set to FE80::207:ECFF:FED7:780B. The 802.1X section shows the Use 802.1X Security checkbox unchecked, and the Authentication dropdown set to MD5. The Username and Password fields are empty.

Client

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address: 192.168.1.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

DNS Server: 172.16.10.2

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::207:ECFF:FED7:780B

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

5. Assessment Items

Cisco Packet Tracer - C:\Users\Acer\Downloads\Activity 2.8 Test.pka

File Edit Options View Tools Extensions Help

Activity Results Time Left: 00:20:56

Congratulations Guest! You completed the activity.

Overall Feedback **Assessment Items** Connectivity Tests

Expand/Collapse All Show Incorrect Items

Assessment Items	Status	Points	Component(s)	Feedback
Network				
Client				
Default Gateway	Correct	1	Ip	
DNS Server IP	Correct	1	Ip	
Ports				
FastEthernet0				
IP Address	Correct	1	Ip	
Port Status	Correct	1	Physical	
Switch				
Ports				
FastEthernet0/1		0	Other	
Link to Client		0	Other	
Connects to FastEthernet0	Correct	1	Physical	
FastEthernet0/2		0	Other	
Link to ISP		0	Other	
Connects to FastEthernet0/0	Correct	1	Physical	

Score : 6/6

Item Count : 6/6

Component	Items/Total	Score
Ip	3/3	3/3
Physical	3/3	3/3

6. Command Prompt PC dengan 3 perintah

Client

Physical Config **Desktop** Programming Attributes

```
Command Prompt
C:\>Ipconfig

FastEthernet0 Connection: (default port)

    Link-local IPv6 Address . . . . . : FE80::207:ECFF:FED7:780B
    IP Address. . . . . : 192.168.1.2
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1

Bluetooth Connection:

    Link-local IPv6 Address . . . . . : ::
    IP Address. . . . . : 0.0.0.0
    Subnet Mask . . . . . : 0.0.0.0
    Default Gateway . . . . . : 0.0.0.0

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=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255

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

C:\>tracert 172.16.10.2

Tracing route to 172.16.10.2 over a maximum of 30 hops:

  0  1 ms    1 ms    2 ms    192.168.1.1
  1  0 ms    0 ms    0 ms    11.12.13.1
  2  *        0 ms    0 ms    172.16.10.2

Trace complete.
```

☐ Top

Kesimpulan dari ketiga perintah :

Ipconfig itu sendiri adalah suatu perintah pada sistem operasi Windows yang berfungsi untuk menampilkan konfigurasi IP computer.

Dari IP tersebut kita **ping 192.168.1.1** adalah untuk memeriksa jaringan diuji apakah jaringan sebuah computer telah terhubung.

Untuk Tracert sendiri adalah jejak rute, utilitas baris perintah yang dapat digunakan untuk melacak lintasan yang diambil paket protokol Internet (IP) ke tujuannya.

Dari Tracert tersebut kita **tracert 172.16.10.2** digunakan untuk mengetahui secara detail route apa saja yang dilewati IP address itu sendiri. Contoh nya seperti diatas, route tersebut kita dapat mengetahui bahwa client mengirim suatu data melewati router dan server.