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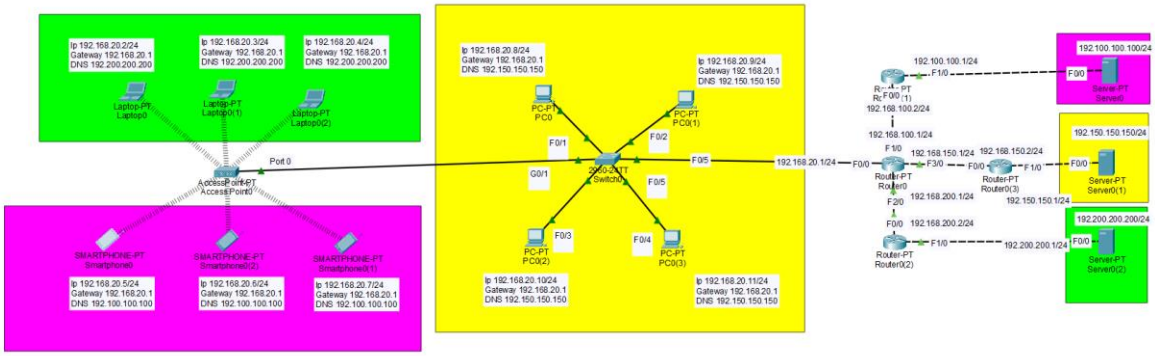
NIM: 201011400105

UJIKOM NETWORK ADMINISTRATOR

LAPORAN UJIKOM TUGAS 3

Step by step Instalation Network

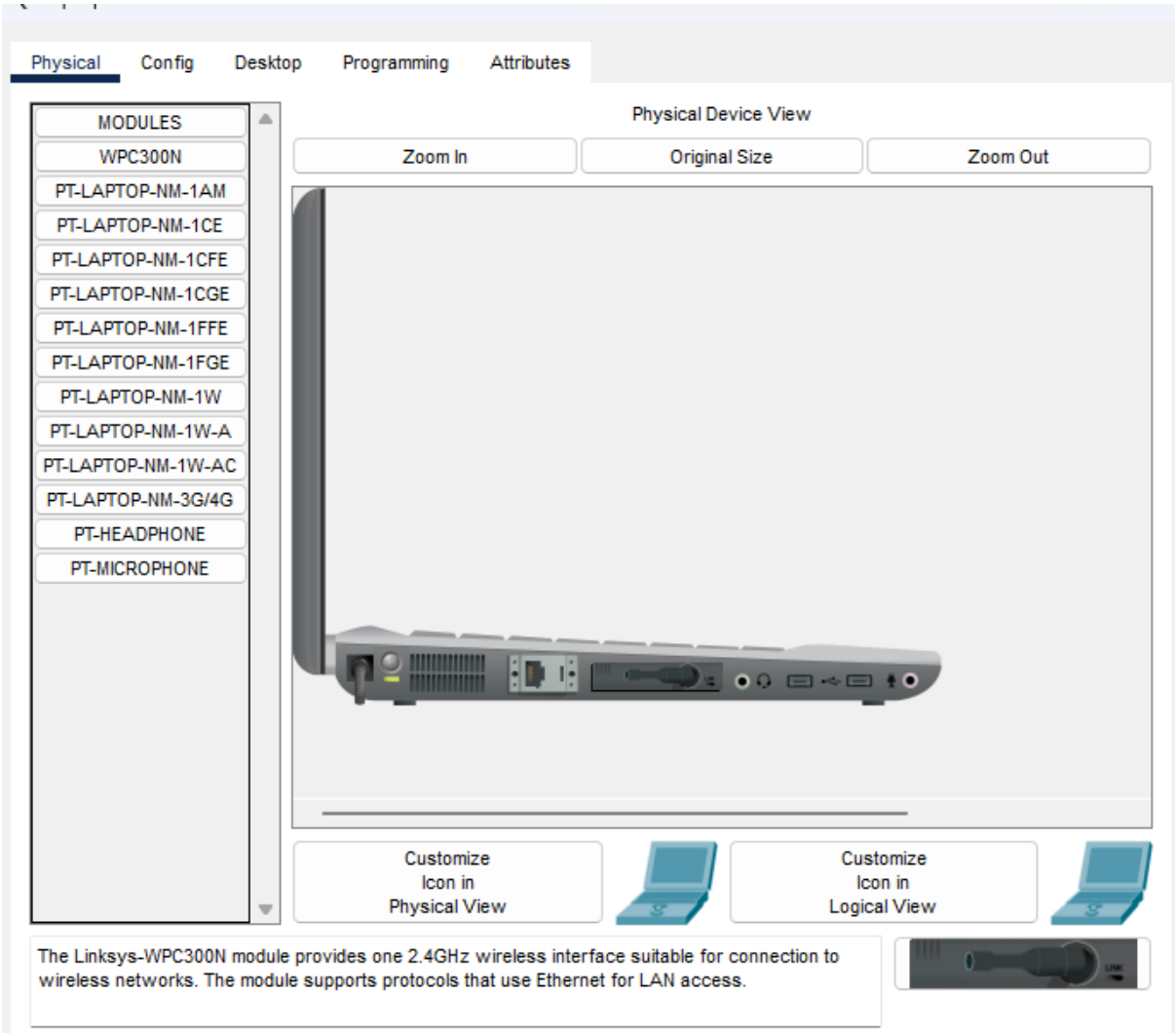
1. Creat Topology Network



Berikut topology untuk network yang akan kita bangun. Pada topology ini kita menggunakan beberapa device diantaranya :

- Swithch Manage : 1 Unit
- PC/Komputer : 4 Unit
- Smarthphone : 3 Unit
- Laptop : 3 Unit
- Accesspoint : 1 Unit
- Router : 4 Unit
- Server : 3 Unit

2. Configuration Device



- Configuration Laptop Device

Langkah setup pertama yang perlu di perhatikan di laptop yaitu :

- Matikan Power Laptop

- Kemudian Ganti Konektor LAN dengan Konektor Wireless

- Koneksikan ke Wireless/Accesspoint yang tersedia dengan

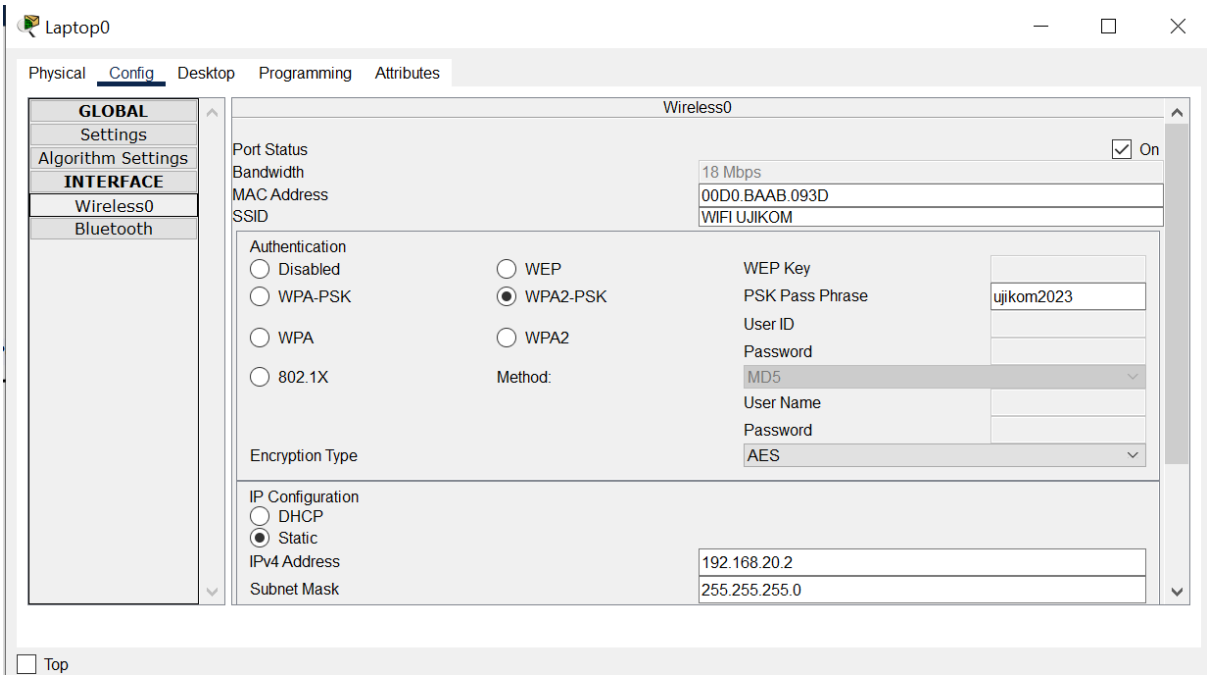
SSID : WIFI UJIKOM

Pass : ujikom2023

- Setup IP Address Pada Laptop0 : 192.168.20.2/24

- Setup IP Address Pada Laptop0 : 192.168.20.3/24

- Setup IP Address Pada Laptop0 : 192.168.20.4/24



- Configuration PC/Komputer Device

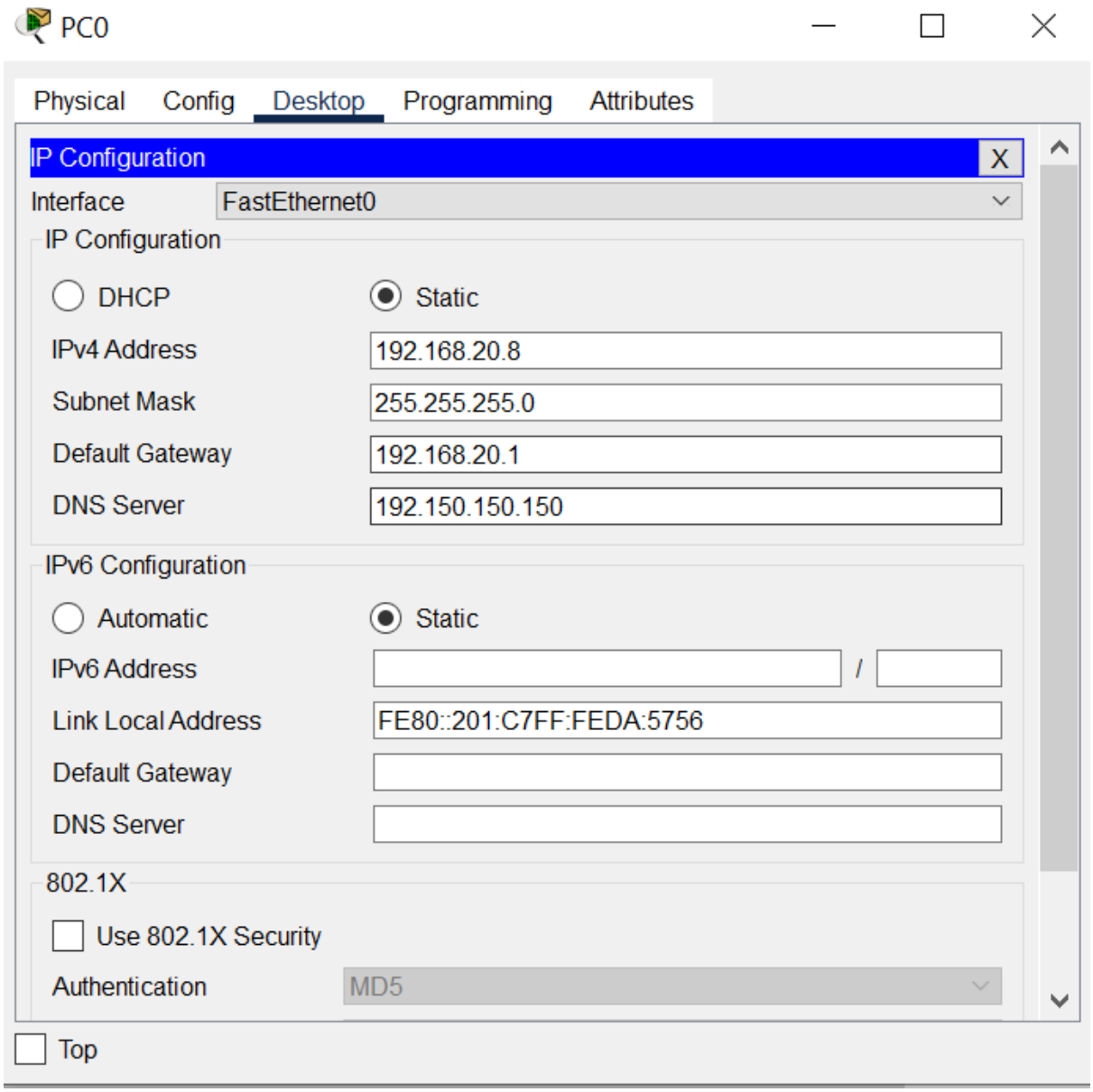
Langkah setup pertama yang perlu di lakukan di Komputer yaitu :

- Setup IP address Pada PC0 : 192.168.20.8/24

- Setup IP address Pada PC1 : 192.168.20.9/24

- Setup IP address Pada PC2 : 192.168.20.10/24

- Setup IP address Pada PC3 : 192.168.20.11/24



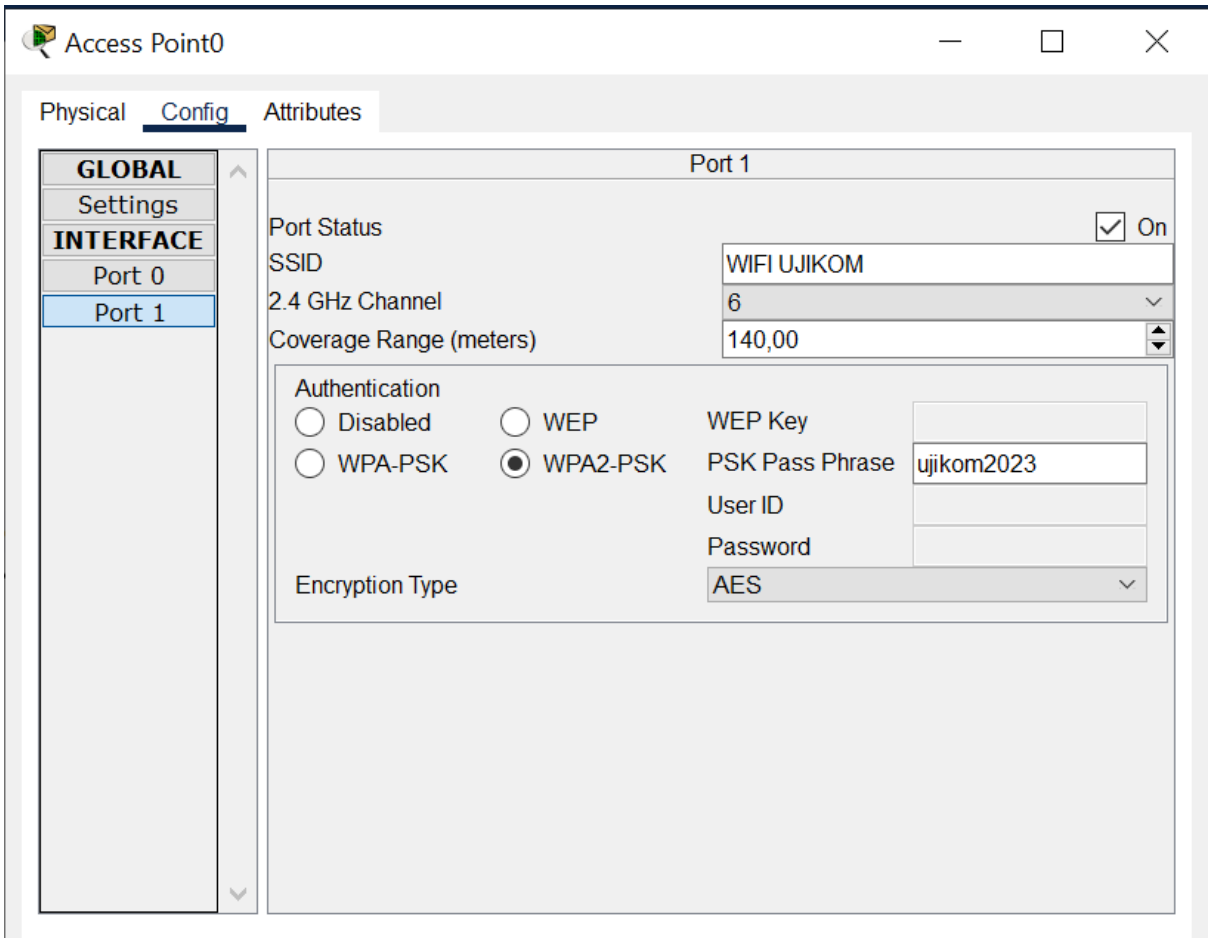
- Configuration Accesspoint device

Langkah setup pertama yang perlu di perhatikan di Accesspoint yaitu :

- Setup

SSID : WIFI UJIKOM

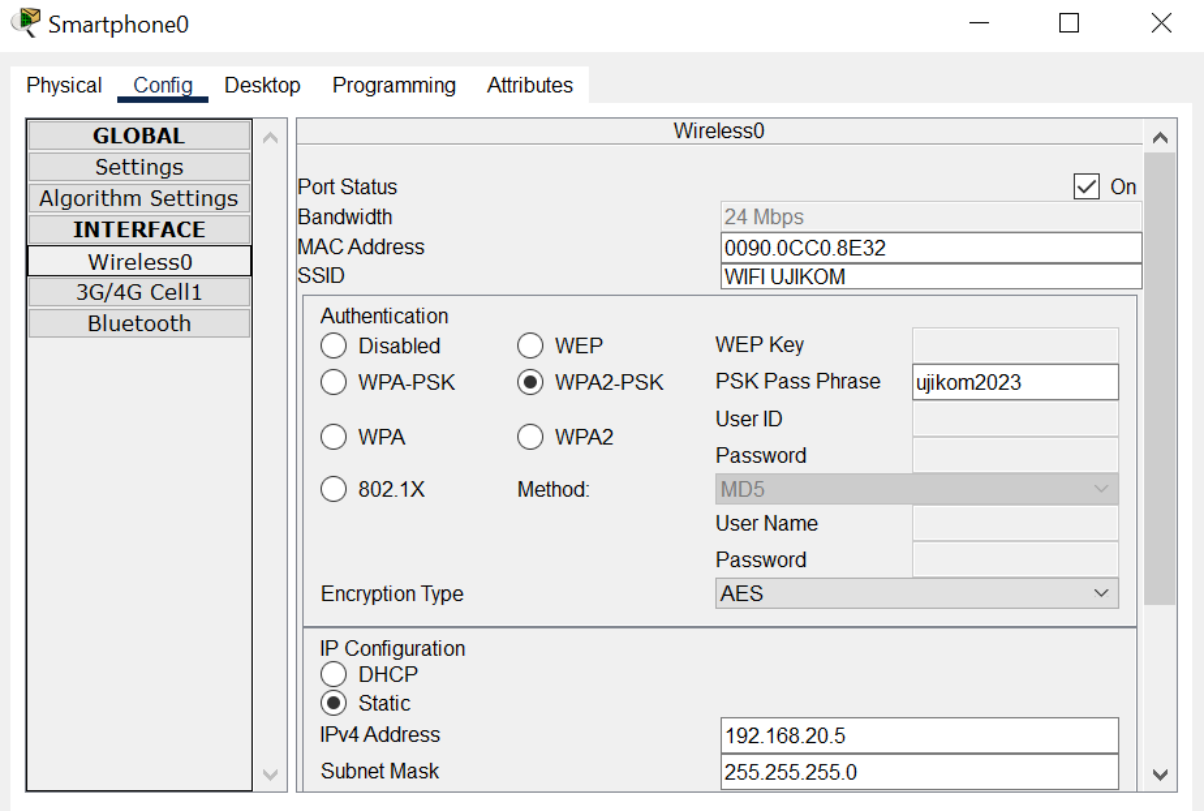
Pass : ujikom2023



- Configuration Smarthphone device

Langkah setup pertama yang di perhatikan di Smarthpone yaitu :

- Koneksikan ke wireless atau SSID yang sudah di setup SSID : WIFI UJIKOM, Password : ujikom2023

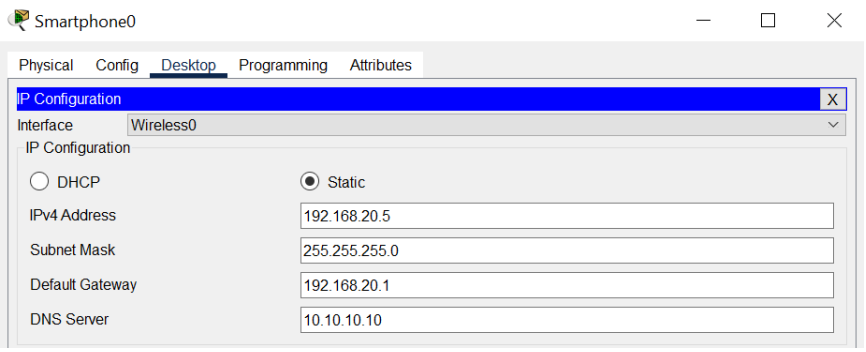


- Setup IP Address Static pada ke 3 handphone tersebut

IP Address HP0 : 192.168.20.5/24

IP Address HP1 : 192.168.20.6/24

IP Address HP2 : 192.168.20.7/24

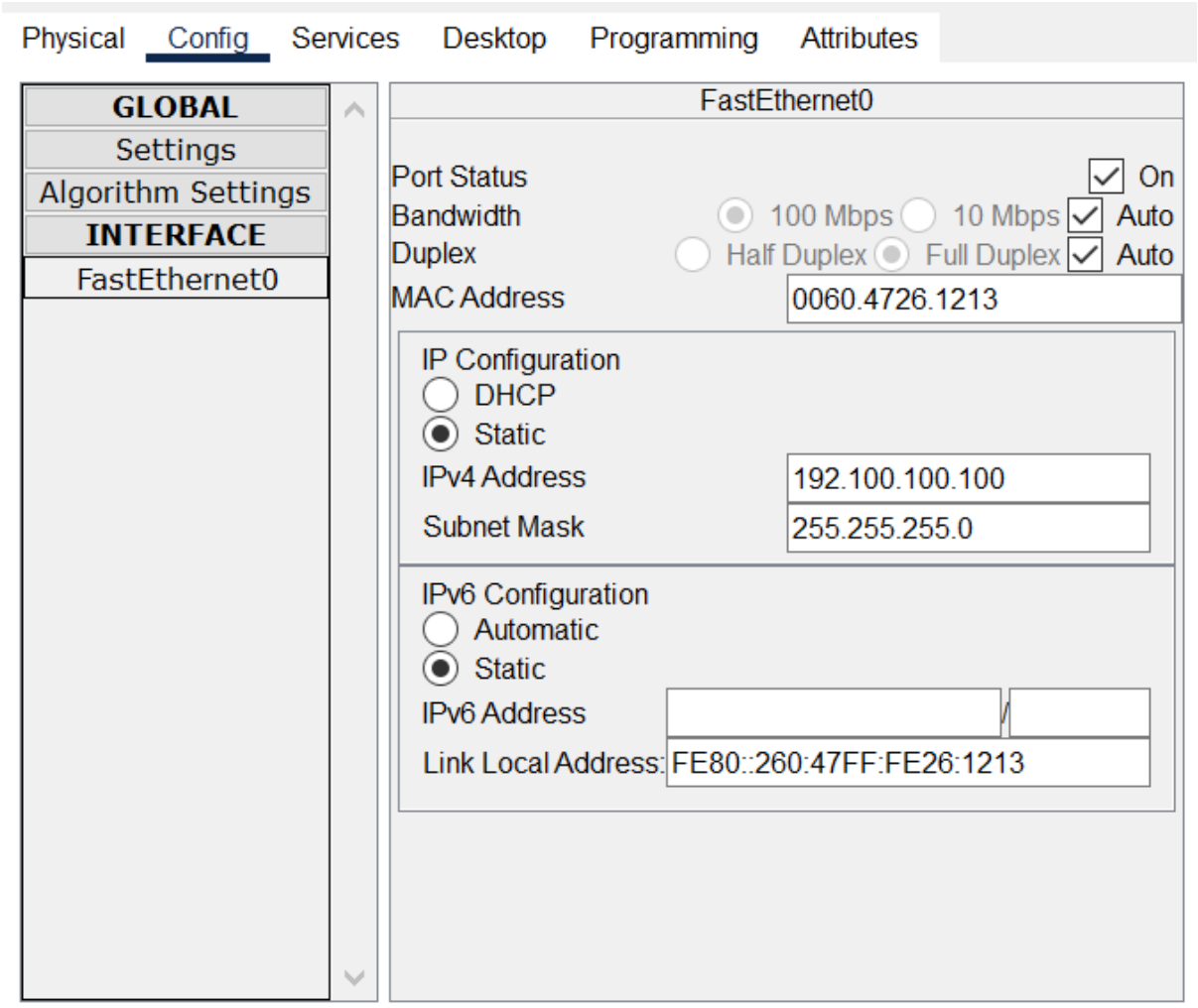


- Configuration Server

IP Address Server1 : 192.100.100.100/24

IP Address Server2: 192.150. 150. 150/24

IP Address Server3: 192.200. 200. 200/24



- Configuration Router

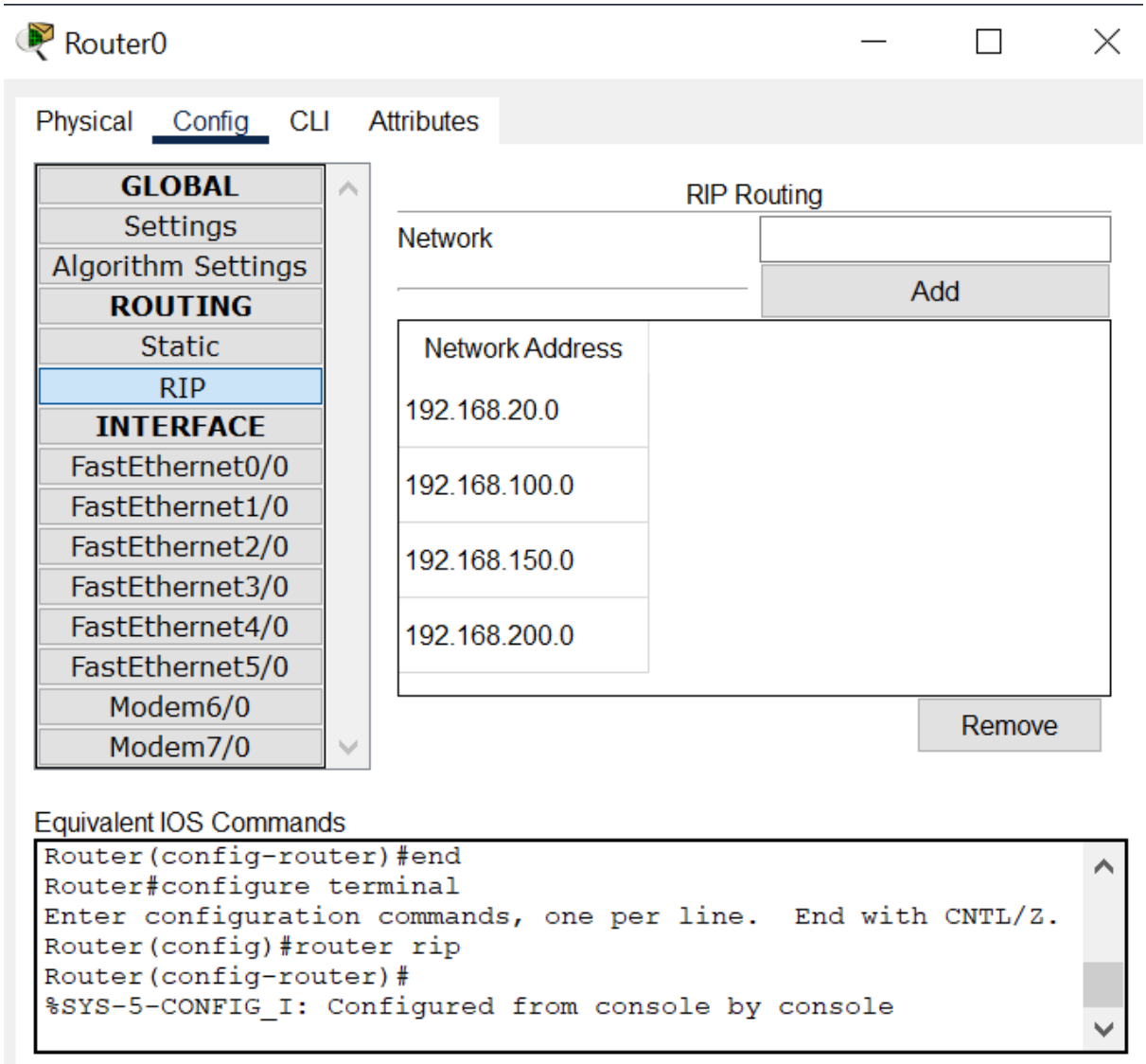
RIP

IP Address: 192.168.20.0

IP Address: 192. 168.100.0

IP Address: 192. 168. 150. 0

IP Address: 192. 168. 200. 0

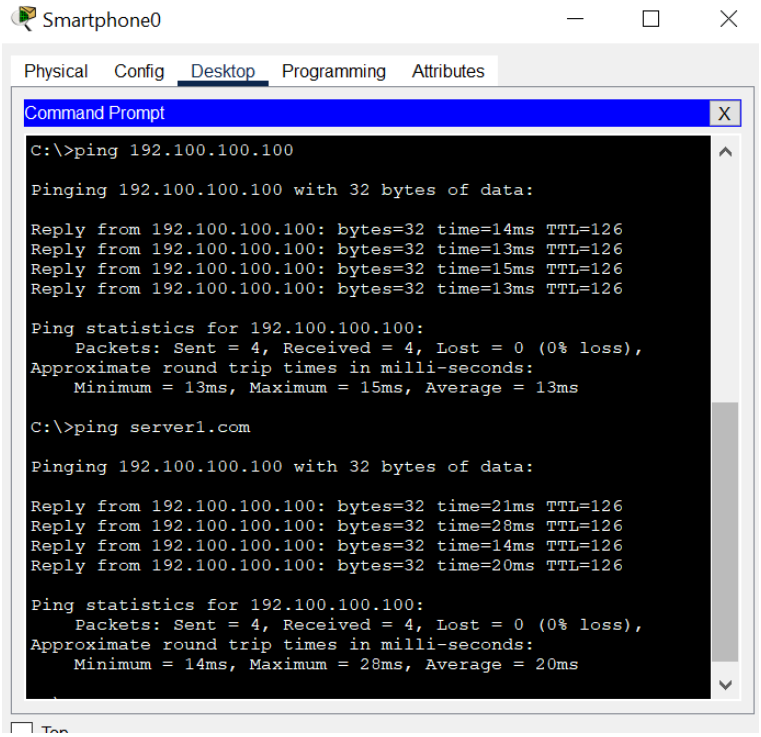

Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
FastEthernet2/0
FastEthernet3/0
FastEthernet4/0
FastEthernet5/0
Modem6/0
Modem7/0
RIP Routing
Network
Add
Network Address
192.168.20.0
192.168.100.0
192.168.150.0
192.168.200.0
Remove
Equivalent IOS Commands
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
%SYS-5-CONFIG_I: Configured from console by console

3. Testing Hasil Configuration

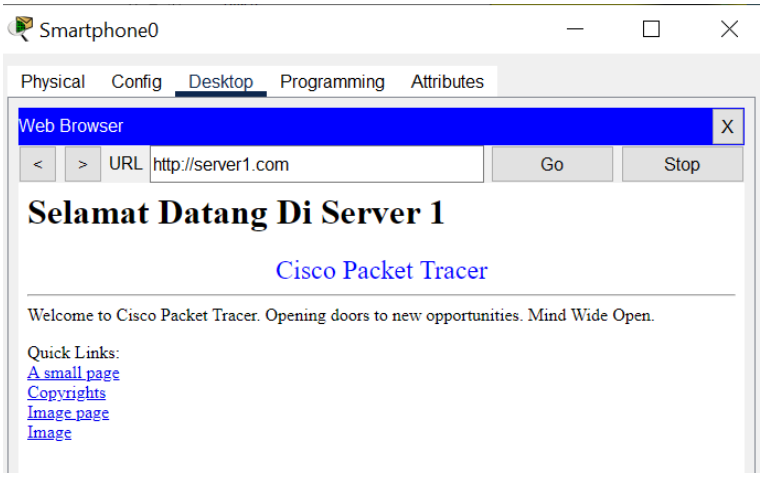
- Test Ping dari Smarthphone0

Smarthphone0 ke Server1

Result :



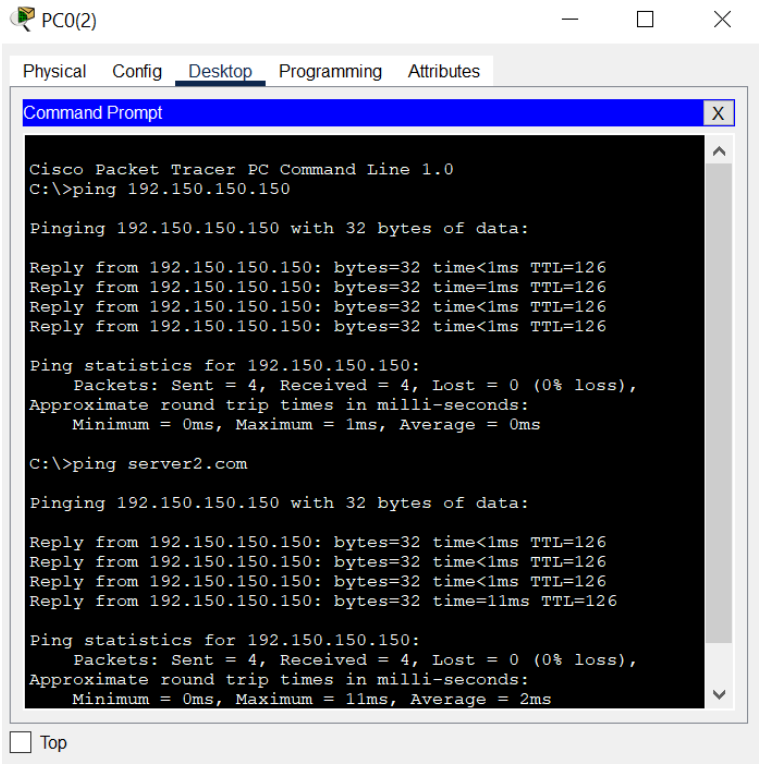
- Akses Dns dari Smarthphone0



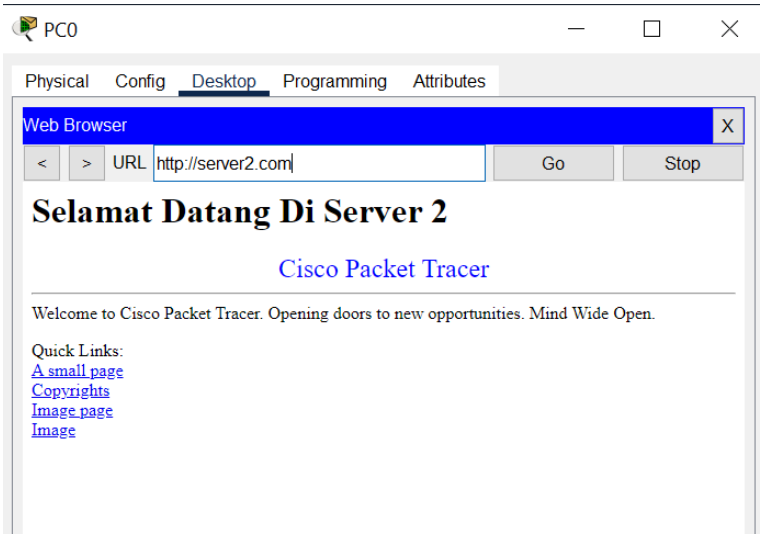
- Test Ping dari PC2

PC2 ke Server2

Result :



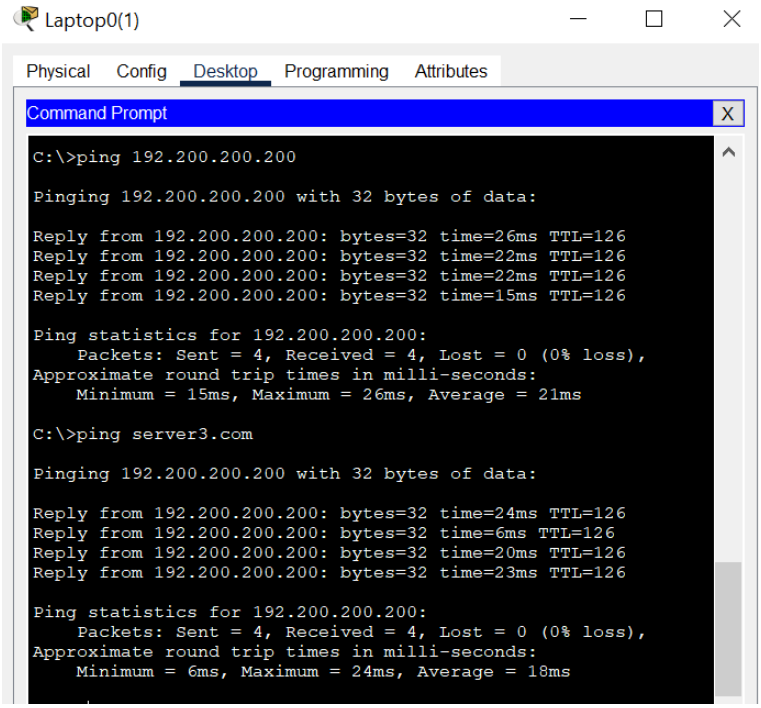
- Akses Dns dari PC2



- Test Ping dari Laptop1

Laptop1 ke Server3

Result :



- Akses Dns dari Laptop1