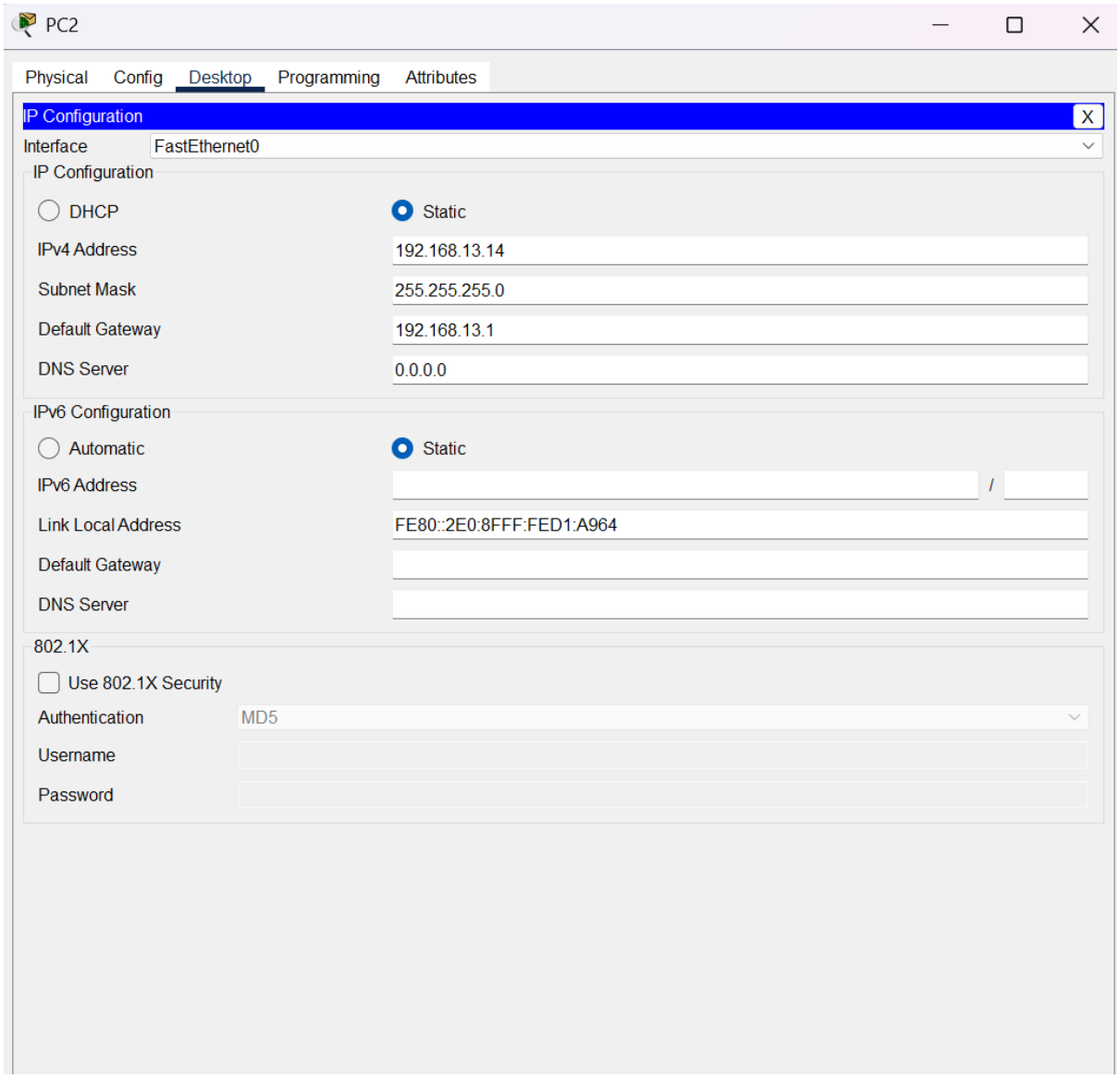
Nama : Iven Rival Pangestu

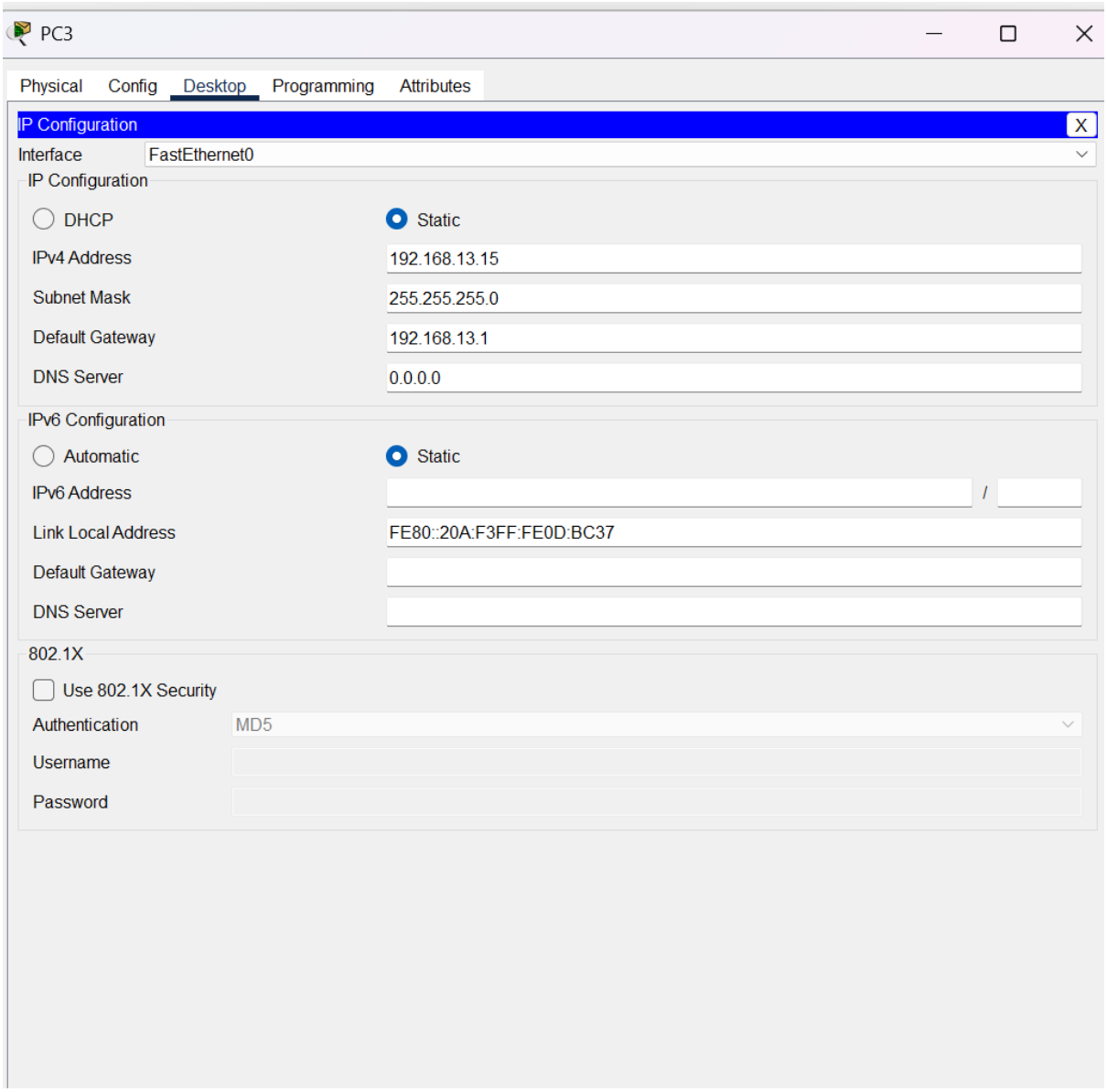
NIM : H1H024013

Shift Awal : A

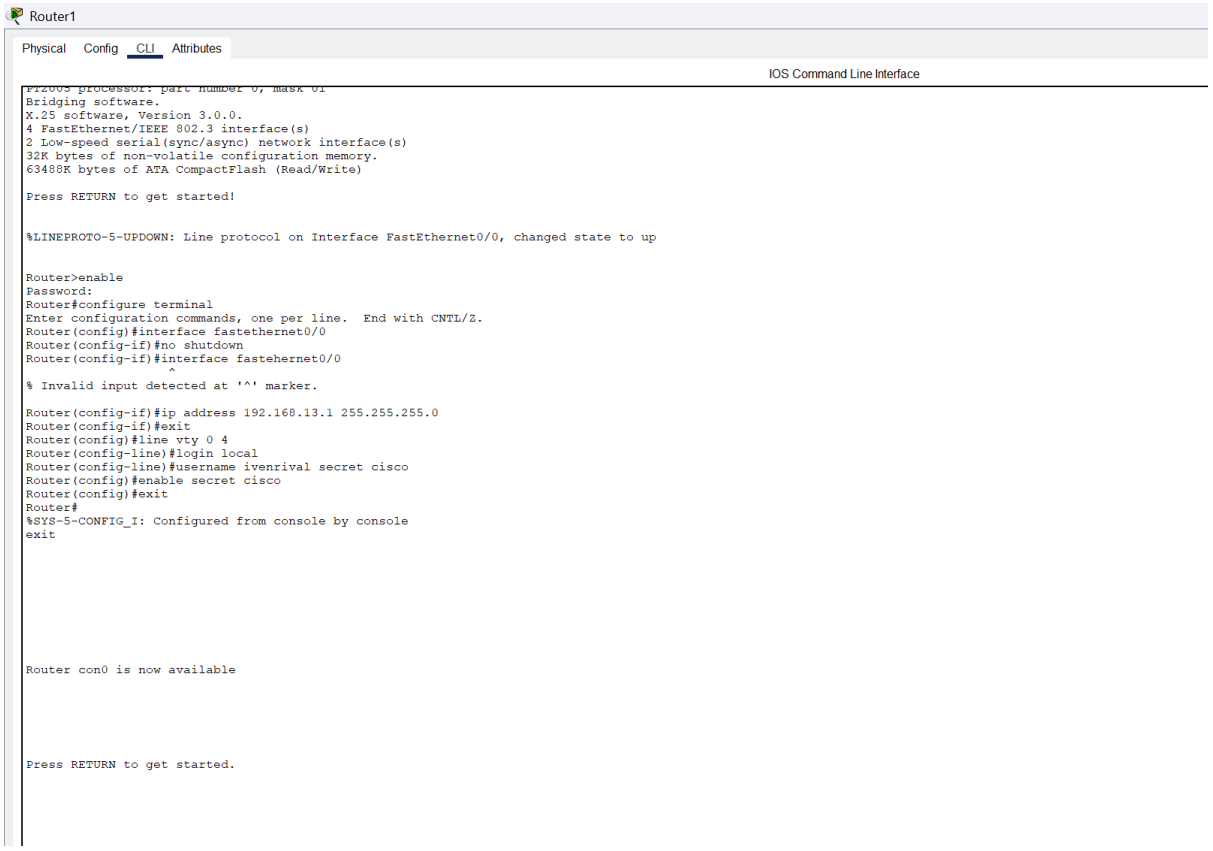
Shift Akhir : C

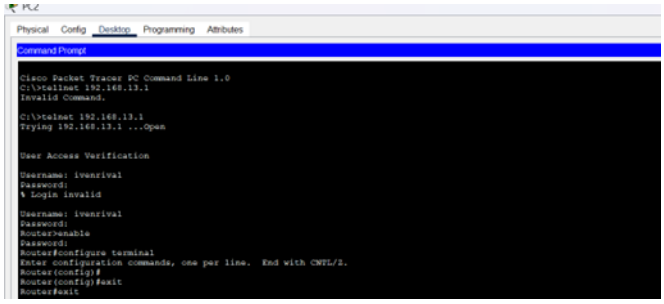
1. Konfigurasi IP dan Screenshot



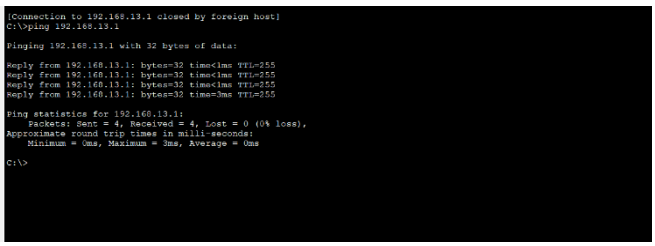

PC3
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.13.15
Subnet Mask
255.255.255.0
Default Gateway
192.168.13.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::20A:F3FF:FE0D:BC37
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password

2. Telnet remote screenshoot





3. Ping Output



4. Analisis Hasil

a. 192.168.67.1/24

b. 213.68.2.13/22

c. 37.13.69.14/27

d. 26.5.13.20/21

tentukan:

a. 192.168.67.1/24

1. Nilai Biner dari IP Address,
   11000000.10101000.01000011.00000001
2. Subnet Mask,
   255.255.255.0 ke binner 11111111.11111111.11111111.00000000
3. Network Address,
   192.168.67.0
4. Broadcast Address,
   192.168.67.255
5. Host Address,
   192.168.67.1 -- 192.168.67.254
6. Jumlah Address,
   256
7. Jumlah Host Address,
   256 - 2 = 254
8. Network Address berikutnya
   192.168.68.0

b. 213.68.2.13/22

1. Nilai Biner dari IP Address,
   11010101.01000100.00000010.00001101
2. Subnet Mask,
   255.255.252.0 ke binner 11111111.11111111.11111100.00000000
3. Network Address,
   213.68.0.0
4. Broadcast Address,
   213.68.3.255
5. Host Address,
   213.68.0.1 -- 213.68.3.254
6. Jumlah Address,

1024

7. Jumlah Host Address,

   1024 - 2 = 1022

8. Network Address berikutnya

   213.68.4.0

c. 37.13.69.14/27

1. Nilai Biner dari IP Address,

   00100101.00001101.01000101.00001110

2. Subnet Mask,

   255.255.255.224 ke binner 11111111.11111111.11111111.11100000

3. Network Address,

   37.13.69.0

4. Broadcast Address,

   37.13.69.31

5. Host Address,

   37.13.69.1 -- 37.13.69.30

6. Jumlah Address,

   32

7. Jumlah Host Address,

   32 - 2 = 330

8. Network Address berikutnya

   37.13.69.32/27

d. 26.5.13.20/21

1. Nilai Biner dari IP Address,

   00011010.00000101.00001101.00010100

2. Subnet Mask,

   255.255.248.0 ke binner 11111111.11111111.11111000.00000000

3. Network Address,

   26.5.8.0

4. Broadcast Address,

   26.5.15.255

5. Host Address,

26.5.8.1 -- 26.5.15.254

6. Jumlah Address,

   2048

7. Jumlah Host Address,

   2048 - 2 = 2046

8. Network Address berikutnya

   26.5.16.0