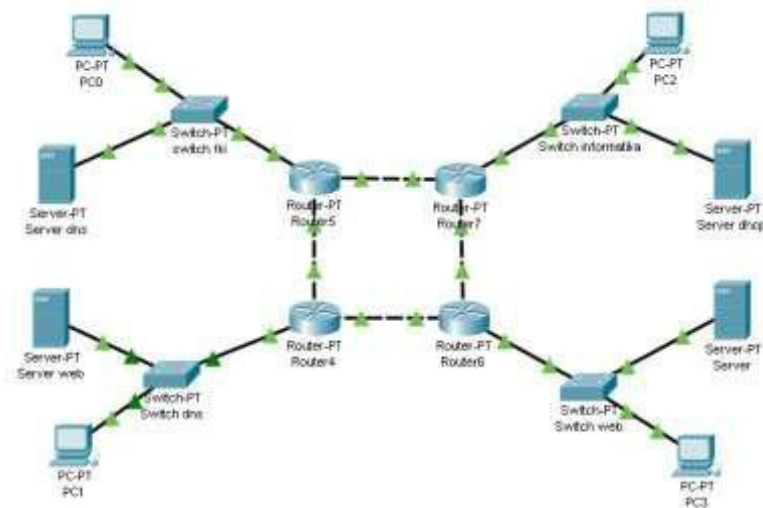


Nama : Afgani Bima Pradana

NIM : L200170024

Kelas : A

No . 1



No. 2

Konfigurasi PC

PC1

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.20.1

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: []

Link Local Address: FE80:201:43FF:FE98:E1E9

IPv6 Gateway: []

IPv6 DNS Server: []

802.1X

☐ Use 802.1X Security

Authentication: []

Username: []

Password: []

☐ Top

PC0

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.10.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: []

Link Local Address: FE80:201:F9FF:FE17:7CAE

IPv6 Gateway: []

IPv6 DNS Server: []

802.1X

☐ Use 802.1X Security

Authentication: []

Username: []

Password: []

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.20.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: []

Link Local Address: FE80:20D:A3FF:FE4B:DA01

IPv6 Gateway: []

IPv6 DNS Server: []

802.1X

☐ Use 802.1X Security

Authentication: []

Username: []

Password: []

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address: 192.168.10.3

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.3

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: []

Link Local Address: FE80:20D:BAFF:FE9C:DEB

IPv6 Gateway: []

IPv6 DNS Server: []

802.1X

☐ Use 802.1X Security

Authentication: []

Username: []

Password: []

☐ Top

Konfigurasi Router

Router 5

Router5

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status: ☒ On

Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address: 00E0.A375.5160

IP Configuration

IP Address: 192.168.10.1

Subnet Mask: 255.255.255.0

Tx Ring Limit: 10

Equivalent IOS Commands

```
Router>enable
Router#
Router>configure terminal
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

☐ Top

Router5

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status: ☒ On

Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address: 00E0.2F74.3CDD

IP Configuration

IP Address: 192.168.20.1

Subnet Mask: 255.255.255.0

Tx Ring Limit: 10

Equivalent IOS Commands

```
Router configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router

6

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0000 FF 11 01 0E

IP Configuration

IP Address 192.168.10.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00E0 A3 82 18 32

IP Configuration

IP Address 192.168.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001 4325 2444

IP Configuration

IP Address 192.168.30.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
```

☐ Top

Router6

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

MAC Address 0001 4325 9D10

IP Configuration

IP Address 192.168.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet4/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router 7

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000C.85C8.8488

IP Configuration

IP Address 192.168.10.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet1/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0006.2AC2.20C8

IP Configuration

IP Address 192.168.20.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0000.D399.7771

IP Configuration

IP Address 192.168.30.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#configure terminal
Router(config)#interface FastEthernet5/0
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router7

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

FastEthernet6/0

FastEthernet5/0

Port Status ☒ On

MAC Address 0007.ECDD.018B

IP Configuration

IP Address 192.168.40.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#configure terminal
Router(config)#interface FastEthernet5/0
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

Router 4

Router4

Physical **Config** CLI Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet6/0

FastEthernet0/0

Port Status ☒ On
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto
MAC Address 0007 EC52 C191

IP Configuration
IP Address 192.168.10.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router(config)#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#
```

☐ Top

Router4

Physical **Config** CLI Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet6/0

FastEthernet1/0

Port Status ☒ On
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto
MAC Address 0060 4714 0B70

IP Configuration
IP Address 192.168.20.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

Router4

Physical **Config** CLI Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet6/0

FastEthernet6/0

Port Status ☒ On
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto
MAC Address 0060 5C80 37AB

IP Configuration
IP Address 192.168.30.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
```

☐ Top

Router4

Physical **Config** CLI Attributes

GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
FastEthernet6/0

FastEthernet5/0

Port Status ☒ On
MAC Address 0004 8A5A 5D51

IP Configuration
IP Address 192.168.40.1
Subnet Mask 255.255.255.0

Tx Ring Limit 10

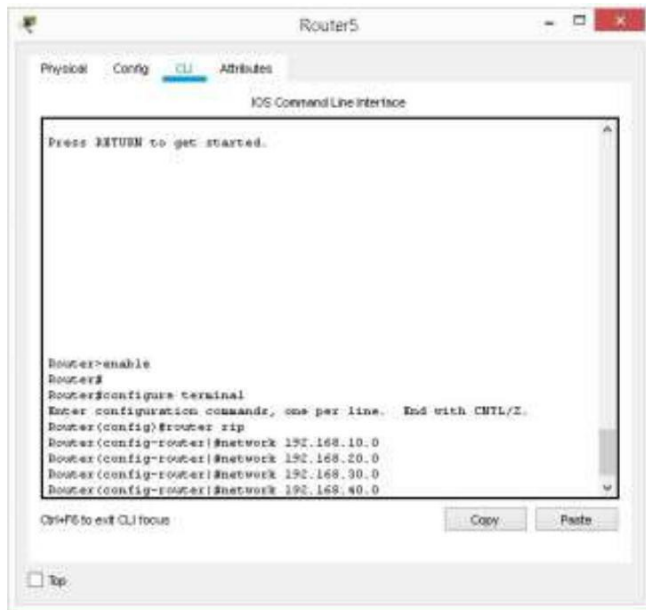
Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet6/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

☐ Top

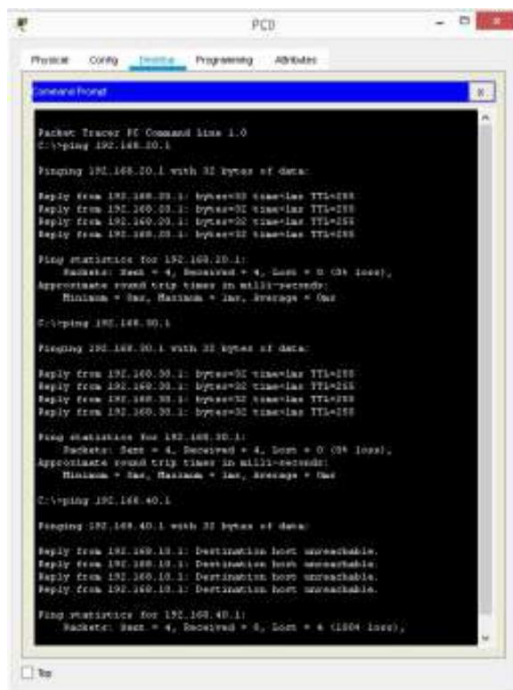
No. 3

Route Dinamis

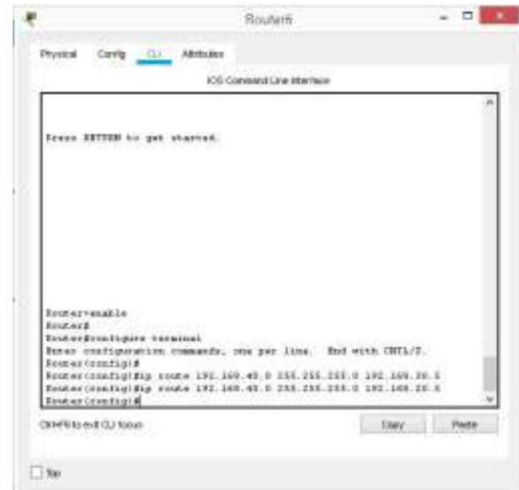


Uji Koneksi antar PC

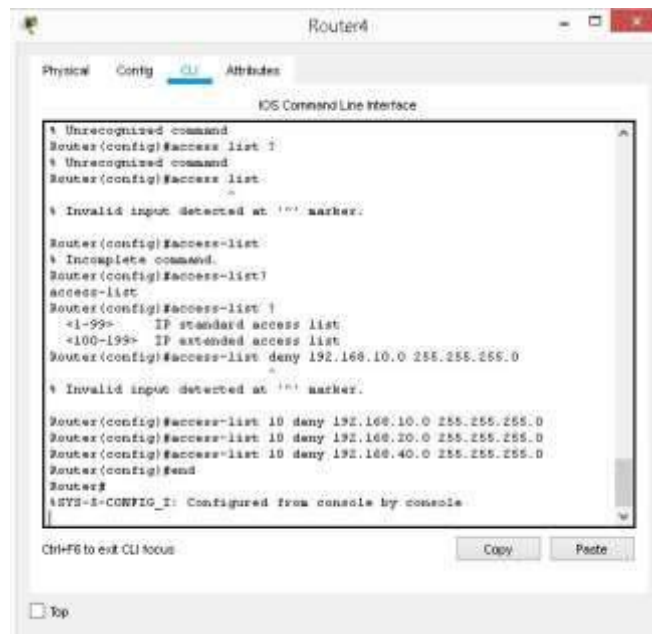
No. 4



Route Static



No. 5



```
Router4
Physical Config CLI Attributes
IOS Command Line Interface
% Unrecognized command
Router(config)#access list 1
% Unrecognized command
Router(config)#access list
% Invalid input detected at '^' marker.

Router(config)#access-list
% Incomplete command.
Router(config)#access-list)
access-list
Router(config)#access-list 1
<1-99> IP standard access list
<100-199> IP extended access list
Router(config)#access-list deny 192.168.10.0 255.255.255.0
% Invalid input detected at '^' marker.

Router(config)#access-list 10 deny 192.168.10.0 255.255.255.0
Router(config)#access-list 10 deny 192.168.20.0 255.255.255.0
Router(config)#access-list 10 deny 192.168.40.0 255.255.255.0
Router(config)#end
Router#
SYS-1-CONFIG_I: Configured from console by console

Ctrl+F6 to exit CLI focus
Copy Paste
Top
```

Disini semua akses dari 192.168.10, 192.168.20, 192.168.40 tidak diijinkan melewati router 4 sehingga hanya PC 1 yang bisa mengakses server web