Laporan UAS Jaringan Komputer
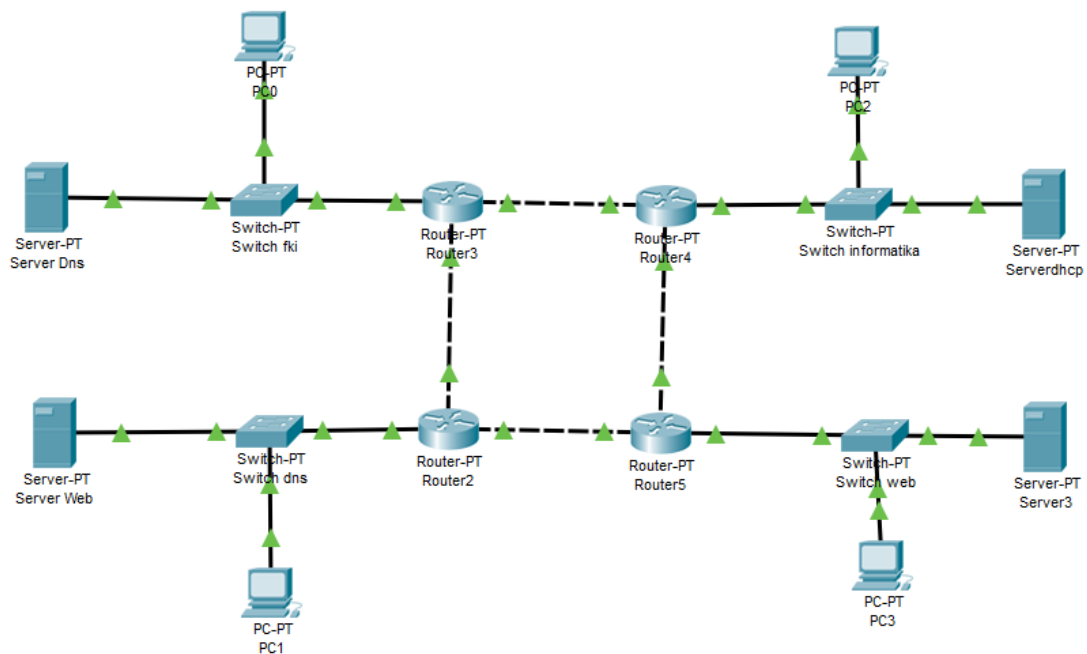

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NIM : L200170030

Kelas : A

No . 1

No. 2

Konfigurasi PC

Konfigurasi Router

Router 5

Router 6

FastEthernet0/0

FastEthernet0/0	
Port Status	☑ On
Bandwidth	◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex	○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address	00D0.FF11.D18E

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

FastEthernet1/0

FastEthernet1/0	
Port Status	☑ On
Bandwidth	◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex	○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address	00E0.A382.1832

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

☐ Top

FastEthernet6/0

FastEthernet6/0	
Port Status	☑ On
Bandwidth	◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex	○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address	0001.4325.24A4

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

FastEthernet5/0

FastEthernet5/0	
Port Status	☑ On
MAC Address	0001.4323.9D10

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

☐ Top

Router 7

FastEthernet0/0

Field	Value
Port Status	On
Bandwidth	100 Mbps / 10 Mbps / Auto
Duplex	Half Duplex / Full Duplex / Auto
MAC Address	000C.85C8.8488
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)#
```

FastEthernet1/0

Field	Value
Port Status	On
Bandwidth	100 Mbps / 10 Mbps / Auto
Duplex	Half Duplex / Full Duplex / Auto
MAC Address	0006.2AC2.20CB
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)#
```

FastEthernet6/0

Field	Value
Port Status	On
Bandwidth	100 Mbps / 10 Mbps / Auto
Duplex	Half Duplex / Full Duplex / Auto
MAC Address	00D0.D399.7771
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)#
```

FastEthernet5/0

Field	Value
Port Status	On
MAC Address	0007.ECDD.016B
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)#
```

Router 4

Router4 — Physical / Config / CLI / Attributes

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


Router4 — Physical / Config / CLI / Attributes

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)#
```


Router4 — Physical / Config / CLI / Attributes

FastEthernet6/0
- Port Status: ☑ On
- Bandwidth: ○ 100 Mbps ○ 10 Mbps ☑ Auto
- Duplex: ○ Half Duplex ● Full Duplex ☑ Auto
- MAC Address: 0060.5CB0.37AB
- 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)#
```


Router4 — Physical / Config / CLI / Attributes

FastEthernet5/0
- Port Status: ☑ On
- MAC Address: 0004.9A5A.5D51
- IP Configuration
  - IP Address: 192.168.40.1
  - Subnet Mask: 255.255.255.0
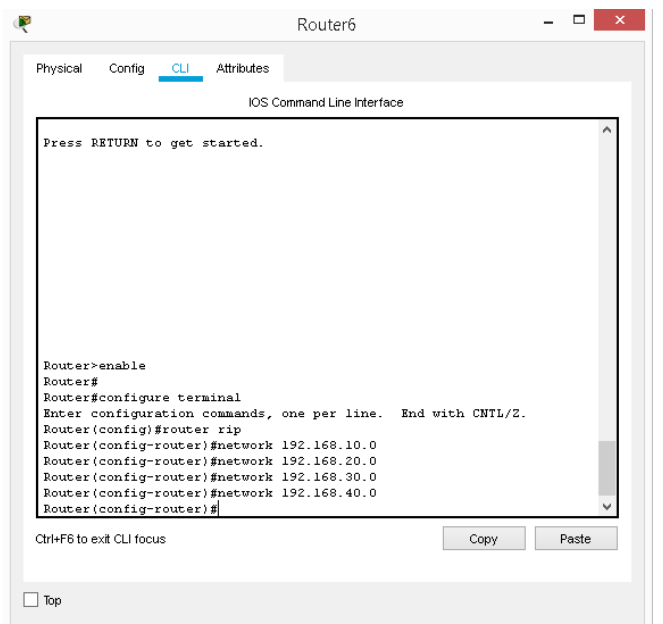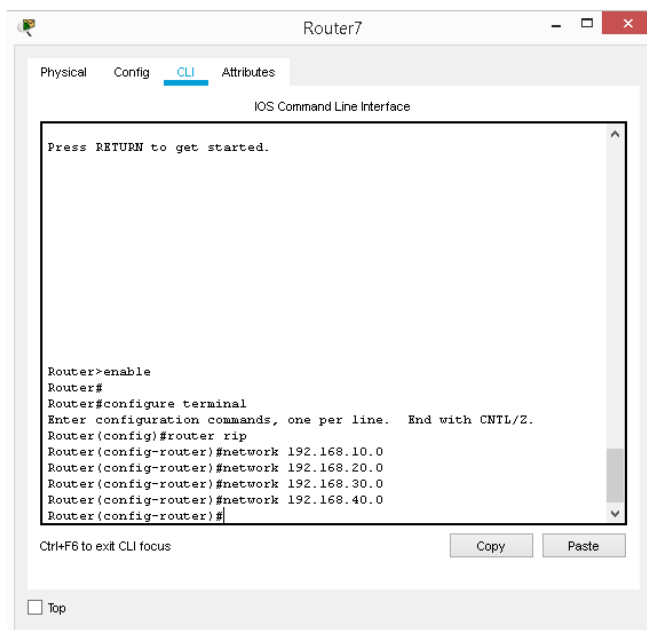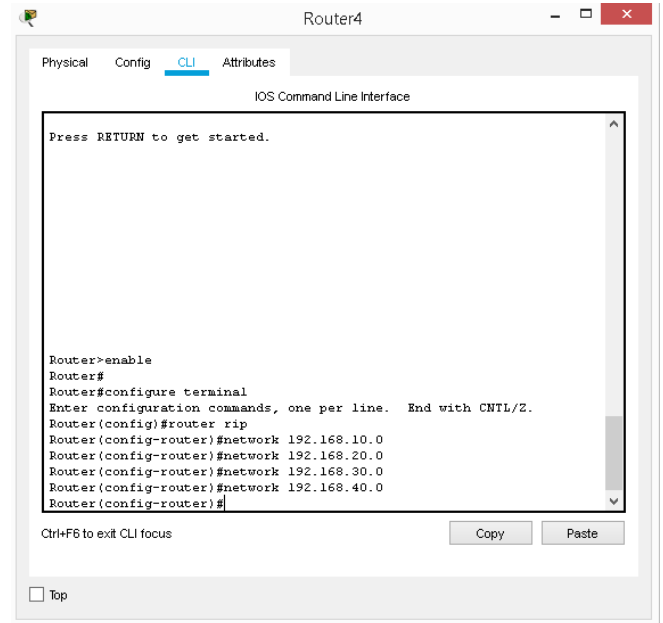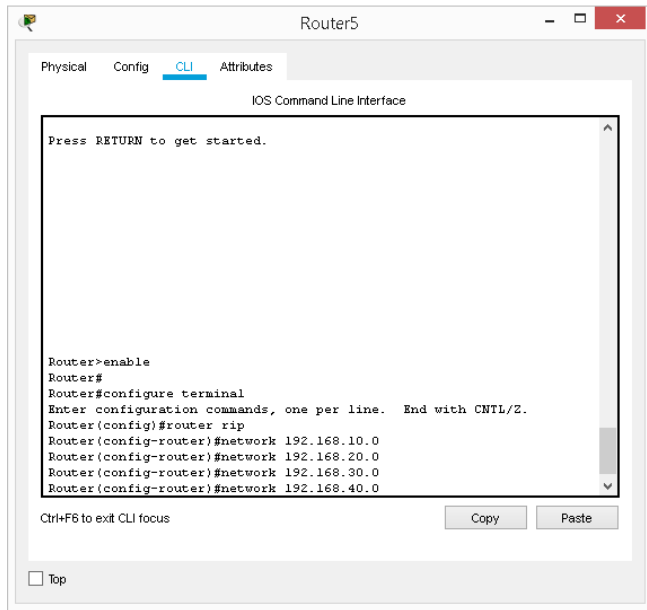- Tx Ring Limit: 10

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)#
```
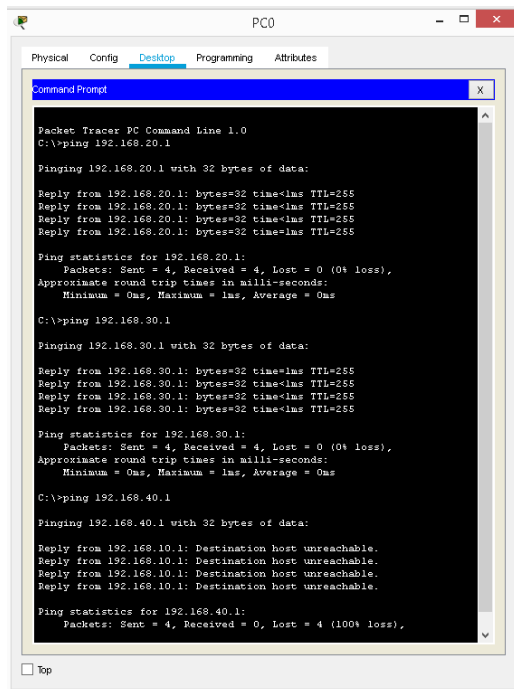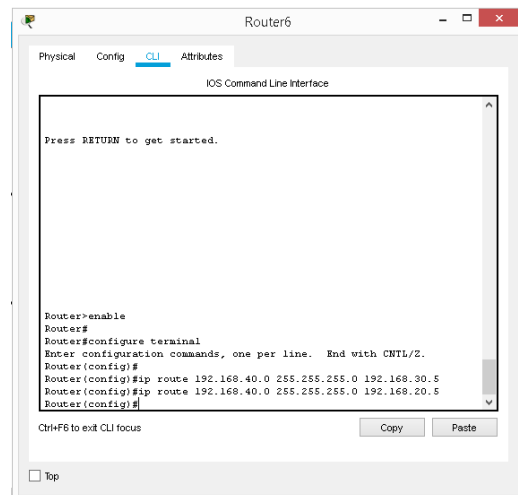
No. 3

Route Dinamis

Router5

IOS Command Line Interface

```
Press RETURN to get started.




Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.40.0
```

Router4

IOS Command Line Interface

```
Press RETURN to get started.




Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.40.0
Router(config-router)#
```

Router7

IOS Command Line Interface

```
Press RETURN to get started.




Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.40.0
Router(config-router)#
```

Router6

IOS Command Line Interface

```
Press RETURN to get started.




Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.30.0
Router(config-router)#network 192.168.40.0
Router(config-router)#
```

No. 4

Uji Koneksi antar PC

Route Static
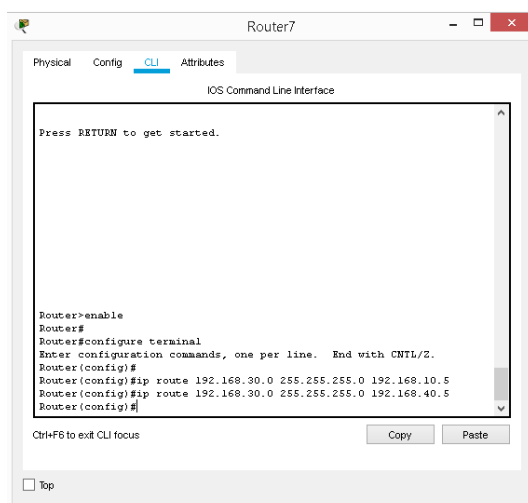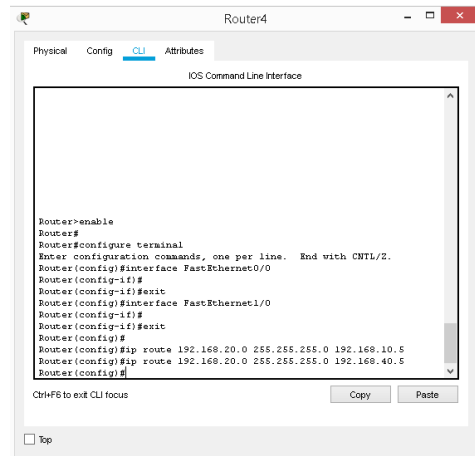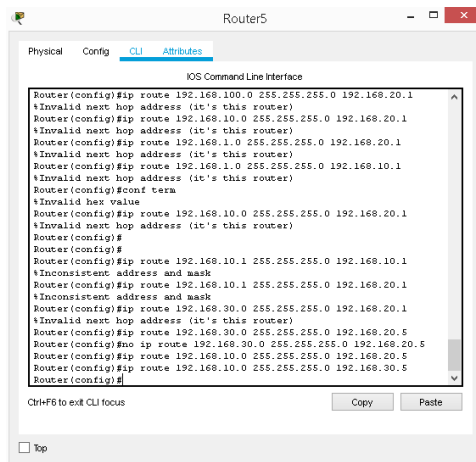
No. 5


```
                          Router4                    _  □  ×

Physical   Config   CLI   Attributes

                    IOS Command Line Interface

% Unrecognized command
Router(config)#access list ?
% 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 ?
  <1-99>     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-5-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