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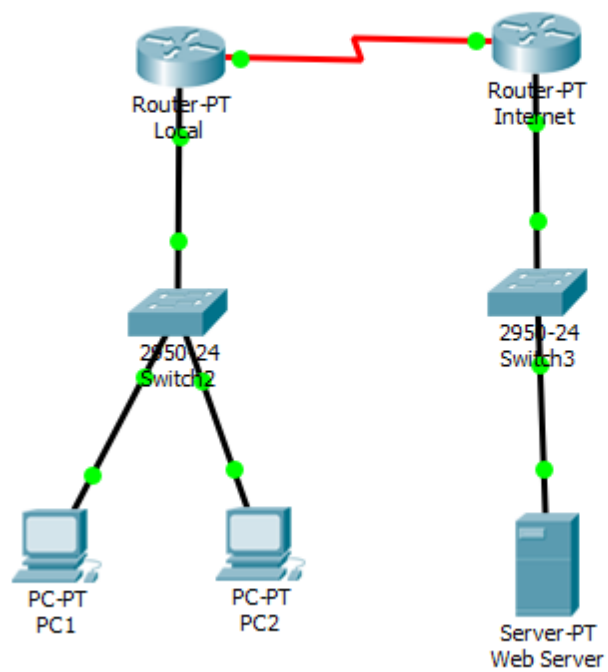
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Prak Jarkom Modul 9

KEGIATAN

1. Topologi Jaringan



2. IP Internet

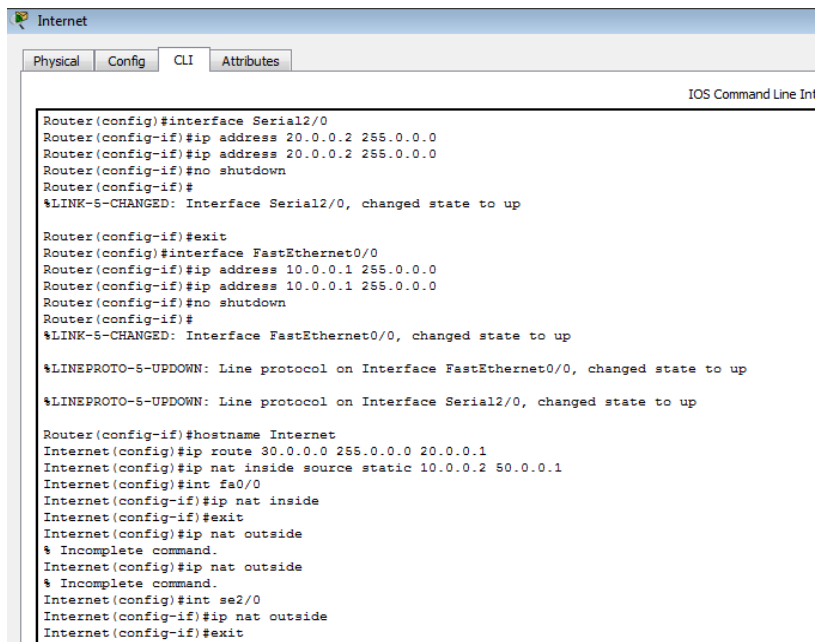
The screenshot shows the 'Internet' configuration window with the 'Config' tab selected. The left sidebar has a tree view with 'INTERFACE' expanded and 'FastEthernet0/0' selected. The main area displays the configuration for 'FastEthernet0/0'. The 'Port Status' is 'On'. 'Bandwidth' is set to '100 Mbps'. 'Duplex' is set to 'Full Duplex'. The 'MAC Address' is '0090.2B9E.C801'. The 'IP Configuration' section shows 'IP Address' as '10.0.0.1' and 'Subnet Mask' as '255.0.0.0'. The 'Tx Ring Limit' is '10'.

Section	Parameter	Value
Port Status	Port Status	<input checked="" type="checkbox"/> On
	Bandwidth	100 Mbps
Duplex	Duplex	Full Duplex
	MAC Address	0090.2B9E.C801
IP Configuration	IP Address	10.0.0.1
	Subnet Mask	255.0.0.0
Tx Ring Limit	Tx Ring Limit	10

The screenshot shows the 'Internet' configuration window with the 'Config' tab selected. The left sidebar has a tree view with 'INTERFACE' expanded and 'Serial2/0' selected. The main area displays the configuration for 'Serial2/0'. The 'Port Status' is 'On'. 'Duplex' is set to 'Full Duplex'. The 'Clock Rate' is '1200'. The 'IP Configuration' section shows 'IP Address' as '20.0.0.2' and 'Subnet Mask' as '255.0.0.0'. The 'Tx Ring Limit' is '10'.

Section	Parameter	Value
Port Status	Port Status	<input checked="" type="checkbox"/> On
	Duplex	Full Duplex
Clock Rate	Clock Rate	1200
IP Configuration	IP Address	20.0.0.2
	Subnet Mask	255.0.0.0
Tx Ring Limit	Tx Ring Limit	10

3. CLI Internet



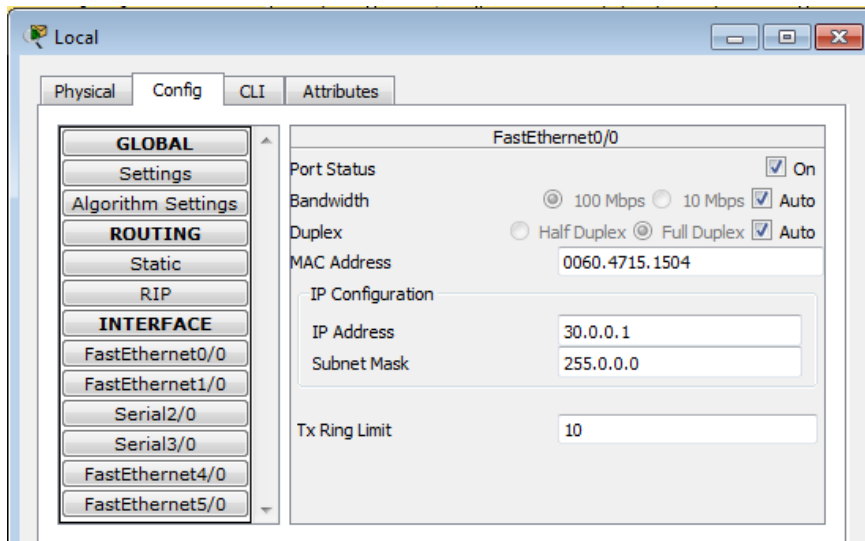
```
Router(config)#interface Serial2/0
Router(config-if)#ip address 20.0.0.2 255.0.0.0
Router(config-if)#ip address 20.0.0.2 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config-if)#hostname Internet
Internet(config)#ip route 30.0.0.0 255.0.0.0 20.0.0.1
Internet(config)#ip nat inside source static 10.0.0.2 50.0.0.1
Internet(config)#int fa0/0
Internet(config-if)#ip nat inside
Internet(config-if)#exit
Internet(config)#ip nat outside
% Incomplete command.
Internet(config)#ip nat outside
% Incomplete command.
Internet(config)#int se2/0
Internet(config-if)#ip nat outside
Internet(config-if)#exit
```

4. IP Lokal



Local

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING**
- Static
- RIP
- INTERFACE**
- FastEthernet0/0
- FastEthernet1/0
- Serial2/0
- Serial3/0
- FastEthernet4/0
- FastEthernet5/0

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

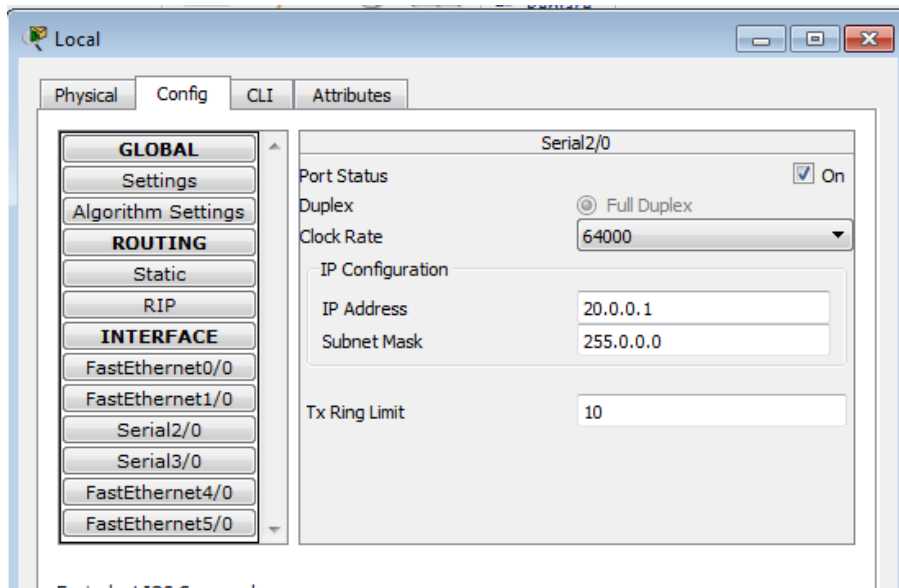
MAC Address 0060.4715.1504

IP Configuration

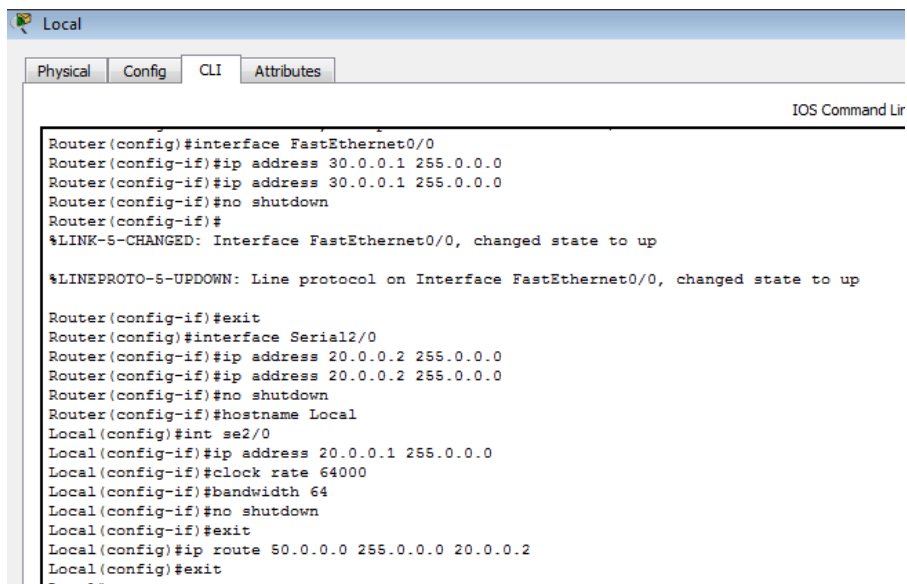
IP Address 30.0.0.1

Subnet Mask 255.0.0.0

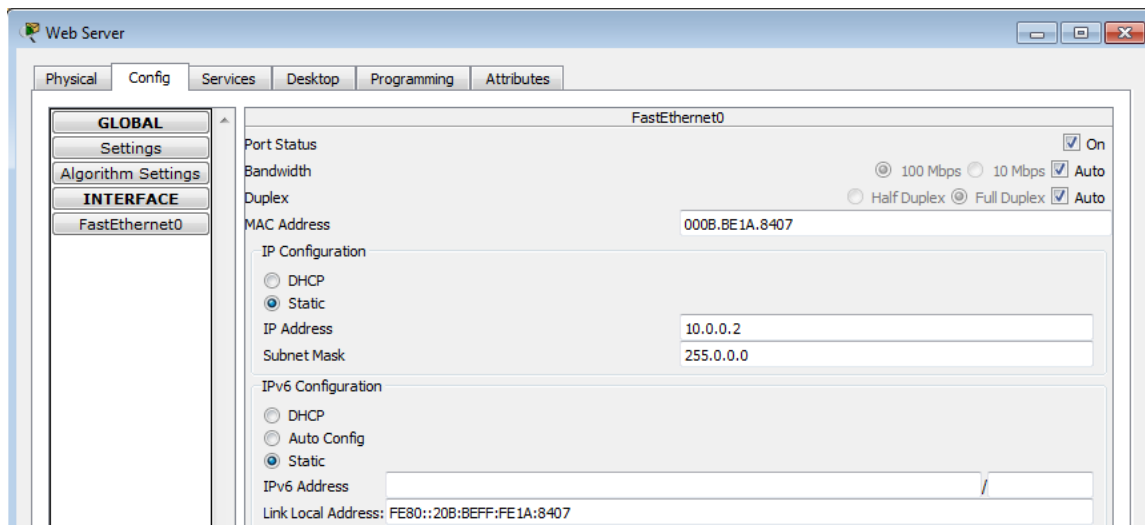
Tx Ring Limit 10



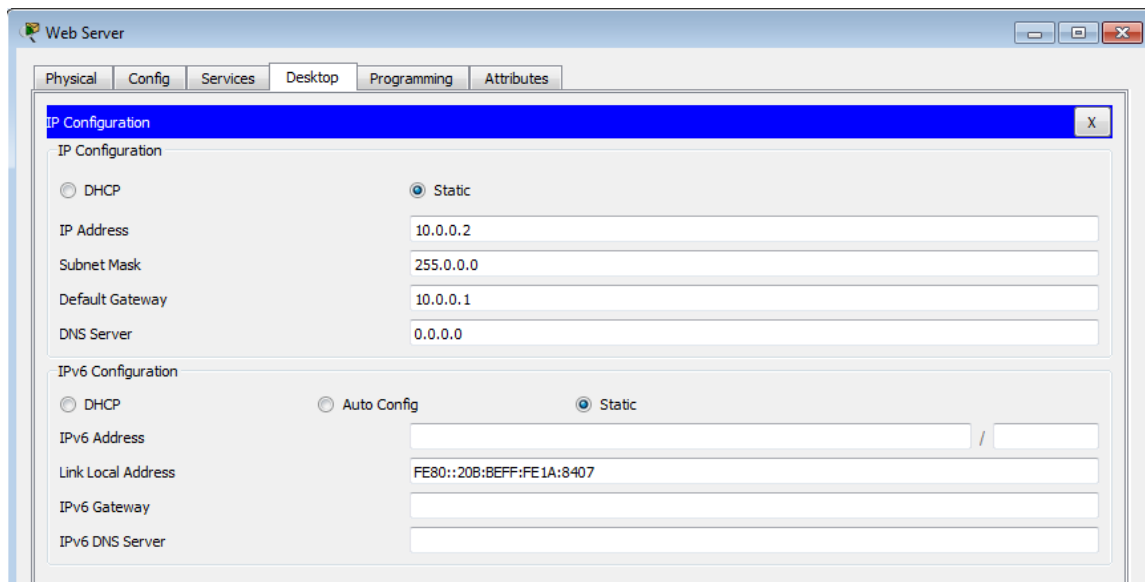
5. CLI Lokal



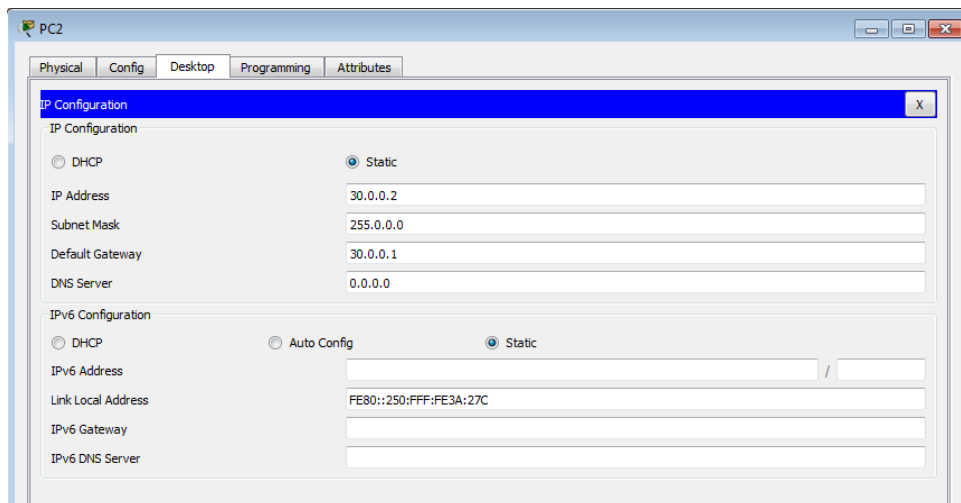
6. Ip Server



7. IP Configuration Server



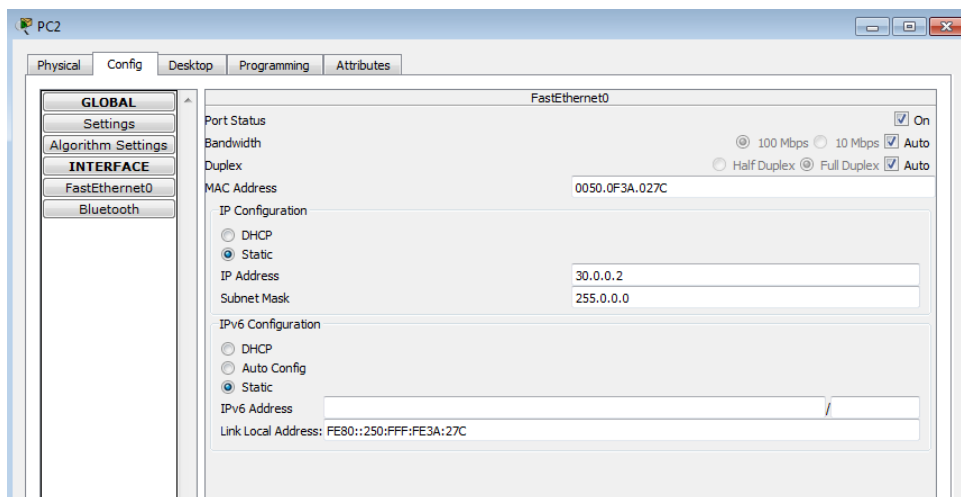
8. IP PC1



The screenshot shows the 'PC2' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, displaying settings for both IPv4 and IPv6. The IPv4 configuration is set to 'Static' with an IP Address of 30.0.0.2, Subnet Mask of 255.0.0.0, Default Gateway of 30.0.0.1, and DNS Server of 0.0.0.0. The IPv6 configuration is also set to 'Static' with a Link Local Address of FE80::250:FFF:FE3A:27C.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	30.0.0.2
Subnet Mask	255.0.0.0
Default Gateway	30.0.0.1
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::250:FFF:FE3A:27C
IPv6 Gateway	
IPv6 DNS Server	

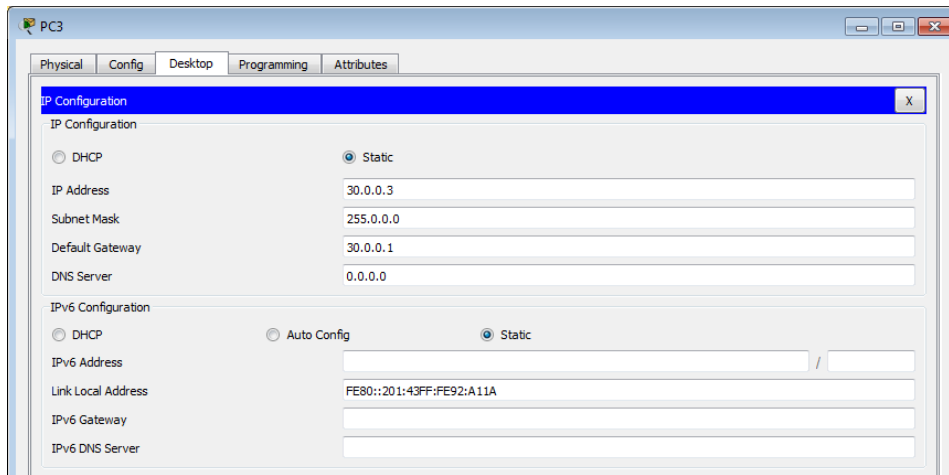
9. IP FastEthernet0 PC1



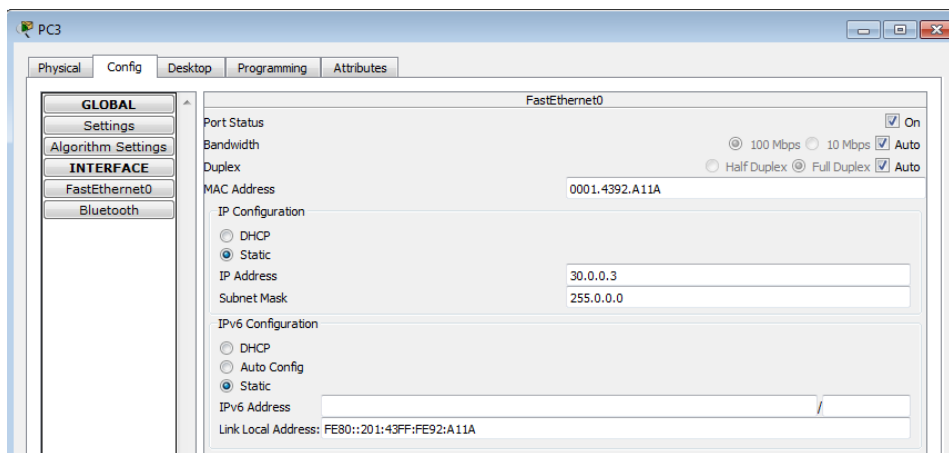
The screenshot shows the 'PC2' configuration window with the 'Config' tab selected. The 'FastEthernet0' interface is selected under the 'INTERFACE' section. The 'Port Status' is 'On', 'Bandwidth' is 'Auto', and 'Duplex' is 'Auto'. The 'MAC Address' is 0050.0F3A.027C. The 'IP Configuration' is set to 'Static' with an IP Address of 30.0.0.2 and Subnet Mask of 255.0.0.0. The 'IPv6 Configuration' is set to 'Static' with a Link Local Address of FE80::250:FFF:FE3A:27C.

FastEthernet0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="checkbox"/> 100 Mbps <input type="checkbox"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="checkbox"/> Half Duplex <input checked="" type="checkbox"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0050.0F3A.027C
IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	30.0.0.2
Subnet Mask	255.0.0.0
IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::250:FFF:FE3A:27C

10. IP PC2



11. IP FastEthernet0 PC2



12. Ping pertama pada IP asli dari web server(10.0.0.2)

```
C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

13. Ping kedua pada IP public web server 50.0.0.1

```
C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=3ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=2ms TTL=126

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 3ms, Average = 2ms
```


TUGAS

1. Kembangkan Topologi Jaringan

