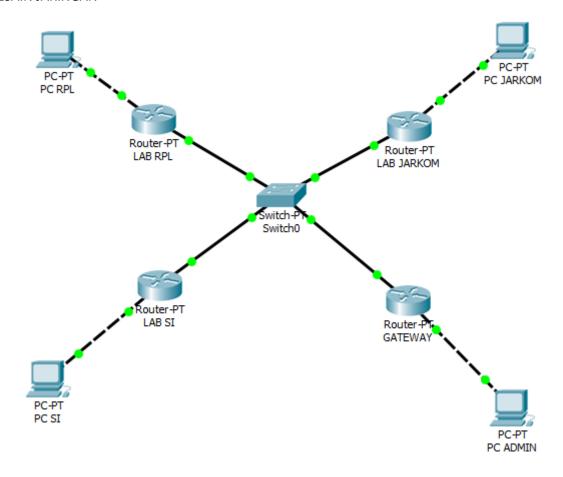
NAMA: WINDI SAPUTRI

KELAS: C

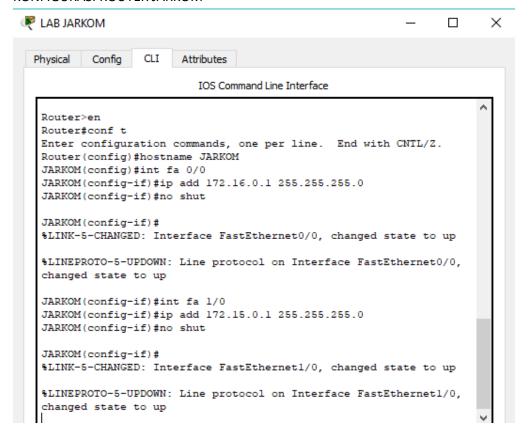
NIM: L200170115

TUGAS MODUL 11

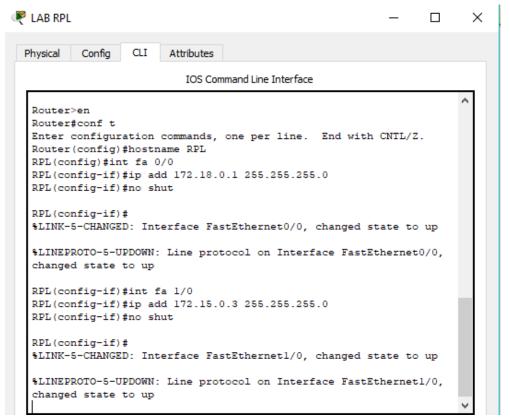
1. DESAIN JARINGAN



2. KONFIGURASI ROUTER JARKOM



3. KONFIGURASI ROUTER RPL

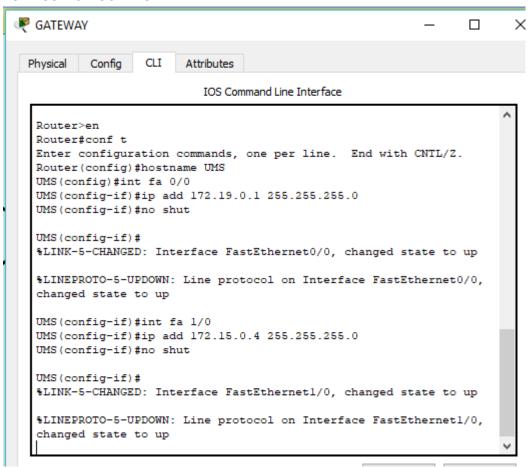


4. KONFIGURASI ROUTER SI

```
SI(config-if) #int fa 0/0
SI(config-if) #ip add 172.17.0.1 255.255.255.0
SI(config-if) #no shut
SI(config-if) #int fa 1/0
SI(config-if) #ip add 172.15.0.2 255.255.255.0
SI(config-if) #no shut

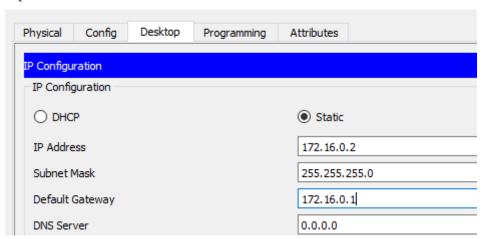
SI(config-if) # %LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
```

5. KONFIGURASI ROUTER GATEWAY

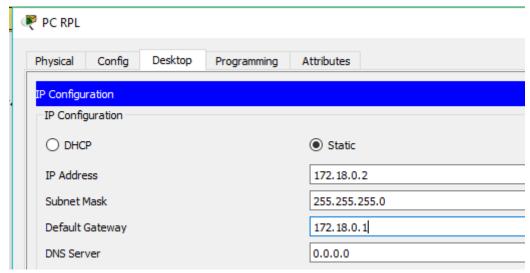


6. KONFIGURASI PC JARKOM

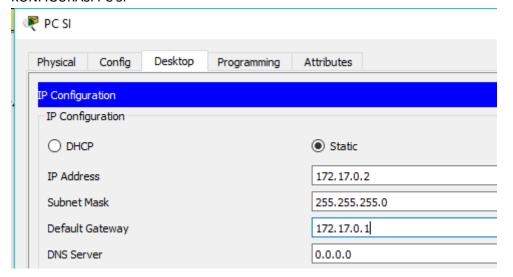




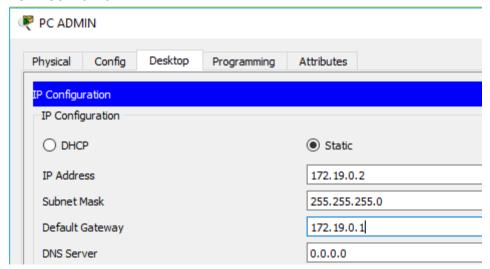
7. KONFIGURASI PC RPL



8. KONFIGURASI PC SI



9. KONFIGURASI PCADMIN



10. ROUTING - ROUTER JARKOM

```
JARKOM>en
JARKOM#conf t
Enter configuration commands, one per line. End with CNTL/Z.
JARKOM(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
JARKOM(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
JARKOM(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
JARKOM(config)#
```

11. ROUTING - ROUTER RPL

```
RPL>en
RPL#conf t
Enter configuration commands, one per line. End with CNTL/Z.
RPL(config) #ip route 172.16.0.0 255.255.255.0 172.15.0.1
RPL(config) #ip route 172.17.0.0 255.255.255.0 172.15.0.2
RPL(config) #ip route 172.19.0.0 255.255.255.0 172.15.0.4
RPL(config) #
```

12. ROUTING - ROUTER SI

```
SI>en
SI#conf t
Enter configuration commands, one per line. End with CNTL/Z.
SI(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
SI(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
SI(config)#ip route 172.19.0.0 255.255.255.0 172.15.0.4
SI(config)#
```

13. ROUTING - ROUTER GATEWAY

```
UMS>en
UMS#conf t
Enter configuration commands, one per line. End with CNTL/Z.
UMS(config)#ip route 172.16.0.0 255.255.255.0 172.15.0.1
UMS(config)#ip route 172.18.0.0 255.255.255.0 172.15.0.3
UMS(config)#ip route 172.17.0.0 255.255.255.0 172.15.0.2
UMS(config)#
```

14. MELAKUKAN PING

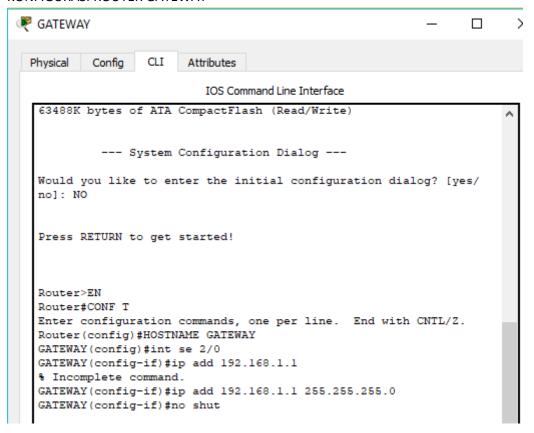
```
PC ADMIN
                                                                                                        Physical Config Desktop
                               Programming Attributes
    Command Prompt
   Pinging 172.16.0.2 with 32 bytes of data:
   Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.16.0.2: bytes=32 time=10ms TTL=126 Reply from 172.16.0.2: bytes=32 time=16ms TTL=126
   Reply from 172.16.0.2: bytes=32 time=11ms TTL=126
   Ping statistics for 172.16.0.2:
       Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
Minimum = Oms, Maximum = 16ms, Average = 9ms
    C:\>ping 172.17.0.2
   Pinging 172.17.0.2 with 32 bytes of data:
   Reply from 172.17.0.2: bytes=32 time=1ms TTL=126
   Reply from 172.17.0.2: bytes=32 time<1ms TTL=126 Reply from 172.17.0.2: bytes=32 time=4ms TTL=126 Reply from 172.17.0.2: bytes=32 time=12ms TTL=126
    Ping statistics for 172.17.0.2:
        Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
   Approximate round trip times in milli-seconds:
        Minimum = Oms, Maximum = 12ms, Average = 4ms
    C:\>ping 172.18.0.2
   Pinging 172.18.0.2 with 32 bytes of data:
   Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
   Reply from 172.18.0.2: bytes=32 time=12ms TTL=126 Reply from 172.18.0.2: bytes=32 time=12ms TTL=126
   Reply from 172.18.0.2: bytes=32 time=11ms TTL=126
    Ping statistics for 172.18.0.2:
        Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = Ome, Maximum = 12ms, Average = 8ms
```

NOMER 2 - STATIC

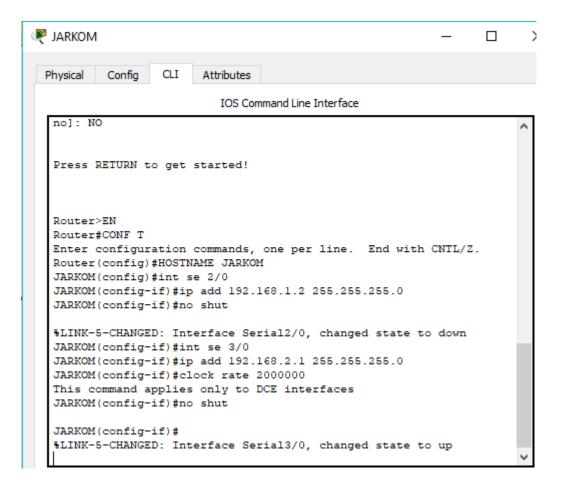
1. DESAIN JARINGAN



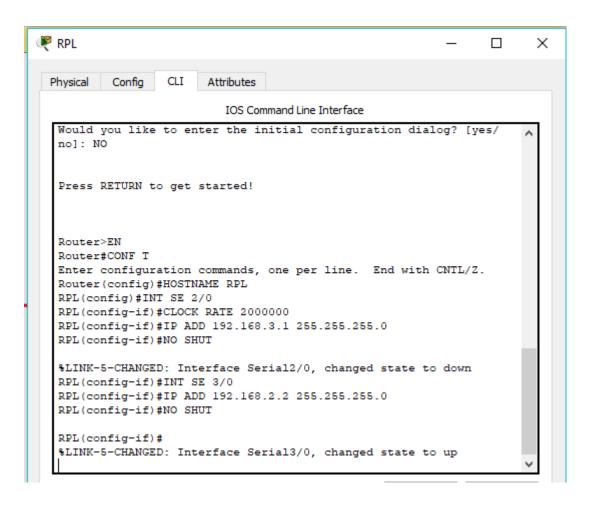
2. KONFIGURASI ROUTER GATEWAY



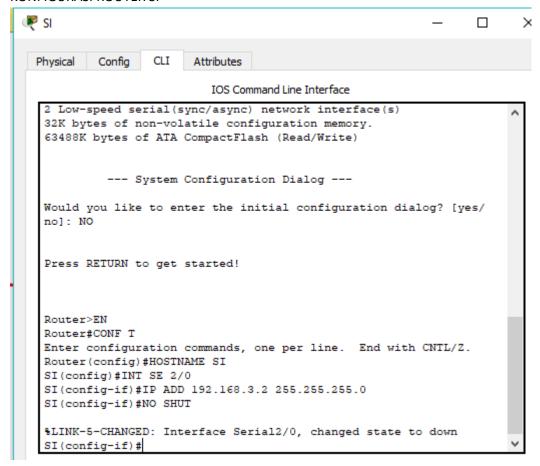
3. KONFIGURASI ROUTER JARKOM



4. KONFIGURASI ROUTER RPL



5. KONFIGURASI ROUTER SI



6. ROUTING - ROUTER GATEWAY

```
GATEWAY(config-if) #EXIT

GATEWAY(config) #ip route 192.168.2.0 255.255.255.0 192.168.1.2

GATEWAY(config) #ip route 192.168.3.0 255.255.255.0 192.168.1.2

GATEWAY(config) #
```

7. ROUTING - ROUTER JARKOM

JARKOM(config) #ip route 192.168.3.0 255.255.255.0 192.168.2.2 JARKOM(config) #

8. ROUTING - ROUTER RPL

RPL(config) # ip route 192.168.1.0 255.255.255.0 192.168.2.1 RPL(config) #

9. ROUTING - ROUTER SI

```
SI(config) #ip route 192.168.1.0 255.255.255.0 192.168.3.1 SI(config) #ip route 192.168.2.0 255.255.255.0 192.168.3.1 SI(config) #
```

10. UJI KONEJTIVITAS

```
GATEWAY#PING 192.168.2.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.1, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/4/13 ms
```

NOMOR 2 - DINAMIS (RIP)

1. DESAIN JARINGAN

```
GATEWAY>en
GATEWAY#conf t
Enter configuration commands, one per line. End with CNTL/Z.
GATEWAY(config)#router rip
GATEWAY(config-router)#net 192.168.2.0
GATEWAY(config-router)#net 192.168.3.0
```

2. ROUTING - ROUTE JARKOM

```
JARKOM(config) #router rip
JARKOM(config-router) #net 192.168.1.0
JARKOM(config-router) #
```

3. ROUTING - ROUTE RPL

```
RPL(config) #ROUTER RIP
RPL(config-router) #NET 192.168.1.0
RPL(config-router) #
```

4. ROUTING - ROUTE SI

```
SI(config) #ROUTER RIP
SI(config-router) #NET 192.168.1.0
SI(config-router) #NET 192.168.2.0
SI(config-router) #
```

5. UJI KONEKTIVITAS

```
$SYS-5-CONFIG_I: Configured from console by console

gateway*ping 192.168.2.2

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.2, timeout is 2 seconds:
!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 2/5/10 ms

gateway*ping 192.168.3.2

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.3.2, timeout is 2 seconds:
!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 5/9/12 ms

gateway*ping 192.168.2.1

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.2.1, timeout is 2 seconds:
!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/6 ms
```