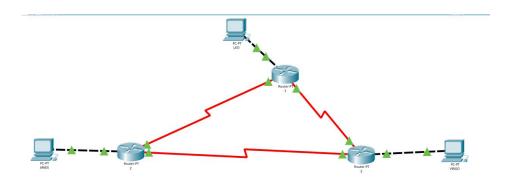
Nama : SARTIKA RIZKY M

NIM : L200170118

Kelas : C

Modul 7

Kegiatan 1



Konfigurasi router

Router eagle

```
Router>en
Router conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #int fa0/0
Router(config-if) #ip add 172.21.10.0 255.255.255.0
Bad mask /24 for address 172.21.10.0
Router(config-if) #ip add 172.21.10.10 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) #exit
Router(config) #int se2/0
Router(config-if) #clock rate 2000000
Router(config-if) #ip add 172.21.1.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) *exit
Router(config) #int se3/0
Router(config-if) #clock rate 2000000
Router(config-if) #ip add 172.21.2.1 255.255.255.0
Router(config-if) #no shutdown
Router(config-if) #exit
Router (config) #
```

Router puma

```
RouterPen
RouterPen
RouterConfig *int fag/0
Router(config) *interface Serial3/0, changed state to up
```

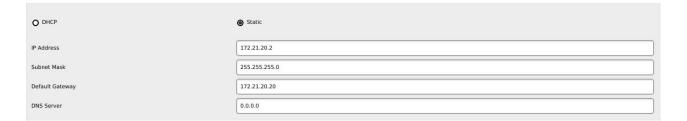
Router tiger

Konfigurasi pc

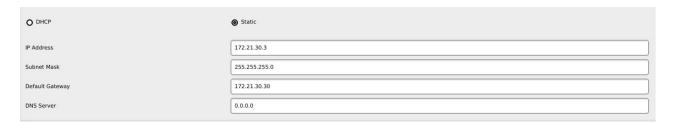
Pc leo

O DHCP	⑥ Static
IP Address	172.21.10.1
Subnet Mask	255.255.255.0
Default Gateway	172.21.10.10
DNS Server	0.0.0.0

Pc aries



Pc virgo



Pengujian kesesuaian konfigurasi

Pc leo ke router eagle

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1: bytes=32 time=44ms TTL=255

Reply from 172.21.1.1: bytes=32 time<1ms TTL=255
```

Pc aries ke router puma

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

Reply from 172.21.1.2: bytes=32 time=2ms TTL=255

Reply from 172.21.1.2: bytes=32 time<1ms TTL=255

Reply from 172.21.1.2: bytes=32 time<1ms TTL=255

Reply from 172.21.1.2: bytes=32 time<1ms TTL=255

Ping statistics for 172.21.1.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 2ms, Average = 0ms
```

Pc virgo ke router tiger

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.3.3

Pinging 172.21.3.3 with 32 bytes of data:

Reply from 172.21.3.3: bytes=32 time=lms TTL=255
Reply from 172.21.3.3: bytes=32 time<lms TTL=255
Reply from 172.21.3.3: bytes=32 time<lms TTL=255
Reply from 172.21.3.3: bytes=32 time<lms TTL=255
Ping statistics for 172.21.3.3:

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

Router eagle ke router puma

```
Router>ping 172.21.1.2

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 172.21.1.2, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/3 ms
```

Router eagle ke router tiger

```
Router>ping 172.21.2.3

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.21.2.3, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/8/36 ms
```

Router puma ke router tiger

```
Router>ping 172.21.3.3

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 172.21.3.3, timeout is 2 seconds:
!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/4/16 ms
```

Tugas 7A: Route table pada masing-masing router

Router eagle

```
Router>show ip route

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is not set

172.21.0.0/24 is subnetted, 3 subnets

C 172.21.1.0 is directly connected, Serial2/0

C 172.21.2.0 is directly connected, FastEthernet0/0
```

Router puma

```
Router>show ip route

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is not set

172.21.0.0/24 is subnetted, 3 subnets

C 172.21.1.0 is directly connected, Serial2/0

C 172.21.3.0 is directly connected, Serial3/0

C 172.21.20.0 is directly connected, FastEthernet0/0
```

Router tiger

```
Router>show ip route

Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

+ - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is not set

172.21.0.0/24 is subnetted, 3 subnets

C 172.21.2.0 is directly connected, Serial2/0

C 172.21.3.0 is directly connected, FastEthernet0/0
```

Tugas 8A: router eagle ping ke router puma

```
Router>ping 172.21.20.20

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.21.20.20, timeout is 2 seconds:
....
Success rate is 0 percent (0/5)
```

Tugas 9A: pc leo trace ke pc aries

```
Tracing route to 172.21.20.2 over a maximum of 30 hops:
      0 ms
                  0 ms
                                         Request timed out.
      0 ms
                                         Request timed out. 172.21.10.10
                                         Request timed out.
172.21.10.10
      0 ms
                              0 ms
                                          Request timed out.
       0 ms
                              0 ms
                                          Request timed out. 172.21.10.10
                   0 ms
                                          Request timed out. 172.21.10.10
                                           Request timed out.
       0 ms
                                           Request timed out.
       0 ms
                               0 ms
                                           172.21.10.10
                   0 ms
                                           Request timed out.
       0 ms
                               0 ms
                                          Request timed out.
                   0 ms
                                          172.21.10.10
                                           Request timed out.
                                           Request timed out.
172.21.10.10
                   0 ms
       0 ms
                               0 ms
```

Tugas 10A: pc leo trace ke router eagle

```
C:\>tracert 172.21.1.1

Tracing route to 172.21.1.1 over a maximum of 30 hops:

1 1 ms 0 ms 0 ms 172.21.1.1

Trace complete.
```

Tugas 11A: penambahan route table

Router eagle

```
Router configuration commands, one per line. End with CNTL/Z.

Router (config) ip route 172.21.20.0 255.255.255.0 172.21.1.2

Router (config) proute 172.21.30.0 255.255.255.0 172.21.2.3

Router (config) exit

Router 
%SYS-5-CONFIG_I: Configured from console by console
```

Router puma

```
Router>en
Router*conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)*ip route 172.21.20.0 255.255.255.0 172.21.1.2
%Invalid next hop address (it's this router)
Router(config)*ip route 172.21.30.0 255.255.255.0 172.21.2.3
Router(config)*ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config)*exit
Router*
%SYS-5-CONFIG_I: Configured from console by console
```

Router tiger

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.2.1
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.3.2
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

Tugas 12A: pc leo ping ke pc aries dan trace ke pc loe ke pc aries

```
Ping statistics for 172.21.20.2:
    Packets: Sent - 4, Received - 4, Lost - 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum - 1ms, Maximum - 12ms, Average - 6ms
C:\>tracert 172.21.20.2
Tracing route to 172.21.20.2 over a maximum of 30 hops:
      1 ms
                0 ms
                          0 ms
      1 ms
                1 ms
                          1 ms
                                     172.21.1.2
      12 ms
                1 ms
                          13 ms
                                     172.21.20.2
Trace complete.
```

Tugas 12B:

Mengubah ip leo menjadi 172.21.100.0/24

○ DHCP	
IP Address	172.21.100.1
Subnet Mask	255.255.255.0
Default Gateway	172.21.100.10
DNS Server	0.0.0.0

Konfigurasi ip baru pada router eagle

```
Router > en
Router # conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router (config) # int fa0/0
Router (config-if) # ip add 172.21.100.10 255.255.255.0
Router (config-if) # no shutdown
Router (config-if) #
```

Konfigurasi ip route baru pada router puma dan tiger

Router>en

Router conf term

Router(config) #

```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #ip route 172.21.100.0 255.255.255.0 172.21.1.1
Router(config) #
Router(config) #

Router>en
Router*configuration commands, one per line. End with CNTL/Z.
Router(config) #ip route 172.21.100.0 255.255.255.0 172.21.2.1
Router(config) #
```

Melakukan ping tracert dari peleo ke pe aries

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.20.2
Pinging 172.21.20.2 with 32 bytes of data:
Request timed out.
Reply from 172.21.20.2: bytes=32 time=5ms TTL=126
Reply from 172.21.20.2: bytes=32 time=15ms TTL=126
Reply from 172.21.20.2: bytes=32 time=13ms TTL=126
Ping statistics for 172.21.20.2:
Approximate round trip times in milli-seconds:
Minimum - 5ms, Maximum - 15ms, Average - 11ms
C:\>tracert 172.21.20.2
Tracing route to 172.21.20.2 over a maximum of 30 hops:
                         11 ms
10 ms
      1 ms
                 1 ms
  3 11 ms
                 12 ms
```

Melakukan pin tracert dari pc leo ke pc virgo

Kegiatan 2

Konfigurasi routing RIP router eagle

```
Router term

Enter configuration commands, one per line. End with CNTL/Z.

Router (config) trouter rip

Router (config-router) term terms to the configuration commands to the configurati
```

Melakukan show running-config

```
interface FastEthernet0/0
ip address 172.21.100.10 255.255.255.0
 duplex auto
 speed auto
interface FastEthernet1/0
 no ip address
 duplex auto
 speed auto
 shutdown
interface Serial2/0
ip address 172.21.1.1 255.255.255.0
clock rate 2000000
interface Serial3/0
 ip address 172.21.2.1 255.255.255.0 clock rate 2000000
interface FastEthernet4/0
 no ip address
shutdown
interface FastEthernet5/0
 no ip address
 shutdown
router rip
network 172.21.0.0
ip classless
ip route 172.21.20.0 255.255.255.0 172.21.1.2 ip route 172.21.30.0 255.255.255.0 172.21.2.3
ip flow-export version 9
```

Tugas 4A: ip address 172.21.0.0

Tugas 4B: karena tidak mengubah konfigurasi ip address pada router lainnya.

Tugas 5A: Melakukan debug ip rip

```
Router*RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial2/0 (172.21.1.1)
RIP: build update entries
network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial2/0 (172.21.1.1)
RIP: build update entries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255.255 via FastEthernet0/0 (172.21.100.10)
RIP: build update entries
network 172.22.2.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via FastEthernet0/0 (172.21.10)
RIP: build update entries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.22.2.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update sentries
network 172.22.2.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.1.1)
RIP: build update sentries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.1.1)
RIP: build update sentries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update sentries
network 172.22.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update sentries
network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update sentries
network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.1.1)
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.1.1)
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.1.1)
RIP: sending v1 update to 255.255.255.255 via S
```

Konfigurasi routing RIP router puma

```
Router > en
Router | configuration commands, one per line. End with CNTI
Router (config) | router rip
Router (config-router) | | networok 172.21.0.0

% Invalid input detected at '^' marker.

Router (config-router) | | network 172.21.1.0
```

```
interface FastEthernet0/0
ip address 172.21.20.20 255.255.255.0
duplex auto
speed auto

interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown

interface Serial2/0
ip address 172.21.1.2 255.255.255.0

interface Serial3/0
ip address 172.21.3.2 255.255.255.0

clock rate 2000000

interface FastEthernet4/0
no ip address
shutdown

interface FastEthernet5/0
no ip address
shutdown

router rip
network 172.21.0.0

ip classless
ip route 172.21.30.0 255.255.255.0 172.21.2.3
ip route 172.21.100.0 255.255.255.0 172.21.1.1
ip route 172.21.100.0 255.255.255.0 172.21.1.1
ip flow-export version 9

iline con 0
inter aux 0
```

```
Router#debug ip rip
RIF protocol debugging is on
Router#RIF: received v1 update from 172.21.1.1 on Serial2/0
172.21.2.0 in 1 hops
RIF: sending v1 update to 255.255.255.255 via FastEthernet0/0 (172.21.20.20)
RIF: build update entries
network 172.21.1.0 metric 1
network 172.21.1.0 metric 2
network 172.21.100.0 metric 2
RIF: sending v1 update to 255.255.255.255 via Serial2/0 (172.21.1.2)
RIF: sending v1 update to 255.255.255.255 via Serial2/0 (172.21.1.2)
RIF: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.3.2)
RIF: build update entries
network 172.21.2.0 metric 1
network 172.21.2.0 metric 2
network 172.21.1.0 metric 2
network 172.21.1.0 metric 2
network 172.21.1.1 metric 3
network 172.21.1.1 metric 3
network 172.21.1.1 metric 4
network 172.21.2.1 metric 5
network 172.21.2.0 metric 6
172.21.2.0 in 1 hops
172.21.2.0 in 1 hops
172.21.2.0 metric 7
network 172.21.2.0 metric 7
network 172.21.2.0 metric 8
network 172.21.2.0 metric 9
network 172.21.2.0 metric 9
network 172.21.2.0 metric 1
network 172.21.2.0 metric 2
network 172.21.2.0 metric 1
network 172.21.2.0 metric 2
network 172.21.2.0 metric 2
network 172.21.2.0 metric 2
network 172.21.2.0 metric 2
network 172.21.1.0 metric 1
network 172.21.1.0 metric 2
network 172.21.1.0 metric 2
network 172.21.1.0 metric 2
network 172.21.2.0 metric 2
network 172.21.1.0 metric 2
network 172.21.2.0 metric 1
network 172.21.2.0 metric 2
network 172.21.2.0 metric 2
network 172.21.2.0 metric 2
netw
```

Tugas 6A: Konfigurasi routing RIP router tiger

```
Router>en
Router*conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)*router rip
Router(config-router)*network 172.21.2.0
Router(config-router)*
```

```
interface FastEthernet0/0
ip address 172.21.30.30 255.255.255.0
  duplex auto
 speed auto
interface FastEthernet1/0
 no ip address
 duplex auto
 speed auto
shutdown
interface Serial2/0
 ip address 172.21.2.3 255.255.255.0
interface Serial3/0
 ip address 172.21.3.3 255.255.255.0
interface FastEthernet4/0
 no ip address
 shutdown
interface FastEthernet5/0
no ip address
shutdown
router rip
network 172.21.0.0
ip classless
ip route 172.21.10.0 255.255.255.0 172.21.2.1 ip route 172.21.20.0 255.255.255.0 172.21.3.2
ip route 172.21.100.0 255.255.255.0 172.21.2.1
ip flow-export version 9
```

```
Router*# Router*#debug ip rip
RIP protocol debugging is on
Router*#RIP: received v1 update from 172.21.3.2 on Serial3/0
172.21.1.0 in 1 hops
172.21.20.0 in 1 hops
172.21.20.0 in 1 hops
172.21.20.0 in 2 hops
RIP: received v1 update from 172.21.2.1 on Serial2/0
172.21.20.0 in 2 hops
172.21.20.0 in 2 hops
RIP: sending v1 update to 255.255.255.255 via FastEthernet0/0 (172.21.30.30)
RIP: build update entries
network 172.21.2.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
RIP: sending v1 update to 255.255.255.255 via Serial2/0 (172.21.2.3)
RIP: build update entries
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.3)
RIP: build update entries
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.3.3)
RIP: build update entries
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
RIP: sending v1 update to 256.255.255.255 via Serial3/0 (172.21.3.3)
RIP: build update entries
network 172.21.1.0.0 metric 2
RIP: received v1 update from 172.21.3.2 on Serial3/0
172.21.1.0 in 1 hops
172.21.21.0.0 in 1 hops
172.21.20.0 in 1 hops
RIP: sending v1 update from 172.21.2.1 on Serial2/0
172.21.20.0 in 1 hops
RIP: sending v1 update form 172.21.2.1 network 172.21.3.0 metric 1
network 172.21.2.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 1
network 172.21.3
```

Tugas 6B:

```
network 172.21.2.0 metric 1
network 172.21.30.0 metric 2
network 172.21.100.0 metric 2
network 172.21.100.0 metric 1
RIF: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIF: build update entries
network 172.21.100.0 metric 1
network 172.21.100.0 metric 1
network 172.21.30.0 in 1 hops
172.21.30.0 in 1 hops
172.21.30.0 in 1 hops
172.21.30.0 in 1 hops
RIF: received v1 update from 172.21.2.3 on Serial3/0
172.21.30.0 in 1 hops
172.21.30.0 in 1 hops
RIF: sending v1 update to 255.255.255.255 via FastEthernet0/0 (172.21.100.10)
RIF: build update entries
network 172.21.2.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
network 172.21.2.1.0 metric 1
network 172.21.30.0 metric 2
RIF: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIF: build update entries
network 172.21.10.0 metric 1
RIF: received v1 update from 172.21.2 on Serial2/0
172.21.3.0 in 1 hops
172.21.3.0 in 1 hops
172.21.3.0 in 1 hops
RIF: received v1 update from 172.21.2.3 on Serial3/0
172.21.3.0 in 1 hops
RIF: received v1 update from 172.21.2.3 on Serial3/0
172.21.3.0 in 1 hops
RIF: received v1 update from 172.21.2.3 on Serial3/0
172.21.3.0 in 1 hops
RIF: sending v1 update from 172.21.2.3 on Serial3/0
172.21.3.0 in 1 hops
RIF: sending v1 update for 255.255.255.255 via Serial3/0 (172.21.100.10)
RIF: build update entries
network 172.21.1.0 metric 1
network 172.21.1.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 m
```

Tugas 6C: ya, karena jika tidak merubah konfigurasi maka tidak akan pc tidak akan saling terhubung.

Tracert pc leo ke pc aries

```
C:\>tracert 172.21.20.2

Tracing route to 172.21.20.2 over a maximum of 30 hops:

1 1 ms 0 ms 0 ms 172.21.100.10
2 0 ms 1 ms 13 ms 172.21.1.2
3 0 ms 13 ms 12 ms 172.21.20.2

Trace complete.
```

Hubungan router eagle dan puma terputus

```
Router(config) #int fa0/0
Router(config-if) #shutdown

Router(config-if) #
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
```

Tugas 8A:

Ping pc leo ke pc aries

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Reply from 172.21.1.2: Destination host unreachable.

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Tugas 9A:

Kegiatan 3

Konfigurasi RIP router eagle

```
Router(config) #router eigrp 100
Router(config-router) #network 172.21.0.0
Router(config-router) #exit
```

```
interface FastEthernet0/0
 ip address 172.21.100.10 255.255.255.0
 duplex auto
speed auto
interface FastEthernet1/0
no ip address
duplex auto
 speed auto
shutdown
interface Serial2/0
ip address 172.21.1.1 255.255.255.0
clock rate 2000000
interface Serial3/0
 ip address 172.21.2.1 255.255.255.0
 clock rate 2000000
interface FastEthernet4/0
 no ip address
shutdown
interface FastEthernet5/0
no ip address
shutdown
router eigrp 100
network 172.21.0.0
auto-summary
router rip
network 172.21.0.0
ip classless
ip route 172.21.20.0 255.255.255.0 172.21.1.2
ip route 172.21.30.0 255.255.255.0 172.21.2.3
```

Tugas 4A: network 172.21.0.0

Tugas 5A:

Tugas 7A: Routing IGRP pada router puma

```
Router(config-router) #exit
Router(config) #router eigrp 100
Router(config-router) #network 172.21.1.0
Router(config-router) #exit
```

```
interface FastEthernet0/0
 ip address 172.21.20.20 255.255.255.0
 duplex auto
 speed auto
interface FastEthernet1/0
 no ip address
 duplex auto
 speed auto
 shutdown
interface Serial2/0
 ip address 172.21.1.2 255.255.255.0
interface Serial3/0
 ip address 172.21.3.2 255.255.255.0 clock rate 2000000
interface FastEthernet4/0
 no ip address
 shutdown
interface FastEthernet5/0
 no ip address
shutdown
router eigrp 100
network 172.21.0.0
 auto-summary
 network 172.21.0.0
ip classless
ip route 172.21.30.0 255.255.255.0 172.21.2.3 ip route 172.21.10.0 255.255.255.0 172.21.1.1 ip route 172.21.100.0 255.255.255.0 172.21.1.1
```

Tugas 7B: proses update pada router eagle

```
interface FastEthernet0/0
 ip address 172.21.100.10 255.255.255.0
 duplex auto
speed auto
interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown
interface Serial2/0
ip address 172.21.1.1 255.255.255.0 clock rate 2000000
interface Serial3/0
ip address 172.21.2.1 255.255.255.0 clock rate 2000000
interface FastEthernet4/0
no ip address
shutdown
interface FastEthernet5/0
no ip address
shutdown
router eigrp 100
network 172,21,0.0
auto-summary
router rip
network 172.21.0.0
ip classless
ip route 172.21.20.0 255.255.255.0 172.21.1.2 ip route 172.21.30.0 255.255.255.0 172.21.2.3
```

Tugas 7C : ya, karena jika tidak merubah konfigurasi maka tidak akan pc tidak akan saling terhubung.

Ping pc leo ke pc aries

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Request timed out.

Reply from 172.21.20.2: bytes=32 time=13ms TTL=126
Reply from 172.21.20.2: bytes=32 time=lms TTL=126
Reply from 172.21.20.2: bytes=32 time=7ms TTL=126

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 13ms, Average = 7ms
```

Tugas 9A:

```
network 172.21.2.0 metric 1
network 172.21.30.0 metric 2
network 172.21.100.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.21.10.0 metric 1
network 172.21.10.0 metric 1
network 172.21.10.0 metric 1
RIP: received v1 update from 172.21.1.2 on Serial2/0
172.21.3.0 in 1 hops
172.21.3.0 in 1 hops
172.21.3.0 in 1 hops
RIP: received v1 update from 172.21.2.3 on Serial3/0
172.21.3.0 in 1 hops
172.21.3.0 in 1 hops
RIP: sending v1 update to 255.255.255.255 via FastEthernet0/0 (172.21.100.10)
RIP: build update entries
network 172.21.1.0 metric 1
network 172.21.3.0 metric 2
network 172.21.3.0 metric 2
RIP: sending v1 update to 255.255.255.255 via Serial2/0 (172.21.1.1)
RIP: build update entries
network 172.21.3.0 metric 2
network 172.21.2.0 metric 1
network 172.21.3.0 metric 2
network 172.21.1.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.1.1)
RIP: build update entries
network 172.21.1.0 metric 1
network 172.21.1.0 metric 1
RIP: sending v1 update to 255.255.255.255 via Serial3/0 (172.21.2.1)
RIP: build update entries
network 172.21.1.0 metric 1
```

Tugas 10A:

```
C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Reply from 172.21.1.2: Destination host unreachable.

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```