

# **Laporan Prak Konjar**

## **Routing**



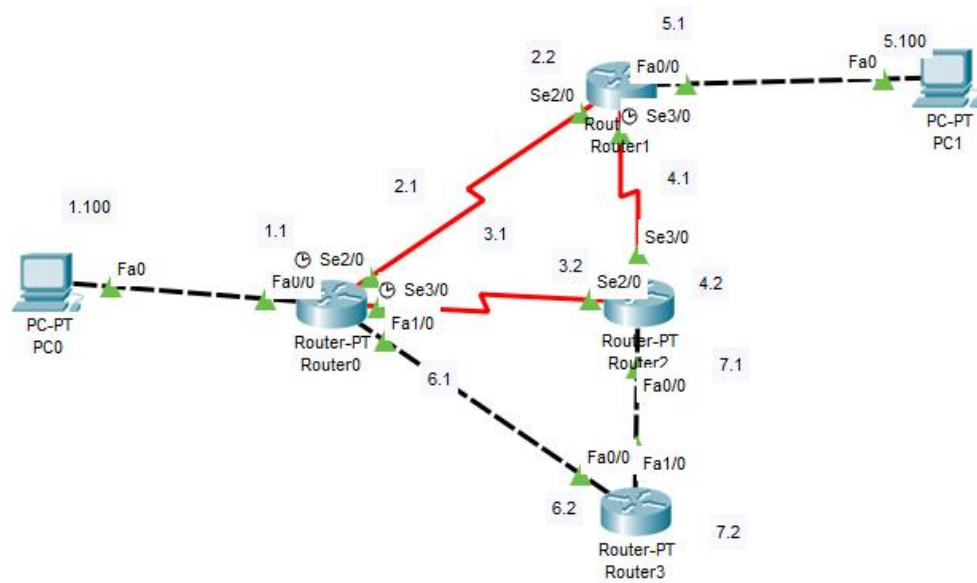
**Nama : Muhammad Hafid Azis**

**Kelas : 2D4 ITB**

**NRP : 3121600055**

**PROGRAM STUDI D4 TEKNIK INFORMATIKA  
POLITEKNIK ELEKTRONIKA NEGERI SURABAYA  
2021/2022**

## Topologi Jaringan Static Routing



### Router0

```
Router0
Physical Config CLI Attributes
IOS Command Line Interface

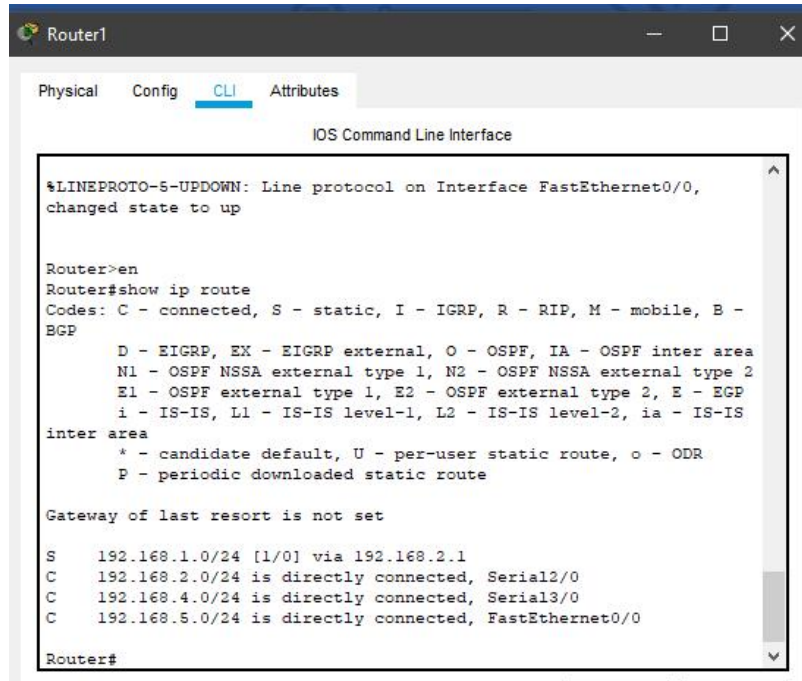
Router>en
Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B -
BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 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

C    192.168.1.0/24 is directly connected, FastEthernet0/0
C    192.168.2.0/24 is directly connected, Serial2/0
C    192.168.3.0/24 is directly connected, Serial3/0
S    192.168.5.0/24 [1/0] via 192.168.2.2
C    192.168.6.0/24 is directly connected, FastEthernet1/0

Router#
```

## Router1



The screenshot shows the Router1 CLI interface with the 'CLI' tab selected. The output of the 'show ip route' command is displayed, showing the routing table. The table includes entries for static routes and directly connected networks. The output is as follows:

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

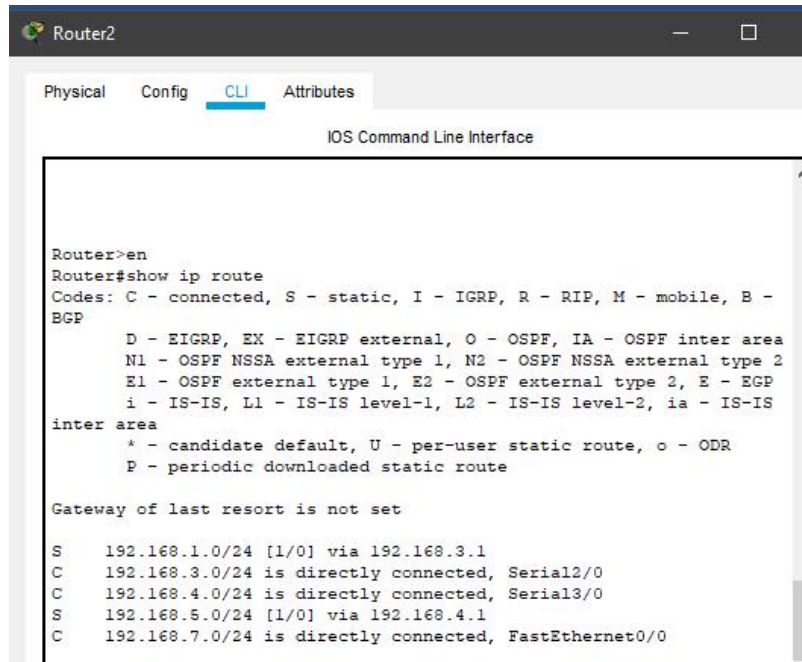
Router>en
Router#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B -
BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 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

S    192.168.1.0/24 [1/0] via 192.168.2.1
C    192.168.2.0/24 is directly connected, Serial2/0
C    192.168.4.0/24 is directly connected, Serial3/0
C    192.168.5.0/24 is directly connected, FastEthernet0/0

Router#
```

## Router2



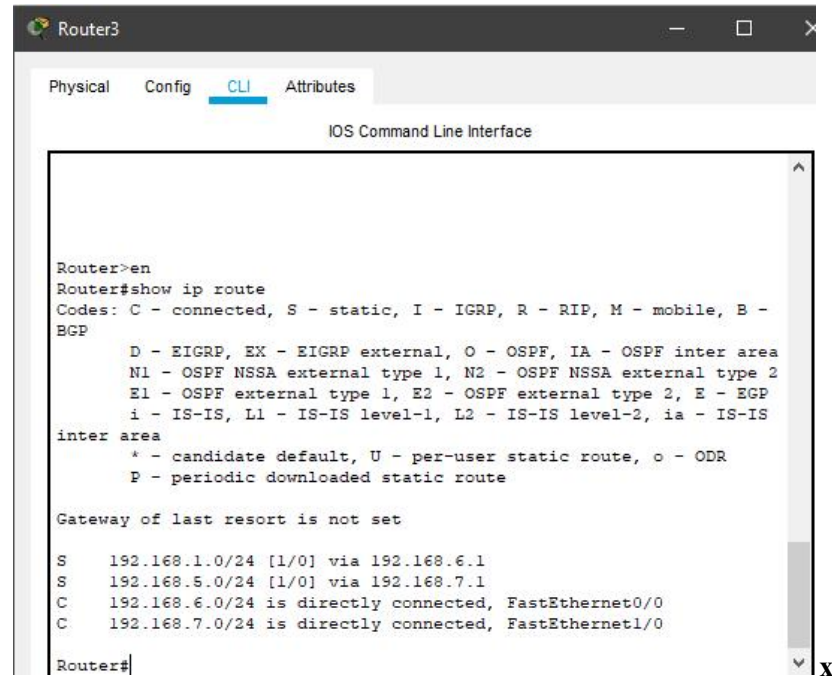
The screenshot shows the Router2 CLI interface with the 'CLI' tab selected. The output of the 'show ip route' command is displayed, showing the routing table. The table includes entries for static routes and directly connected networks. The output is as follows:

```
Router>en
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

S    192.168.1.0/24 [1/0] via 192.168.3.1
C    192.168.3.0/24 is directly connected, Serial2/0
C    192.168.4.0/24 is directly connected, Serial3/0
S    192.168.5.0/24 [1/0] via 192.168.4.1
C    192.168.7.0/24 is directly connected, FastEthernet0/0
```

## Router3



The screenshot shows a web-based interface for Router3. At the top, there are tabs for 'Physical', 'Config', 'CLI' (which is selected), and 'Attributes'. Below the tabs, the title 'IOS Command Line Interface' is displayed. The main area contains a terminal window with the following text:

```
Router>en
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

S    192.168.1.0/24 [1/0] via 192.168.6.1
S    192.168.5.0/24 [1/0] via 192.168.7.1
C    192.168.6.0/24 is directly connected, FastEthernet0/0
C    192.168.7.0/24 is directly connected, FastEthernet1/0
Router#
```

The terminal window has a vertical scrollbar on the right side, and the prompt 'Router#' is visible at the bottom.