Laporan Praktikum Sesi 3 – Static Routing

Nama: Bryan Orville Audric

NIM: 2602160750

Hal pertama yang dilakukan adalah mengsetting IP Address pada semua komponen (PC, router)

**Marketing**

Network Address - 192.168.10.0/24

Subnet Mask – 255.255.255.0

Gateway – 192.168.10.1/24

Subnet Mask – 255.255.255.0

A screenshot of a computer

Description automatically generated

Marketing PC-1

Host ID – 192.168.10.2/24

Subnet Mask – 255.255.255.0

A computer screen shot of a computer screen

Description automatically generated

Marketing PC-2

Host ID – 192.168.10.3/24

Subnet Mask – 255.255.255.0

A screenshot of a computer

Description automatically generated

**Finance**

Network Address - 192.168.20.0/25

Subnet Mask – 255.255.255.128

Gateway – 192.168.20.1/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Finance PC-1

Host ID – 192.168.20.2/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Finance PC-2

Host ID – 192.168.20.3/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

**Administrator**

Network Address - 192.168.30.0/25

Subnet Mask – 255.255.255.128

Gateway – 192.168.30.1/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Administrator PC-1

Host ID – 192.168.30.2/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Administrator PC-2

Host ID – 192.168.30.3/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

**Operational**

Network Address - 192.168.40.0/25

Subnet Mask – 255.255.255.128

Gateway – 192.168.40.1/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Operational PC-1

Host ID – 192.168.40.2/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

Operational PC-2

Host ID – 192.168.40.3/25

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated

**Designer**

Network Address - 192.168.50.0/26

Subnet Mask – 255.255.255.192

Gateway – 192.168.50.1/26

Subnet Mask – 255.255.255.192

A screenshot of a computer

Description automatically generated

Designer PC-1

Host ID – 192.168.50.2/26

Subnet Mask – 255.255.255.192

A screenshot of a computer

Description automatically generated

Designer PC-2

Host ID – 192.168.50.3/26

Subnet Mask – 255.255.255.192

A screenshot of a computer

Description automatically generated

Router 1

Mengsetting IP pada Serial2/0 dengan 192.168.100.33/27

Subnet Mask: 255.255.255.224

A screenshot of a computer

Description automatically generated

Router 2

Mengsetting IP pada Serial2/0 dengan 192.168.100.34/27

Subnet Mask: 255.255.255.224

Mengsetting IP pada Serial3/0 dengan 192.168.100.129/27

Subnet Mask: 255.255.255.224

A screenshot of a computer

Description automatically generated

Router 3

Mengsetting IP pada Serial2/0 dengan 192.168.100.130/27

Subnet Mask: 255.255.255.224

A screenshot of a computer

Description automatically generated

**Mengsetting next hop pada router 1**

Next hop yang diset pada router ini adalah IP Serial 2/0 router 2, untuk menyambung dengan Network Address:

192.168.30.0/25

Subnet Mask – 255.255.255.128

192.168.40.0/25

Subnet Mask – 255.255.255.128

192.168.50.0/26

Subnet Mask – 255.255.255.192

A screenshot of a computer

Description automatically generated

**Mengsetting next hop pada router 2**

Next hop yang diset pada router ini adalah IP Serial 2/0 router 1, untuk menyambung dengan Network Address:

192.168.10.0/24

Subnet Mask – 255.255.255.0

192.168.20.0/24

Subnet Mask – 255.255.255.0

Next hop selanjutnya yang diset pada router ini adalah IP Serial 2/0 router 3, untuk menyambung dengan Network Address:

192.168.40.0/25

Subnet Mask – 255.255.255.128

192.168.50.0/26

Subnet Mask – 255.255.255.192

A screenshot of a computer

Description automatically generated

**Mengsetting next hop pada router 3**

Next hop yang diset pada router ini adalah IP Serial 3/0 router 2, untuk menyambung dengan Network Address:

192.168.30.0/25

Subnet Mask – 255.255.255.128

192.168.10.0/24

Subnet Mask – 255.255.255.0

192.168.20.0/26

Subnet Mask – 255.255.255.128

A screenshot of a computer

Description automatically generated