

LAPORAN PRAKTIKUM JARINGAN KOMPUTER DAN KOMUNIKASI DATA

MODUL KE 5. SUBNETTING DAN ROUTING



Disusun oleh:

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**PROGRAM STUDI SISTEM INFORMASI
FAKULTAS TEKNOLOGI INFORMASI DAN
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Laporan Praktikum 5. Subnetting dan Routing.

IP Address : (10.10.10.1)

Tabel Subnetting pada IP Address

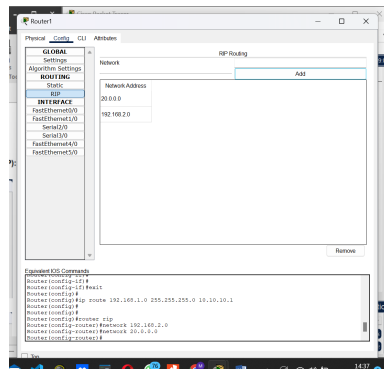
IP Network	192.168.1.0	192.168.2.0	· ·	192.0.0.0/4	192.0.0.0/4
IP Awal	192.168.1.1	192.168.2.1	· ·	192.0.0.1	192.0.0.1
IP Akhir	192.168.1.254	192.168.2.254	· ·	207.255.255.254	207.255.255.254
Broadcast	192.168.1.255	192.168.2.255	· ·	207.255.255.255	207.255.255.255

Hasil Praktikum yang Dilakukan :

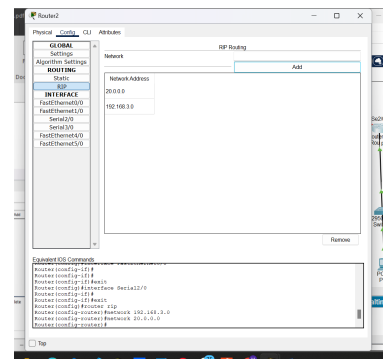
Deskripsi	Screenshot
<p>Topologi*</p>	<p>1. Setting ip address PC0 menjadi 192.168.1.2 dengan subnet mask 255.255.255.0 gateway 192.168.1.1</p> <p>2. Setting ip address PC1 menjadi 192.168.2.2 dengan subnet mask 255.255.255.0 gateway 192.168.2.1</p> <p>3. Setting ip address PC2 menjadi 192.168.3.2 dengan subnet mask 255.255.255.0 gateway 192.168.3.1</p>
<p>Konfigurasi Routing Statis</p>	<div data-bbox="639 1459 1034 1932"> <p>Router 0</p> <pre> Router0#show run Building Configuration Current IOS Commands Router(config)#ip route 192.168.2.0 255.255.255.0 10.10.10.2 Router(config)# </pre> </div> <div data-bbox="1049 1459 1404 1932"> <p>Router 1</p> <pre> Router1#show run Building Configuration Current IOS Commands Router(config)#ip route 192.168.1.0 255.255.255.0 10.10.10.1 Router(config)# </pre> </div>

Konfigurasi Routing Dinamis

Router 1



Router 2



PING / Status Pengiriman Paket

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC1	ICMP		0.000	N	0	(edit)	(delete)

Realtime

Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC2	ICMP		0.000	N	0	(edit)	(delete)