

**LAPORAN PRAKTIKUM
JARINGAN KOMPUTER
DAN KOMUNIKASI DATA
MODUL KE 7. WIRELESS NETWORK**



Disusun oleh:

- | | |
|--------------------------|------------|
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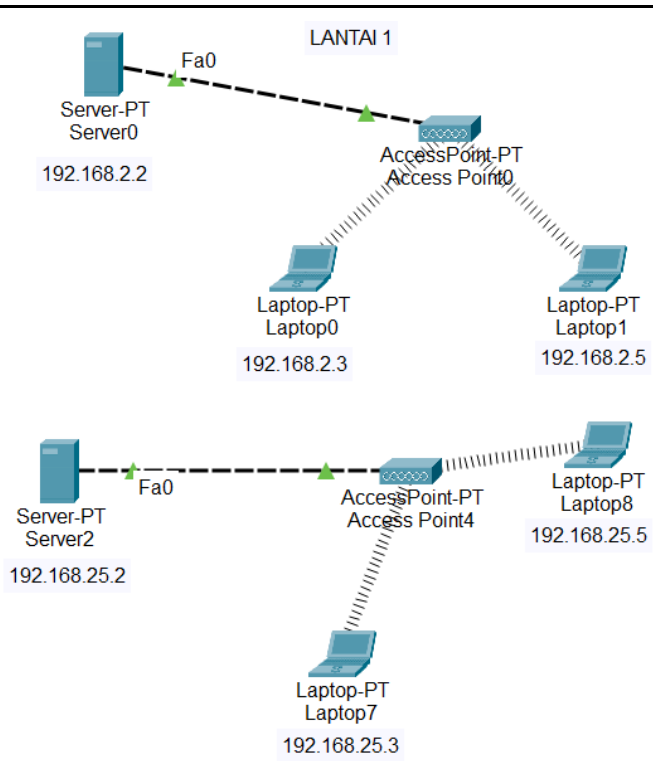
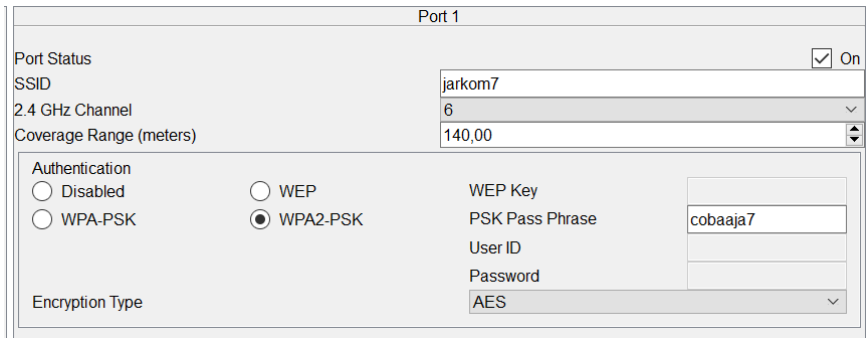
**PROGRAM STUDI SISTEM INFORMASI
FAKULTAS TEKNOLOGI INFORMASI DAN BISNIS
INSTITUT TEKNOLOGI TELKOM SURABAYA
2023**

Laporan Praktikum 7. Wireless Network

Tgl Praktikum : Jum'at 7 Juli 2023

Masukkan capture layar dari praktikum yang telah dilakukan.

LANTAI 1

deskripsi	Screenshot*
Topologi*	
Konfigurasi Access Point	<p>Access Point 1</p>  <p>Access Point 2</p>

	<div><div>Port 1</div><div><div>Port Status<div><input checked="" type="checkbox"/> On</div></div><div><div>SSID</div><div>praktikum7_2</div></div><div><div>2.4 GHz Channel</div><div>6</div></div><div><div>Coverage Range (meters)</div><div>140,00</div></div><div><div>Authentication</div><div><div><input type="radio"/> Disabled</div><div><input type="radio"/> WEP</div><div><input checked="" type="radio"/> WPA2-PSK</div></div><div><div>WEP Key</div><div>PSK Pass Phrase</div><div>User ID</div><div>Password</div></div><div><div>bismillah2</div><div></div><div></div><div></div></div><div><div>Encryption Type</div><div>AES</div></div></div></div></div>																																	
<div>Status PING (Laptop - Laptop)</div>	<table><tr><th>Fire</th><th>Last Status</th><th>Source</th><th>Destination</th><th>Type</th><th>Color</th><th>Time(sec)</th><th>Periodic</th><th>Num</th><th>Edit</th><th>Delete</th></tr><tr><td></td><td>Successful</td><td>Laptop0</td><td>Laptop1</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>0</td><td>(edit)</td><td></td></tr><tr><td></td><td>Successful</td><td>Laptop7</td><td>Laptop8</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>1</td><td>(edit)</td><td></td></tr></table>	Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete		Successful	Laptop0	Laptop1	ICMP		0.000	N	0	(edit)			Successful	Laptop7	Laptop8	ICMP		0.000	N	1	(edit)	
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete																								
	Successful	Laptop0	Laptop1	ICMP		0.000	N	0	(edit)																									
	Successful	Laptop7	Laptop8	ICMP		0.000	N	1	(edit)																									
<div>Status PING (Laptop - Server)</div>	<table><tr><td></td><td>Successful</td><td>Laptop1</td><td>Server0</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>2</td><td>(edit)</td><td></td></tr><tr><td></td><td>Successful</td><td>Laptop7</td><td>Server2</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>3</td><td>(edit)</td><td></td></tr></table>		Successful	Laptop1	Server0	ICMP		0.000	N	2	(edit)			Successful	Laptop7	Server2	ICMP		0.000	N	3	(edit)												
	Successful	Laptop1	Server0	ICMP		0.000	N	2	(edit)																									
	Successful	Laptop7	Server2	ICMP		0.000	N	3	(edit)																									

LANTAI 2

deskripsi	Screenshot*
Topologi*	<pre> graph TD Router["HomeRouter-PT-AC Wireless Router 192.168.2.1"] Laptop2["Laptop-PT Laptop2 192.168.2.6"] Laptop3["Laptop-PT Laptop3 192.168.2.7"] Laptop4["Laptop-PT Laptop4 192.168.2.8"] Router --- Laptop2 Router --- Laptop3 Router --- Laptop4 </pre>

Konfigurasi Home Router

Wireless Router1

Physical Config **GUI** Attributes

Wireless Tri-Band Home Router Firmware Version: v0.9.7

Setup Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Setup DDNS MAC Address Clone Advanced Routing

Internet Setup

Internet Connection type: Automatic Configuration - DHCP

Optional Settings (required by some internet service providers):

Host Name:

Domain Name:

MTU: Size: 1500

Network Setup

Router IP

IP Address: 192 168 2 1

Subnet Mask: 255.255.255.0

DHCP Server Settings

DHCP Server: ☒ Enabled ☐ Disabled

Start IP Address: 192.168.2. 5

Maximum number of Users: 50

IP Address Range: 192.168.2. 5 - 54

Client Lease Time: 0 minutes (0 means one day)

Static DNS 1: 0 0 0 0







Static DNS 2: 0 0 0 0

Static DNS 3: 0 0 0 0

WINS: 0 0 0 0

Help...

Status PING (Laptop - Laptop)

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	Laptop2	Laptop3	ICMP		0.000	N	0	(edit)	(delete)
	Successful	Laptop4	Laptop3	ICMP		0.000	N	1	(edit)	(delete)
	Successful	Laptop2	Laptop4	ICMP		0.000	N	2	(edit)	(delete)

*Keterangan :

1. Jangan lupa tambahkan note IP address pada topologi.
2. Pastikan screenshot terlihat jelas dan tidak buram.