

# **LAPORAN PRAKTIKUM REKAYASA PERANGKAT LUNAK**

**Progress UAS 1**

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**FAKULTAS SAINS DAN TEKNOLOGI**

**PROGRAM STUDI TEKNIK INFORMATIKA**

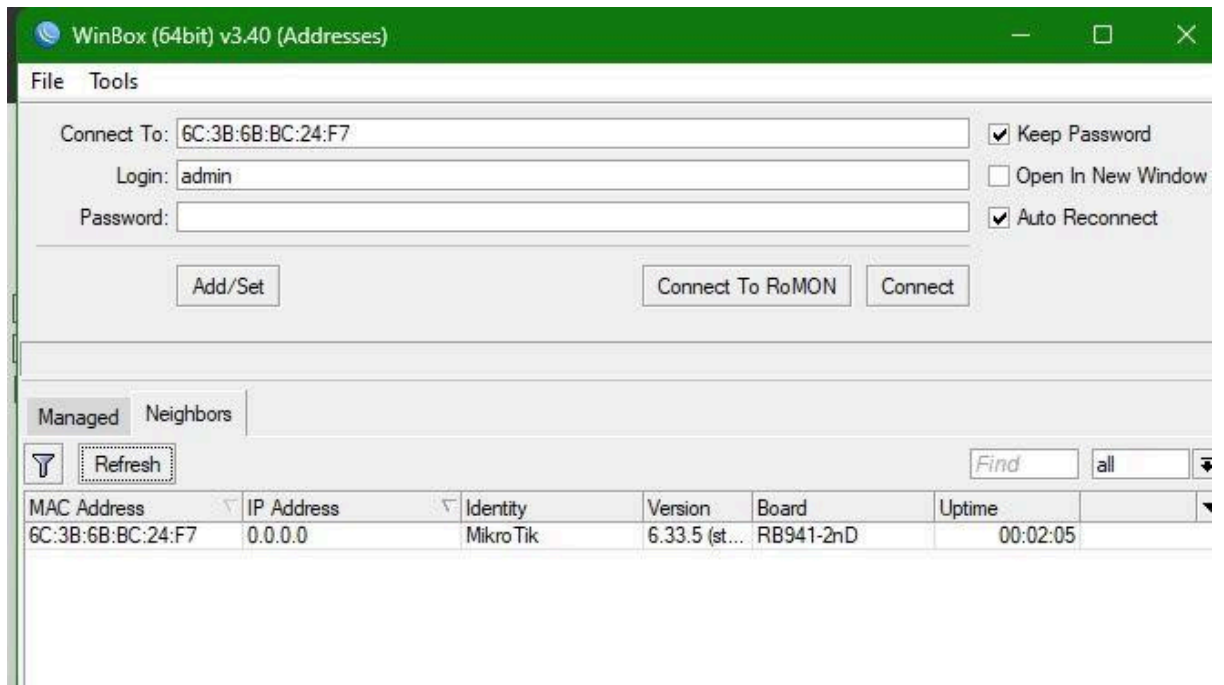
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IBRAHIM MALANG**

**2024**

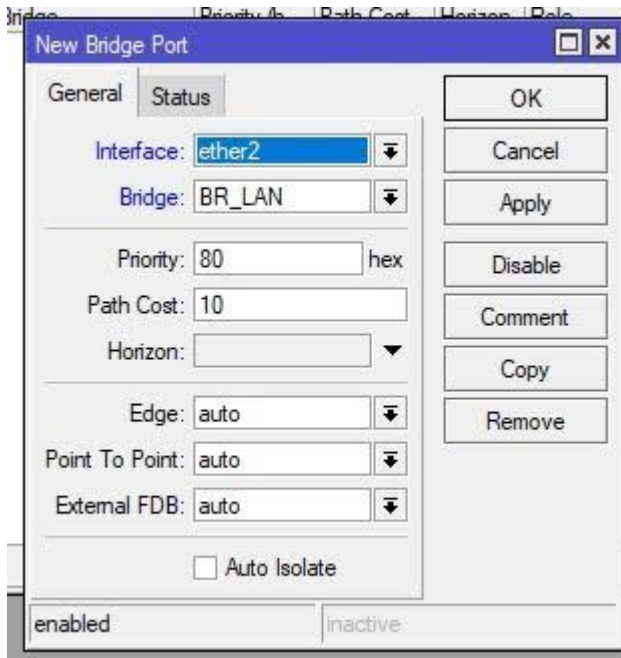
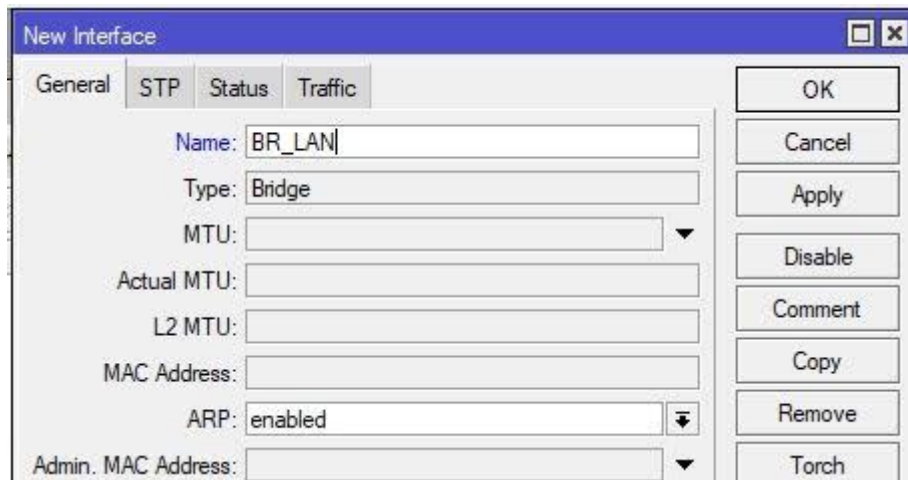
## Praktikum 8

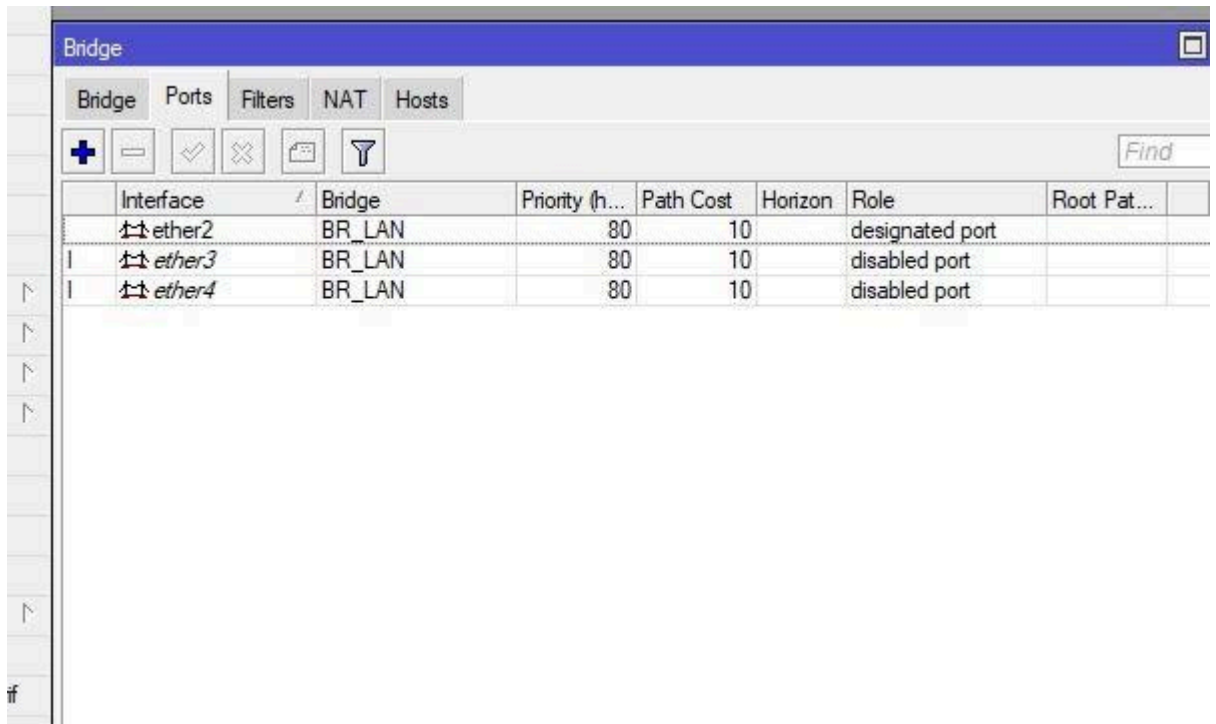
Langkah - langkah praktikum :

1. Siapkan bahan – bahan & peralatan praktikum sesuai pada tabel Peralatan.
2. Download software WinBox dari <https://mikrotik.com> jika di komputer belum ada.
3. Hard reset routerboard
4. Hubungkan komputer ke Mikrotik
5. Buka winbox dan klik pada tab Neighbors. Seharusnya Mikrotik yang terhubung ke komputer akan tampil.

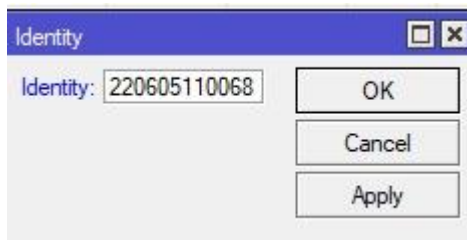


## 6. Mengkonfigurasi Bridge

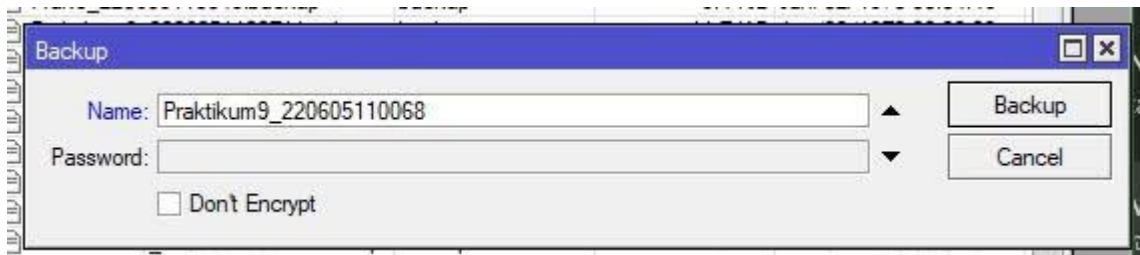




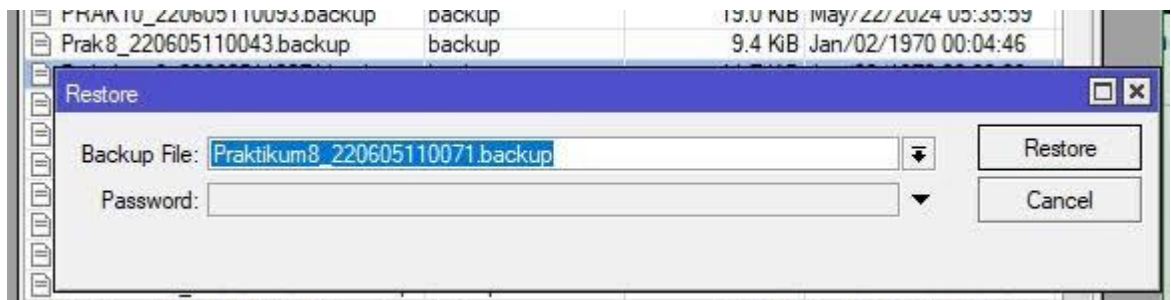
## 7. Merubah identitas Mikrotik



## 8. Backup



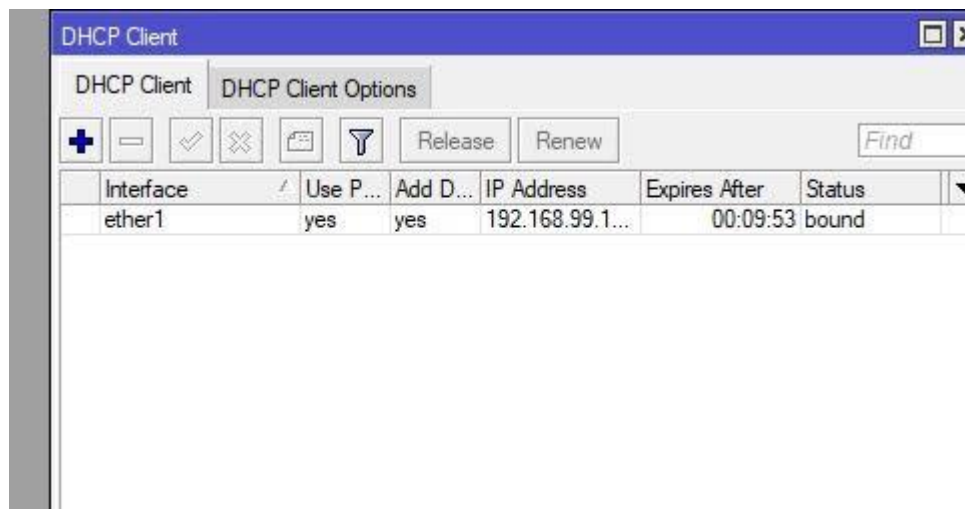
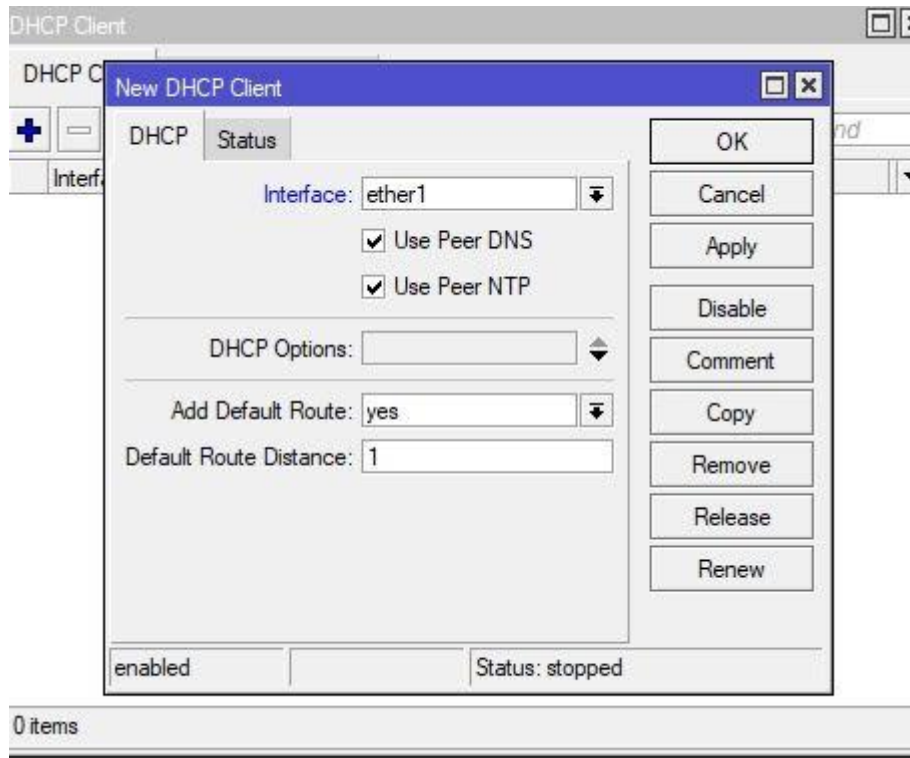
## 9. Restore



## Praktikum 9

Langkah - langkah praktikum :

1. Siapkan bahan – bahan & peralatan praktikum sesuai pada tabel Peralatan.
2. Download software WinBox dari <https://mikrotik.com> jika di komputer belum ada.
3. Hubungkan Ether-1 Mikrotik ke jaringan komputer LAB
4. Hubungkan Ether-1 Mikrotik ke jaringan komputer LAB
5. Restore setting Praktikum 8 ke Mikrotik
6. Setting DHCP Client



7. Tes koneksi internet dari Mikrotik

**Ping (Running)**

General | Advanced

Ping To: 1.1.1.1

Interface: ether1

☐ ARP Ping

Packet Count: 4

Timeout: 1000 ms

Start  
Stop  
Close  
New Window

Seq #	Host	Time	Reply Size	TTL	Status
0	1.1.1.1	19ms	50	58	
1	1.1.1.1	17ms	50	58	
2	1.1.1.1	16ms	50	58	
3	1.1.1.1	17ms	50	58	

8. Setting DHCP Server

Address List

+ - ✓ ✗ 📄 🔍 Find

Address <192.168.8.1/24>

Address: 192.168.8.1/24

Network: 192.168.8.0

Interface: BR\_LAN

OK

Cancel

Apply

Disable

Comment

Copy

Remove

enabled

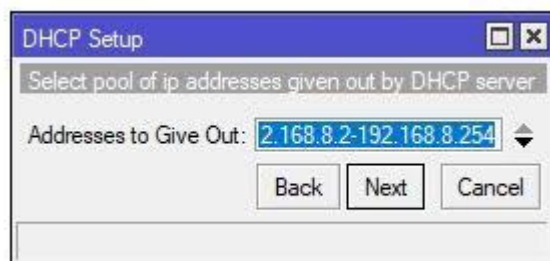
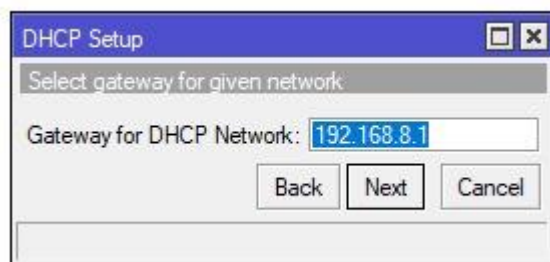
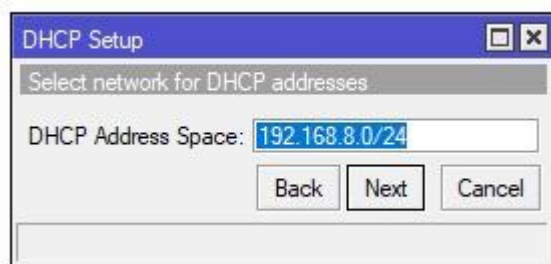
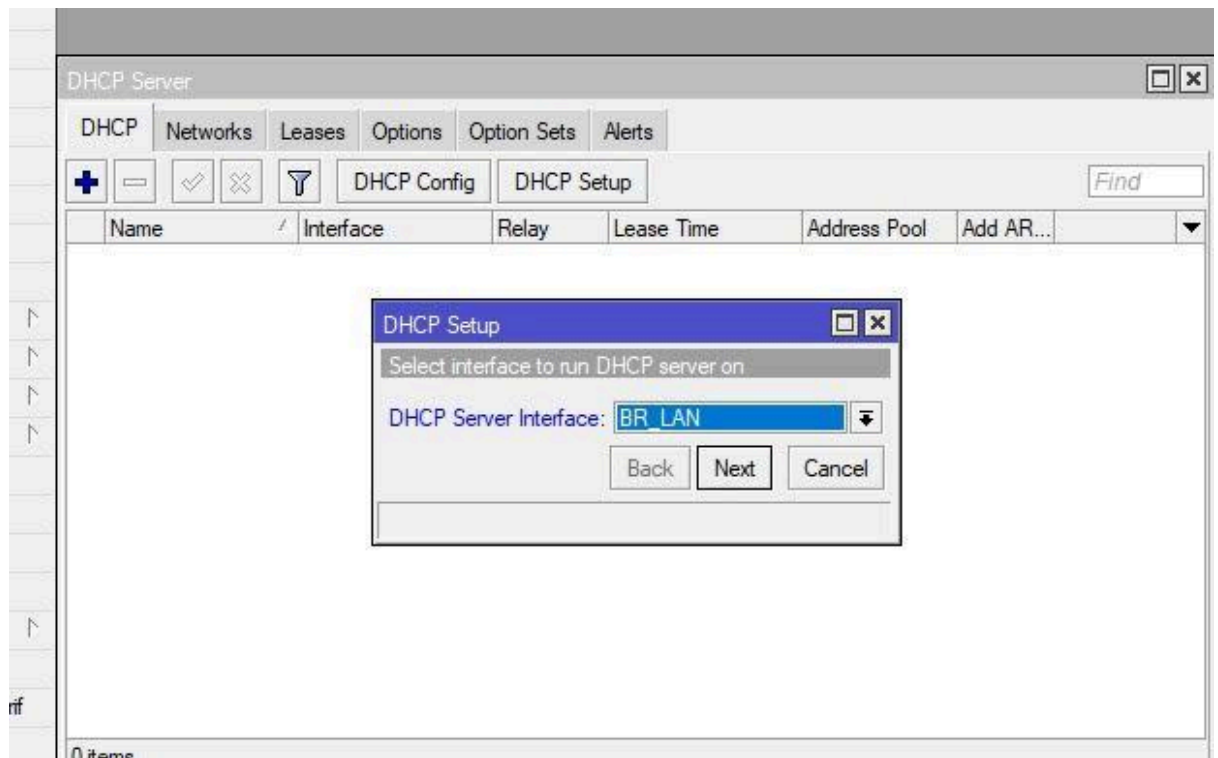
2 items (1 selected)

Address List

+ - ✓ ✗ 📄 🔍 Find

	Address	Network	Interface
	192.168.8.1/24	192.168.8.0	BR_LAN
D	192.168.99.18...	192.168.99.0	ether1

2 items (1 selected)





**DHCP Setup** [min] [max]

Select DNS servers

DNS Servers: 192.168.99.1 [up] [down]

[Back] [Next] [Cancel]

**DHCP Setup** [min] [max]

Select lease time

Lease Time: 00:10:00

[Back] [Next] [Cancel]

**DHCP Server** [min] [max]

DHCP Networks Leases Options Option Sets Alerts

[+] [-] [check] [x] [filter] DHCP Config DHCP Setup Find

Name	Interface	Relay	Lease Time	Address Pool	Add AR...	
dhcp1	BR_LAN		00:10:00	dhcp_pool1	no	

DHCP Server

DHCP

Networks

Leases

Options

Option Sets

Alerts

+

-

✓

✗

📄

🔍

Check Status

Find

Address	MAC Address	Client ID	Server	Active Address	Active MAC Address	
192.168.8.254	D8:BB:C1:AF:AE:...		dhcp1	192.168.8.254	D8:BB:C1:AF:AE:...	MS

```

C:\Users\WINDOWS 11>ipconfig

Windows IP Configuration

Wireless LAN adapter Local Area Connection* 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 4:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::f9d0:f1fc:e724:12c%4
    IPv4 Address. . . . . : 192.168.8.254
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.8.1

Wireless LAN adapter Wi-Fi:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

C:\Users\WINDOWS 11>

```

```
C:\Users\WINDOWS 11>ping 192.168.8.1

Pinging 192.168.8.1 with 32 bytes of data:
Reply from 192.168.8.1: bytes=32 time<1ms TTL=64
Reply from 192.168.8.1: bytes=32 time=1ms TTL=64
Reply from 192.168.8.1: bytes=32 time=1ms TTL=64
Reply from 192.168.8.1: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.8.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\WINDOWS 11>
```

## 9. Backup

