

SETTING MIKROTIK ROUTER SAMPAI DENGAN ONLINE INTERNET

Setting Mikrotik

- Reset Mikrotik
- User Name : admin
- Password :(kosong)

Pilih Connect

WinBox (64bit) v3.35 (Addresse File Tools Connect To: 192.168.88.1	s)				 	− □ ×
Login: admin						Autosave Session
Password:						Upen In New Window
Session: <own></own>					•	Irowse
Note: HouterUS						
Group:						•
RoMON Agent: Add/Set					Connect To RoMIN	Connect
Manager Neighbors						
T Refresh						Find all 🔻
MAC Address VIP Address ID: 20:6E:09:57:8B 192.168.881	 Identity BouterOS 	Version 6 48 6 (long-term)	Board BB95111i-2HnD	Uptime 00:06:45		
1 item (1 selected)						

Pilih SYSTEM kemudian RESET CONFIGURATION

🔘 admin@192.168.88.1 (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

– 0 X

Safe Mode	Session: 192.168.88.1					
💓 Quick Set						
🗘 CAPSMAN						
🛤 Interfaces						
🔉 Wireless						
🔀 Bridge						
te PPP						
🙄 Switch						
°T, Mesh	Auto Llograde					
IB 🕨	Certificates					
MPLS N	Clock					
Routing	Console					
System D	Disks					
	History					
	Identity					
	LEDs					
	License					
New Terminal	Logging					
Dot1X	Note					
MetaBOUTEB	Packages					
Partition	Password					
Make Supout.rif	Ports					
New WinBox	Reboot					
K Exit	Reset Configuration					
×	Resources					
00 00	RouterBOARD					
<u> </u>	SNTP Client					
≥	Scheduler					
S	Scripts					
	Shutdown					
utt	Special Login					
20	Users					
	Watchdog					

RESET CONFIGURATION



đ \times

Beri Nama Interface

Ether1 (Input Internet) Ether2 (Output Internet 1)



Hasil penggantian Nama Ether1 dan Ether2

Sadmin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

o x

Session Settings Da	shboard									
🕥 🍳 🛛 Safe Mode	Session: DC:2C:6E:C9:57:BB									T I I I I I I I I I I I I I I I I I I I
🖉 🖉 Quick Set	Interface List									8
	Interface Interface List Ethernat	FelP Tunnel IP Tunnel CPE T	Summed MIAN		ing LTE					
Interfaces			unner vlan	VNNF DURU	INY LIC					
Wireless	+	Detect Internet								Find
💥 Bridge	Name	∆ Туре	Actual MTU	2 MTU Tx	Bx	Tx Packet (p/s	Rx Pac	cket (p/s) FP Tx	FP Bx	FP Tx Pa
	R 🚸 ether1 (Input Internet)	Ethernet	1500	1598	0 bps	14.3 kbps	0	16	0 bps	13.8 kbps
···· Switch	R operation ether and the sther and the sthere and the sther	Ethernet	1500	1598	76.8 KDps 0 bos	6.7 KDps O bos	11	11	/b.4 kbps 0 bps	0 bos
T [®] Mooh	♦ ether4	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps
	🚸 ether5	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps
	fachu (hi) V	Wireless (Atheres AP9	1500	1000	0 bps	0 bps	0	0	0 bps	0 bps
MPLS P										
JIS Routing	_									
💭 System 🗅										
🝨 Queues										
📔 Files										
🗒 Log										
RADIUS										
🗙 Tools 🛛 🗅										
📼 New Terminal										
🚸 Dot1X	-									
MetaROUTER										
Partition										
Make Supput rif	-									
New WinBox										
	-									
🗿 🗖) Uñadouro 💦 📐	-									
	-									
δ										
D C										
<u>o</u>										
Ind										
Y I	Fitems (1 selected)									

Supaya mikrotik dapat ip otomatis dari perangkat lainnya atau asal sumber internet(modem).



Berhasil dapat ip otomatis dari perangkat lainnya atau asal sumber internet (modem).



Setting Firewall - Nat - Masquerade supaya ip lokal mendapatkan akses internet.

😋 🛛 Safe Mode	Session: DC:2C:6E:C9:57:BB											
💓 Quick Set												
🔉 CAPsMAN												
🚥 Interfaces												
🔉 Wireless												
👯 Bridge												
🏣 PPP												
🙄 Switch		Firewall										
📲 Mesh	488	Filter Rules NAT	Mangle	Raw Service Port	s Connections Address L	sts Layer7	Protocols				- II	
🐺 IP 🛛 🗋				V Report Country	ra 🕜 Report All Countern				Find	-		
🕑 MPLS 🛛 🗅	Accounting											
对 Routing 🛛 🗈	Addresses	# Action	Chain	Src. Address Ds	. Address Proto Src. Port	Dst. Port	In. Inter Out. Int In. Inter Out.	nt Src. Ad Dst. Ad	. Bytes	Packets		
🔯 System 🛛 🗅	DUCD Client											
🌻 Queues												
🖿 Files	DHCP Relay											
🗒 Log	DHLP Server											
RADIUS	DNS .											
🗙 Tools 🛛 🗅	Firewall											
📧 New Terminal	Hotspot											
🚸 Dot1X	IPsec											
💻 MetaROUTER	Kid Control											
🥼 Partition	Neighbors											
📡 Make Supout.rif	Packing											
🕥 New WinBox	Pool											
🛃 Exit	Routes	0.3										
	SMB											
💻 Windows 🛛 🗅	SNMP											
	Services											
	Settings											
	Socks											
	TETP											
	Traffic Flow											



Masquerade

Session Settings Dashboard 🔊 🖓 🛛 Safe Mode Session: DC:2C:6E:C9:57:BB 💓 Quick Set CAPSMAN 🛤 Interfaces 🔔 Wireless 💢 Bridge 🏣 PPP Advanced Extra Action Statistics Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols ΟK 🙄 Switch ÷ \mathbf{T} C Reset Counters - - - P Action: masquerad Cancel Ŧ 📲 Mesh # Action Chain Src. Address Dst. Address Proto... Src. Port Dst. Port In. Inter... Out. Int... In. Inter... Out. Int... S IP Apply Log MPLS Log Prefix: • Disable 对 Routing Comment To Ports: -🔯 System 👧 Queues Сору 🖿 Files Remove Log Reset Counters RADIUS Reset All Counters 🔀 Tools 📧 New Terminal 🚸 Dot1X 💻 MetaROUTER 🦺 Partition 🔊 Make Supout.rif 0 items 🔕 New WinBox 🛃 Exit 💻 Windows enabled

Sadmin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

– 0 X

Beri Ip Address otomatis ether2(Ouput Internet1)/ DHCP Server, dari sisi pengguna dapat ip address otomatis.



Hasil setting DHCP Server ether2 untuk Ip Address Otomatis

admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard 🔊 📿 🛛 Safe Mode Session: DC:2C:6E:C9:57:BB Β× 💓 Quick Set Address List 🔔 CAPsMAN × 🖻 🍸 + Find 🛤 Interfaces Address Network Interface 🔔 Wireless D 🛉 192.168.7.28/24 192.168.7.0 ether1 (Input Internet) ether2(Output Internet 1) 💥 Bridge 字 192.168.100.1/24 192.168.100.0 🏣 PPP 🙄 Switch 📬 Mesh 255 IP MPLS. 茸 Routing 🔯 System 🐥 Queues 🗧 Files Log RADIUS X Tools 📼 New Terminal 🚸 Dot1X 💻 MetaROUTER 🦺 Partition 📡 Make Supout.rif 🚫 New WinBox 🛃 Exit 💻 Windows 2 items

П

×

Kemudian Pilih Ip-DHCP Server-DHCP-DHCP Setup kemudian pilih ether2 yang akan dijadikan pengalamatan Ip Address Otomatis dari sisi pengguna.

Session Settings Dask	hboard					2 7
🔊 😋 🛛 Safe Mode	Session: DC:2C:6E:C9:57:BI					
Vireless Virele	DHCP Server DHCP Netw ● ARP Accounting Addresses Cloud DHCP Client DHCP Relay DHCP Server DNS Firewall Hotspot IPsec Kid Control Neighbors Packing Pool Routes SMB SNMP Services Settings Socks TFTP Traffic Flow UPnP Web Proxy	orks Leases Options	Option Sets Vendor Classes fig DHCP Setup Relay Lease Time	Alerts		tup IV erface to run DHCP server on erver Interface: ether2(Output Internet 1) Back Next Cancel



Hasil akhir DHCP Server di ether 2

Sadmin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

– 0 X

	585510H. DC.20.00.00	5.57.66				 	
💓 Quick Set	DHCP Server						
🗘 CAP\$MAN	DHCP Networks	Leases Options Option	Sets Vend	dor Classes Alerts			
🚥 Interfaces							[
😱 Wireless							L
💥 Bridge	Name dep1	Interface ether2(Output Internet 1)	Relay	Lease Time Address Pool OP:10:00 doop pool	Add ARP For Leases		
🏣 PPP		cinciziouparmemetry			110		
🙄 Switch							
📲 Mesh							
🐺 IP 🛛 🗅							
MPLS ▷	_						
📑 Routing 🛛 🗅	_						
🔯 System 🛛 🗅	_						
🍨 Queues	_						
Files	_						
📃 Log	_						
RADIUS	_						
🗙 Tools 🛛 🗅	_						
🔤 New Terminal	_						
Oot1X	_						
MetaRUUTER	_						
Partition	_						
Make Supout.rif							
New WinBox	-						
	-						
🔲) (indowo 💦 📐	-						
	-						
2							

Klik 2 kali pada ether2, kemudian dicentang Always Broadcast dan Add Arp For Leases.

Safe Mode Session: DC:2C:6E:C9:57:BB	
Quick Set DHCP Server	
CAPsMAN DHCP Networks Leases Options Option Sets Vendor Classes Alerts	
🕯 Interfaces	Find
Wireless	DHCP Server <dhcp1></dhcp1>
Bridge Interrace Relay Lease Time Address Pool Add ARP For Lease Time Address Pool Address Pool Add ARP For Lease Time Address Pool Address Pool Add ARP For Lease Time Address Pool Address Pool Address Pool Add ARP For Lease Time Address Pool Address Pool Add ARP For Lease Time Address Pool Pool Address P	Generic Queues Script OK
PPP	Name: dhcp1 Cancel
2 Switch	
, Mesh	
	The state of the s
Dertie	Lease Time: 00:10:00
Custom N	Bootp Lease Time: forever
	Address Pool: dhcp_pool1
	DHCP Option Set:
P BADILIS	
a New Terminal	Authoritative: yes
> Dot1X	Bootp Support: static
MetaROUTER	Client MAC Limit:
Partition	Use BADIUS: no
Make Supout.rif	
) New WinBox	Always Broadcast
Exit	Add ABP For Leases
	Use Framed As Classless
Windows D	Conflict Detection
	enabled

1 item (1 selected)

Reboot mikrotik atau restart. Pilih System-Reboot.

😋 🛛 Safe Mode	Session: DC:2C:6E:C9:57:BB		
💓 Quick Set			l
CAPSMAN			
💷 Interfaces			
🔉 Wireless			
💥 Bridge			
🏣 PPP			
🙄 Switch			
📲 Mesh			
🐺 IP 🛛 🗅	Auto Upgrade		
🕑 MPLS 🛛 🔿	Certificates		
对 Routing 🛛 🗅	Llock		
🔯 System 🛛 🗅	Console		
Quouco	Disks		
📄 Files	History		
🗒 Log	Identity		
RADIUS	LEDs		
🔀 Tools 🛛 🗅	License		
🔤 New Terminal	Logging		
🚸 Dot1X	Note		
MetaROUTER	Packages		
🔔 Partition	Password		
Make Supout.rif	Ports		
New WinBox	Reboot		
K Exit	Reser Configuration		
-	Resources		
	RouterBOARD		
	SNTP Client		
	Scheduler		
	Scripts		
	Shutdown		
	Special Login		
	Users		
	Watchdog		



Dari sisi klien atau pengguna sudah berhasil

View status of this connection Change settings of this connection F ware Network Adapter VMnet1 VMware Network Adapter VMnet8 Enabled ware Virtual Ethernet Adapter VMware Virtual Ethernet Adapter
View status of this connection Change settings of this connection Image: Settings of this connection ware Network Adapter VMnet1 VMware Network Adapter VMnet8 bled Enabled ware Virtual Ethernet Adapter VMware Virtual Ethernet Adapter
ware Network Adapter VMnet1 ibled ware Virtual Ethernet Adapter VMware Virtual Ethernet Adapter

Dari sisi klien atau pengguna sudah berhasil. Kita tes **ping** ke google.com

🔤 C:\WINDOWS\system32\cmd.exe - ping_google.com -t



Dari sisi klien atau pengguna sudah berhasil. Kita tes tracert google.com

C:\WINDOWS\system32\cmd.exe - tracert_google.com \times C:\Users\e>tracert google.com Tracing route to google.com [142.251.12.100] over a maximum of 30 hops: <1 ms 192.168.100.1 1 <1 ms <1 ms 2 <1 ms <1 ms 192.168.7.1 <1 ms 12 ms ip-103-83-6-241.moratelindo.net.id [103.122.33.241] 13 ms ip-103-83-6-161.moratelindo.net.id [103.83.6.161] 4 13 **m**s 13 ms 5 25 ms ip-103-83-6-18.moratelindo.net.id [103.83.6.18] 25 ms 25 m s 6 27 m s 27 ms 74.125.118.220 25 m s 25 ms 108.170.254.225 28 ms 8 27 ms 27 ms 37 ms 108.170.254.227 28 ms 216.239.35.174 10 26 ms 26 ms 26 ms 209.85.250.37 11 25 ms 26 ms 28 ms 142.251.52.243 12 Request timed out. 13 Request timed out. ж 14 Request timed out. 15 ж Request timed out. 16 Request timed out. 17