



# Miftakhul Arifin

Introduce my name is Miftakhul Arifin. I am a student at SMKN 1 Nglegok, and I chose the Department of Computer and Network Engineering. I really like studying IT, especially in the field of Networking, for example like Mikrotik, Cisco, Juniper.

## SOFT SKILLS

- Able to work in team and individual
- Able to work under pressure
- Time management
- Problem Solving
- Never give up
- Responsible
- Curiosity

## EXPERIENCE

- Komunitas IT Organization SMKN 1 Nglegok.
- Configuration Router Cisco in GNS3.
- Configure RouterOS MikroTik.
- Cable UTP Crimping.
- Configuration Debian.
- Configuration Juniper.

## MY WORK

- Modules Debian 10 Linux System Administration.
- Modules Mikrotik Certified Network Associate.
- Modules Mikrotik Certified Routing Engineer.
- Modules Cisco Certified Network Associate.

## SERTIFICATE

- Virtual Machine Fundamentals - Aguna Course.
- Network Fundamentals - Aguna Course, IDN.
- Linux Fundamentals - Aguna Course, IDN.
- Google Sertificate IT Support - Coursera.
- Belajar Dasar - Dasar DevOps - Dicoding.
- Python Fundamentals - Aguna Course.
- Cisco Fundamentals - IDN.

## EDUCATION

- SMKN 1 Nglegok (2021-2024)
- Juniper Junos (Online Course - Aguna Course).
- Inco Academy Work In Tech (Participant).

## CONTACT

- **Address** : City of Blitar, East Java, Indonesia
- **Email** : miftakhularifin.xtkj1.23@gmail.com
- **Phone** : 0878-1199-2512
- **Linkedin** : <https://www.linkedin.com/in/miftakhul-arifin-880155235>
- **Blog** : <https://cahblitaran.blogspot.com/>

## HARD SKILLS

### • MIKROTIK

#### • FUNDAMENTAL

Disable/Enable Port, Upgrade/Downgrade Mikrotik, Identity, Management (Group, User, Service, Time, MNDP), Mac Server, NTP (Server, Client), Backup & Restore, Export & Import, Install RouterOS in VM, Netinstall, Hard & Soft Reset.

#### • MANAGEMENT NETWORK

IP Address, DHCP (Server, Client, Make Static, Server Security), IP Pool, DNS Server, Router Gateway, ARP Mode (Disabled, Enabled, Proxy-ARP, Reply-Only), Bridge.

#### • ROUTING

Static Routing, Dynamic Routing, Default Route, Static Routing Summarization, Static Routing Default Route, Point to Point Addressing, Routing Priority, Routing Type (Backhole, Prohibit, Unicast, Unreachable), Routing Mark, Routing Rules, VRF, Scope and Target Scope, VLAN, Q in Q Implementation, Switchport, Bonding, OSPF Area, Redistributed (Default Route, RIP) Fail Over, Load Balance).

#### • FIREWALL

Firewall Filter (Input, Output, Forward), Block Sites With (Firewall Filter Forward, Based on Content, Layer 7 Protocols, DNS Nawala, Transparent DNS Nawala), Firewall Action (Drop, Reject, Logging, Jump), Connection State, Firewall (Address List, Nat Action Src-nat, Nat Action Masquarade, Action Redirect).

#### • WEB PROXY

Redirect Website, Block File Based Extension, Block Sites By Word, Block Sites, Enable Web Proxy, Transparent Web Proxy.

#### • WIRELESS

Wireless (AP Bridge, Bridge, Station Bridge, Station, Station Pseudobridge, Virtual Access Point, Virtual AP + DHCP Server, Nstreme, Security Profile, Access List, Connect List, Default Authenticate, Default Forward, Hide SSID, Wireless Router Gateway, Wireless Static Routing, Bridge Via Wireless).

#### • HOTSPOT

Hotspot (Sever, Server Profile, Users, User Profile, User Profile Rate Limit, IP Binding Mode (Blocked, Bypassed, Regular), Walled Garden, (IP List), Changed the hotspot login page, Advertisement).

#### • QOS (QUALITY OF SERVICE)

Simple Queue (With Parent, With Priority, With Burst, With PCQ,

#### • TUNNEL

Tunnel (EoIP, L2TP, PPTP, PPoE)

- **CISCO**

- **INTRODUCTION**

User Mode, Privilege Mode, Global Configure Mode, Enhanced Editing Command Cisco, Time, Hostname, Password, View, Save, Delete Configuration.

- **SWITCHING**

Switch Vlan Cisco, Vlan Trunking, Allowed Trunk, Dynamic Trunking Protocol, Virtual Trunking Protocol, Trunk in MLS, Security Port Switch, Spanning Tree Protocol, Per VLAN Spanning Tree Protocol, Spanning Tree Portfast, Etherchannel (LACP, PAgP, Layer 3) Enable Telnet & SSH in Switch.

- **ROUTING**

Inter VLAN Routing, DHCP Server (In Router & Switch MLS), DHCP Relay, Routing in Switch MLS, Routing Static, Routing Dynamic (RIP, OSPF, EIGRP), EIGRP Distribute List Filtering In & Out, Floating Static Route Cisco, EIGRP Filtering Using Prefix List, Calculating EIGRP Metrics, Equal & Unequal Cost Load Balancing EIGRP, Route-Map, EIGRP (Filtering Even IPs & Odd IPs, Summarization, Unicast Update, Summarization Default Route, EIGRP Redistribution RIP, EIGRP Redistribution OSPF, EIGRP Change Path (Bandwidth & Delay), EIGRP Stub Connected, EIGRP Stub Summary, EIGRP Stub Static, OSPF Virtual Link, OSPF Redistribution Default Route, OSPF Redistribution Static, OSPF Redistribution Connected, OSPF Redistribution RIP, OSPF Redistribution EIGRP, OSPF Stub Area, OSPF Totally Stub Area, OSPF Not So Stubby Area, OSPF Totally NSSA, OSPF Filtering (Allow Even IP & Allow Odd IP), OSPF Summarization Area Range, BGP Confederation Cisco, BGP Attribute (Origin, Community No-Export, Community No-Advertise, Community Local-AS, Weight, Local Preference, AS Path Prepend, MED, Best Path Election, Originator & Cluster ID, ), BGP Summarization, BGP Filtering (Regexp), BGP Multihoming (Load Sharing & Backup Link), BGP Backdoor, BGP Allow AS IN, BGP Local AS, BGP Peers Group, BGP AS Number 32 Bit, DMVPN Phase 1 Static Mapping (RIP) and DMVPN Phase 1 Dynamic Mapping (EIGRP), DMVPN Phase 1 Dynamic Map (OSPF), IBGP Full Mesh.

- **ACCESS LIST**

Standard Access List, Block Telnet, Named Access List, Extended Access List Block (Pings, HTTP/HTTPS Packet).

- **NAT (NETWORK ADDRESS TRANSLATION)**

Nat Static Cisco, Nat Dynamic Cisco, Nat Dynamic Cisco (With Exit Interface).

- **WAN CISCO**

WAN HDLC, PPP Cisco, PPP PAP, PPP CHAP.

- **JUNIPER - JUNOS**

Introduction to Juniper (Unix Mode, Terminal Mode, Edit Mode), Basic Juniper CLI, Juniper Configuration Lifecycle, Routing Static, Routing Dynamic OSPF, Routing Dynamic IS-IS, Redistribution, Firewall.