



INDAH SEKAR NINGRUM

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PROFESSIONAL SUMMARY

Detail-oriented network engineering graduate (GPA 3.69/4.00) with hands-on experience in MikroTik-based network configuration covering routing, switching, VLAN, NAT, and firewall setups, backed by MTCNA certification. Skilled in diagnosing and resolving configuration failures in live router environments, with a solid understanding of LAN/WAN, TCP/IP, DNS, and firewall technologies across Windows and Linux systems. Built and deployed a full-stack network monitoring system on a Linux server, demonstrating end-to-end ownership of network infrastructure. Comfortable working in project-based environments, shift systems, and field assignments.

WORK EXPERIENCE

Laboratory Teaching Assistant for Computer Network Practicum

Feb 2025 – Jun 2025

Dept. Teknik Elektro & Informatika, Universitas Gadjah Mada • Yogyakarta

- Delivered hands-on MikroTik network configuration training (routing, switching, VLAN, NAT, firewall) to 20+ undergraduate students, equipping them with industry-relevant skills directly applicable to enterprise network environments.
- Reduced lab downtime by rapidly diagnosing and resolving configuration failures in live router environments, ensuring uninterrupted learning sessions through structured troubleshooting approaches.
- Fostered a productive lab environment through proactive student support, demonstrating the communication and stakeholder management skills valuable in client-facing or team-based technical roles.

Internship in Penetration Tester

Sep 2024 – Feb 2025

PT Spentera • South Jakarta

- Analyzed web and server (Windows/Linux) infrastructure in lab environments, developing deep understanding of system configurations, network behavior, and common misconfiguration patterns relevant to real-world support scenarios.
- Diagnosed and traced system and network-level issues across multiple target machines, applying structured troubleshooting workflows to identify root causes — directly transferable to fault isolation in network support roles.
- Documented findings in detailed technical write-ups covering system behavior, configuration gaps, and resolution steps, reflecting the clear technical communication expected in support escalation and incident reporting.

Part-time Information Technology Management (Study Program Assistant)

Apr 2023 – Mar 2024

Internet Engineering Technology Study Program, Universitas Gadjah Mada • Yogyakarta

- Processed and structured 1,000+ RKKPS documents with zero data loss through manual duplicate detection, classification, and consistency filtering — demonstrating the data accuracy and ETL discipline critical for database and data pipeline work.
- Drove digital presence for an international program with 100+ participants by managing the website and social media, producing 40+ content pieces that maintained a consistent, professional brand image.
- Supported cross-functional information systems coordination across a multi-lecturer, international-scale program, reflecting the organizational and communication skills needed in fast-paced, collaborative environments.

EDUCATION

Applied Bachelor's – Internet Engineering Technology (Computer Network and Telecommunication)

GPA: 3.69 / 4.00

Universitas Gadjah Mada, Yogyakarta

Relevant coursework: Linux System Administration, Computer Networking (MikroTik, Cisco Packet Tracer, GNS3), Hardware Setup.

CERTIFICATION AND TRAINING

MTCNA – MikroTik Certified Network Associate | *MikroTik*

Linux System Administration | *Ongoing* | *Adinusa*

- Ubuntu-based user/group management, package management, firewall, network configuration, system monitoring, kernel tuning, and production infrastructure troubleshooting.

PROJECT EXPERIENCE

Wi-Fi Network Stability and Performance Monitoring System (Final Project) • *Universitas Gadjah Mada*

[\[Link to Portfolio\]](#)

- Built an end-to-end network monitoring system collecting real-time Wi-Fi metrics (RSSI, packet loss, latency) from an ESP32 sensor to a Linux server, enabling continuous visibility into network stability; directly mirroring the monitoring workflows used in L1/L2 network support environments.
- Designed SQL schemas and queries to store and aggregate time-series network data, powering a live dashboard for performance trend analysis and anomaly detection; the same observability logic applied in NOC and helpdesk monitoring tools.

- Deployed and maintained the full stack on a Linux server (Nginx + MySQL + PHP + HTML/CSS/JS), ensuring system availability and data accuracy throughout the project lifecycle.
- Authored complete technical documentation covering system architecture, data flow, and operational procedures — consistent with SOP and runbook standards expected in structured support team environments.

TECHNICAL SKILLS

Operating Systems: Ubuntu Linux, Kali Linux, Windows; Linux CLI & system administration

Networking: MikroTik RouterOS, routing & switching, VLAN, NAT, firewall, LAN/WiFi troubleshooting

Monitoring & Support: System health monitoring, log analysis, incident documentation, structured escalation

Tools: cPanel, Nginx, CMD, Google Ecosystem (GDrive, Gmail, Gdocs)