

PUTRA ALPA OMEGA BANGUN

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[My Portfolio](#) 

Enthusiastic and detail-oriented Telecommunications Engineering student passionate about IT system security, especially in Blue Team roles. Currently learning and researching Zero Trust Network Access, threat detection, incident response, and risk monitoring. Committed to continuous learning and aiming to protect digital systems through strong analysis and proactive defense

EDUCATION

Telkom University - Bandung

Bachelor of Engineering, Telecommunication Engineering

Sep 2022 - Sep 2026 (Expected)

GPA : 3.69

- **Coursework** : Network Security, Cloud Computing, Ethical Hacking, Data Communication Network, Telecommunication Network, Queuing System, DataComm Security.
- **Relevant Activities** : Participant Capture The Flag (CTF) Competition by HMIF ITB 2025, Cyber Security Awareness Learner by Certiprof, International Information Systems Security Certification Consortium (ISC2) Candidate.

WORK EXPERIENCE

Cyber Security Research Assistant - Multimedia, Big Data, and Cyber Security

(MBC) Laboratory

Oct 2024 - Present | Bandung, Indonesia

- Successfully conducted a research exhibition on Zero Trust Network Access (ZTNA) as part of the campus and laboratory accreditation process.
- Conducted a research project by writing a review paper titled "Comprehensive Analysis on Zero Trust Network Access Security For Remote Access Service".

PROJECT

FoXie DDoS | [Github](#)

Aug 2024 - Present








- Created a tools for a DoS (Denial of Service) attack and port scanning based nmap as an experiment for academic research purposes using Python 3

Comperensive Analysis on Zero Trust Network Access (ZTNA) Security Services

Oct 2024 - Present

- Serving as the first author in a scientific paper project, I collaborated with a lecturer and a team of research assistants to formulate an in-depth study on the effectiveness of Zero Trust Network Access in modern security aspects, ready to be published as a relevant and innovative scientific contribution.

RELEVANT COURSES & CERTIFICATIONS

- Certified Network Security Practitioner (CNSP) - The SecOps Group (2025). 
- Certified in Cyber Security (CC) by ISC2 (2025). 
- Certified Phising Prevention Specialist (CPPS) by Hack & Fix (2025). 
- Certified ISO/IEC 27001 Information Security Associate™ by SkillFront (2025). 
- Cyber Security Awareness Learner by Certiprof (2025). 
- Google Cloud Computing Fundamental - Google Cloud Skill Boost (2025). 
- Cyber Security Fundamentals by IBM (2025). 

SKILLS

- **Hard Skills** : ZTNA (Twingate, Cloudflare), Brute Force (Metasploit) , Network Pentesting (Nmap, Nessus, OpenVAS), Web Security (Burp Suite), Network Traffic Analyst (Wireshark), Server (Proxmox, Ubuntu Server), IDS (Wazuh, Suricata).
- **Soft Skills** : Leadership, Critical Thinking, Problem Solving.
- **Languages** : Bahasa (Native), English (EPrT : 453).

AWARDS

- Gold Medal - University-Level Physics Olympiad by FOSNAS (2024)
- Bronze Medal - University-Level Mathematics Olympiad by KOSMIK (2024)
- Silver Medal - University-Level Physics Olympiad by KOSMIK (2024)
- Silver Medal - National High School Mathematics Olympiad by University.id (2022)

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

People Development - Multimedia, Big Data, and Cyber Security (MBC) Laboratory

Nov 2024 - Present

- Responsible for developing the skills of Cyber Security research assistants through structured training courses and mentorship programs.
- Designed and monitored the progress of research assistants to ensure effective skill development.
- Successfully managed performance evaluations, fostered a positive work culture, and supported team members in accessing certifications, competitions, and career opportunities in cybersecurity.

Senior Staff of Academic Department - Telecommunication Engineering Student

Association (HMTT)

Oct 2024 - Present

- Successfully for assisting, enhancing, and evaluating the academic quality of Telecommunication Engineering students at Telkom University.

Chairman - Komunitas Tentor (KOMTEN)

Oct 2024 - Present

- Successfully managed 20+ tutor requirements to support the academic activities of Telecommunication Engineering students, particularly in exam preparation and specialized subject courses.

Chairperson - Farewell Party Komten 2024

Oct 2024 - Nov 2024

- Serving as the Coordinator of the Komten Farewell Party, I led the creation of a dynamic and innovative rundown, successfully attracting over 20 attendees who were mentors from the previous year, creating unforgettable moments for everyone present.

Member of Cloud Computing - Google Developer Group on Campus (GDGoC)

Dec 2023 - Present

- Actively involved in exploring the latest cloud technologies, collaborating with like-minded peers, and contributing to innovative solutions that shape the future of technology.

VOLUNTEERING

- Physics 1 Tentor - Telecommunication Engineering Course (Telcourse) Event (2023)
- Chemistry 1 Tentor - Telecommunication Engineering Course (Telcourse) Event (2024)
- Logistic Division - Telecommunication Laboratory Forum by HMTT (2024)
- Logistic Divison - Company Visit to PT Telkom Indonesia by MBC Laboratory (2024)