



EZAR PRASETYA

Bachelor of Applied Science in Electronic Engineering

Politeknik Elektronika Negeri Surabaya (PENS)

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SUMMARY

I am an Electronic Engineering student with hands-on experience in electronics project development and organizational leadership. I have solid skills in team coordination, problem solving, and effective communication, especially in technical and collaborative environments. I am an adaptable and observant person, and I can face challenges with initiative and a strong sense of responsibility, always striving to deliver high-quality results. With a passion for continuous learning and innovation, I want to contribute meaningfully to the academic and professional environment through the skills and experiences I have acquired.

EDUCATION

Politeknik Elektronika Negeri Surabaya (2022 – Present)

Bachelor of Applied Science in Electronic Engineering :

- Semester 1 :	3.15 / 4.00
- Semester 2 :	3.03 / 4.00
- Semester 3 :	3.44 / 4.00
- Semester 4 :	3.65 / 4.00
- Semester 5 :	3.51 / 4.00

SMA Negeri 20 Surabaya (2018 - 2021)

Department of Mathematics and Natural Sciences – NUS : 90.27

WORK EXPERIENCE

PT. TOSHIN PRIMA FINE BLANKING – INTERNSHIP (2025)

- Assisting the maintenance division in carrying out its duties.
- Making and installing slip rings on rotary motors of grinding machines
- Designing and building tools to check thread quality in manufactured products

ORGANIZATIONAL EXPERIENCE

Head of Basketball Student Activity Unit, PENS (2023 – 2024)

- Led and managed the campus basketball club
- Developed training programs and coached team members

Roboholic Student Activity Unit, PENS - Project Division Member (2022 - 2023)

- Planned and executed robotics projects
- Conducted testing and evaluation of robotic prototypes

OSIS (Student Council), SMA Negeri 20 Surabaya - Division 3 Member (2018 - 2019)

- Managed extracurricular sports such as futsal, basketball, volleyball, and badminton
- Organized and executed sports competitions

COMMITTEE EXPERIENCE

JAVA ROBOT CONTEXT XI - Equipment Division (2023)

- Prepared and organized all necessary tools for the event
- Ensured readiness and completeness of equipment throughout the competition

Basic Student Management Skill Training - Divisi Acara (2023)

- Planned and managed the training agenda`
- Coordinated event execution and ensured smooth session transitions

TWENTY CUP - Participant Division (2019 – 2020)

- Invited and maintained communication with competition participants
- Managed registration and participant data verification

TWENTY PROJECT - Security Division (2018)

- Ensured event security and maintained a conducive environment
- Supervised entry and exit routes and coordinated with related parties

TRAINING EXPERIENCE

Certification Training in Electrical Measurement Tools Operation – Badan Nasional Sertifikasi Profesi (2024)

- Mastered fundamentals of electrical measuring tools such as multimeters and oscilloscopes
- Trained in calibration and interpretation of measurement results
- Understood safety procedures in electrical measurement

Student Management Skill Training, Basic Level– Politeknik Elektronika Negeri Surabaya (2023)

- Developed leadership and organizational management skills
- Gained knowledge in work program planning and execution

Student Management Skill Training, Pre-Basic Level– Politeknik Elektronika Negeri Surabaya (2022)

- Studied and practiced soft skills including leadership, time management, critical thinking, and prioritization
- Improved collaboration and effective communication within teams

PROJECT EXPERIENCE

- Development of a local website
- Construction of an audio amplifier with linear power supply
- Creation of a 3-phase inverter module for AC motor operation
- Development of an electricity monitoring and control prototype using ESP32
- Design and development of a thread inspection device for manufacturing products using a current sensor and proximity sensor based on Arduino Nano

CERTIFICATION

- Pengoperasian Alat-alat Ukur Listrik (Operation of Electrical Measurement Tools) - Badan Nasional Sertifikasi Profesi (BNSP)

SKILLS

- Microsoft Office (Word, Excel, Power Point)
- Programming : C, C++, PHP, HTML, Python
- Simulation Tools: FluidSim, LTSpice, Wokwi, Proteus
- Design: Canva, KiCad
- Hardware skills: Welding, Grinding, Soldering, Turning, Measuring
- Languages: Indonesian (Native), English (Intermediate)