



HANIFUL QAIS

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East Jakarta , DKI Jakarta, Indonesia

Bachelor of Applied Electrical Engineering with expertise in automation, embedded systems, and IoT. Experience working on technical projects and prototypes based on Android and CNC. Proficient in C#, C++, Visual Studio Code, and have good communication and organizational skills. Active in innovation activities and technology exhibitions.

Work Experiences

CV. Calista Mustika - Surabaya, Indonesia

Apr 2025 - May 2025

Electrician

CV. Calista Mustika - A supply chain and maintenance company that provides integrated solutions for various industrial sectors.

- Conducted thorough inspections of high-voltage (380–400V) electric systems on a bone-melting furnace at Universitas Airlangga.
- Identified and replaced 3 damaged power cables and 2 faulty contactors within 2 days, restoring full operational capability.
- Performed system tests to ensure the furnace reached optimal operating temperatures of up to 2000°C.
- Verified the functionality of automated air valve systems during the cooling process to prevent overheating.

PT. Tosuro technology Indonesia - Bekasi, Indonesia

Aug 2022 - Nov 2022

Production Operator and QC Assistant (Intern)

PT Tosuro Technology Indonesia - A manufacturing company in Bekasi that focuses on CNC machine design, industrial automation, and CNC training.

- Compiled operational feasibility reports twice daily (morning & afternoon) for over 10 CNC machines; submitted weekly to the production supervisor.
- Collaborated in the direct production of industrial pumps, contributing to a consistent 5–10% monthly increase in production output.
- Performed pre-QA inspections on an average of 200 units/month, maintaining product acceptance levels above 98%.

Elco Jewellery - Jakarta, Indonesia

Apr 2021 - Feb 2022

Production

Elco Jewellery - A fashion jewelry company since 2009, specializing in rings and jewelry in Gold, Palladium and Silver.

- Worked in the manufacturing line for rings, bracelets, necklaces, and pendants, producing over 100 units per week.
- Improved weekly production output by 3–5% over a 6-month period through consistent quality assurance and process discipline.
- Conducted regular visual and dimensional inspections to ensure all products passed 100% Quality Control before distribution.

PT. Howsanindo Industry - Bekasi, Indonesia

Sep 2018 - Dec 2018

Machine Operator (Intern)

PT Howsanindo Industry - Manufacturer of antennas, CNC precision components, and metal tubes; part of Taiwan's HOWTSEN Group.

- Operated automated pipe-cutting machines for antenna and metal tube manufacturing, targeting 150–200 units daily.
- Drafted daily production reports based on output and efficiency metrics; presented monthly to supervisors.
- Supported the antenna assembly team during under-target periods (<50% daily target), helping recover and boost production rates by 2–3.5% per month.

Education

Politeknik Elektronika Negeri Surabaya (PENS) - Surabaya, Indonesia

Aug 2023 - Jan 2025

Bachelor of Electrical Engineering, 3.50/4.00

- Conducted 2 Community Service activities attended by a total of 90+ high school/vocational school students, with IoT practices that improved their understanding based on evaluation results (>80% positive response).
- Designed and built an Android-based automatic relay sports tool individually, tested on 4 runners and used in a race simulation, successfully recording the time of each runner with an accuracy of ± 0.1 seconds.
- Developed an automatic liquid material mixing machine for industrial prototype needs, increasing mixing efficiency by ~40% compared to manual methods.
- Built an automatic coffee roasting machine with a team (2 people) and successfully collected data from more than 20 roasting sessions for Masters-level research.
- Created an RC racing boat capable of completing a test track in an average time of 35 seconds, used as a medium for long-distance radio signal research.
- Received an Intellectual Property Rights (IPR) certificate from the Ministry of Law and Human Rights for personal final project work.

Politeknik Elektronika Negeri Surabaya (PENS) - Surabaya, Indonesia

Jul 2020 - Jul 2023

Diploma in Electrical Engineering, 3.14/4.00

- Participated in the PENS Pre-Basic Level Student Management Skills Exercise.

- Participated in the PENS Basic Level Student Management Skills Exercise.
- Designing and making laptop-based automatic relay sports equipment individually to complete the Applied Associate Expert level final project and get an A (85-100).
- Participated in the 2023 innovation competition and exhibition at the PENS student level with 608 participants, as well as a national level innovation exhibition featuring the work of Lecturers, PENS Students, Vocational / High School Students, and Industry with 120 booths, having the opportunity to represent Indonesia to the ASEAN level through the InnoWorks event.

Organization Experience

Himpunan Mahasiswa Elektronika PENS - Politeknik Elektronika Negeri Surabaya (PENS), Surabaya, IndonesiaMar 2022 - Apr 2023
Domestic Senior Staff

The Electronics Student Association (HIMA Elka) is a student organization at Surabaya State Electronics Polytechnic that accommodates students of the Electronics Engineering Study Program.

As part of the Department of Home Affairs, it plays a role in fostering internal relationships between members, strengthening coordination, and organizing activities that support solidarity and student character development.

- Organized a student bonding event with the participation of more than 150 people, and was rated the best internal event of 2023 based on a member satisfaction survey (85% very satisfied).
- Organized 6 inter-student competitions in a series of campus sports events, attended by more than 80 active participants.

Himpunan Mahasiswa Elektronika PENS - Politeknik Elektronika Negeri Surabaya (PENS), Surabaya, IndonesiaMar 2021 - Mar 2022

Junior Staff of Communication and Information Technology

The Department of Communication and Information (Kominfo) is a division in the organizational structure of the Student Association that is responsible for managing the flow of information, publication of activities, and imaging of the association through digital and print media.

Kominfo acts as a communication link between administrators, members, and external parties, with the main focus on delivering fast, accurate, and interesting information through various communication platforms.

- Create more than 30 digital contents (posters, Instagram feeds, promotional stories) to support the promotion of 10+ association activities.
- Compile and disseminate 15+ official activity information regularly through social media and internal groups.
- Documented at least 10 organizational activities in the form of photos and videos, which were uploaded to the digital archive and official media of the association.
- Help increase member participation by 25% through visual content and more structured communication.

Competition, Ability and Reward

- **Competition** 🏆 (2023): Final Project Competition
- **Ability** 📊 (2023): TOEFL : 450
- **Ability** (2021): Public Speaking, Presentation, Project Management
- **Ability** 📊 (2019): Application of Electronic Circuits (BNSP)
- **Reward** 🏆 (2024): Project Copyright
- **Reward** (2023): PENSasi Vocational Innovation and Technology Exhibition 2023