

FIKRI HAIKAL



About Me

As a graduate with diplomas in Computer Engineering and bachelor's in Informatics Engineering, I specialize in mobile app development, particularly Flutter. My experience includes Internet of Things and robotics programming, fueling my passion for innovation in a dynamic work environment and contributing to industry advancements.



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EDUCATION

Politeknik Negeri Jember

Bachelor of D3 - Computer Engineering
2018-2021

Politeknik Negeri Jember

Bachelor of D4 - Informatic Engineering
2022- 2023

EXPERTISE

- Flutter
- Git
- Linux
- IOT
- Laravel

EXPERIENCE

Researcher UKM Robotika

Politeknik Negeri Jember

2020 - 2022

- Abu Robocon Team Such as Programmer
- Project Team GoodBye Covid-19 robot
- Implemented Invers Kinematic for Robot Three wheel Holonomic with fuzzy and PID

Teacher Extracurricular Robotics

SMP Maria Fatima

2019-2020

Teaching a student about basic electronics and basic programming especially Microcontroller Arduino.

Freelance IoT Engineer

Jember, Jawa Timur

2021 - Now

- Smart Greenhouse Monitoring System
- Smart Nutrition Control
- Farming Robot

IT Field Support

2023 - Now

I am an IT support at IKC, a vendor for the Jember Regional Revenue Office (Bapenda Jember), tasked with monitoring local taxes for taxpayers

PROJECT

Monitoring the Weight of Lettuce Plants

- Plant weight monitoring with mobil apps based Flutter
- Plant weight detection with YOLO Processing and Polynomial Regresion
- Web Service with express js

Smart Monitoring Greenhouse

- Monitoring temperature, moisture, and humidity on greenhouse
- Monitor With Raspberry Pi

Invers Kinematic for Robot Three

Holonomic with fuzzy and PID Method

- Invers Kinemtic On Mobile Robot with STM32F4 Controller
- A desktop application to track the coordinates traversed by a robot using C#