FADHIL RIZKY

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Personal Profile

I am fresh graduate of State Polytechnic of Jakarta, majoring in Electrical Engineering, that focus on Embedded System, PLC, Microcontroller Programming, and Electronic Control. I'm a hardworking and determined person. In my whole life, I have faced several failures but none of that can bring me down. Besides that, my adaptability skills also allows me to adjust easily to new environments.

Educational Background

Diploma Degree in Industrial Electronics, Jakarta State Of Polytechnic, Aug 2017 – Oct 2020

- GPA : 3.12 Final Project : Vibration Dataquisition Tool On Bridge Prototype

36 Senior High School, 2014 - 2017

- Major : Science

Working Experience

Internship at PT.Pertamina (Persero), Banten , july 2019 - september 2019

- During my internship there I repaired LPG gas production equipment from flow meters, ATG, VSD, panels and PLC

Organizational Experiences

Electrical Engineering Association 2017 - 2020

- Member

Programmer and Electrical Division in Robotics Team PNJ, 2018 - 2019

- During in the robotic team, I programmed the robot using the open CV and STM32

- besides that I designed the Electrical System for 3 robots in KRSBI Division

General Electrical Engineering Lecture, 2018

- Logistic Division

Projects

Vibration Dataquisition Tool On Bridge Prototype

vibration detection tool on the bridge prototype in this project I created a system that can read the condition of the bridge to see from the vibrations that are generated compared to the tolerance on the bridge. By using MPU 6050 Sensor and STM32 Microcontroller, the data is then projected on LabVIEW.

PLC Conveyor

In this project I was tasked to create a program of selection of types of goods for application on conveyors and propulsion machines to separate goods with ultrasonic sensor parameters and barcodes.

Water turbidity detection tool

In this project I created a tool to detect water turbidity with hiz turbidity sensor with Esp 8266 whose data is sent to thingspeak for further analysis.

RFID and ultrasonic based home security systems

on this project I created a system for the security of a house using RFID and Ultrasonic and cameras that are integrated with telegram bots so that homeowners can find out who wants to interfere with the security of their home.

Skills

Programming

- Have experience in programming with the languages used are **C**, and **C ++**. I got this skill from studying and doing several assignments during college. And also Microcontroller programming like **Arduino**, and single board computer (SBC) like **Raspberry Pi**.

- Web Programming like **HTML**, **CSS**, **Bootstrap**, **Javascript**,**PHP**,**Golang**,**Laravel** and **MySQL**

- I also mastered operation system like **Linux** and version control like **Git**

PLC Programming

- The PLC used is **Schneider** with ladder as PLC programming language.

Design

- Have experience in designing and creating schematics and layouts, and tool simulations. The software used are **Eagle PCB** for schematic design and layout, **Ni Multisim** & **Proteus** for simulation tools and **Autocad** for object design.

- UI/UX Design Like web design and apps design with **Figma** and **Adobe XD**.