Farhan Izzuddin Prasetyo
Surabaya
081703706677
Farhanizzuddin.12@gmail.com

Dear PT. Freeport Indonesia,

I am excited to apply for the Instrumentation and Controls Technician at PT. Freeport Indonesia. I hold a degree in Electrical Engineering have 1 year experience in PT. Charoen Pokphand Indonesia as a improvement staff, where I focused on Internet of Things (IoT) and digitalization projects aimed at enhancing system efficiency and automation. In this role, I was also responsible for software development using Codelgniter 3, MySQL, HTML, PHP, Java, C++, and Git. This hands-on experience deepened my technical skills and strengthened my adaptability to various development frameworks and tools, as well as my understanding of software design for process automation.

My two years as Head of Department in the Student Executive Board further honed my strategic planning and leadership skills. I am eager to bring my technical and leadership experience to PT. Freeport Indonesia and look forward to discussing how my background aligns with your goals. Thank you for considering my application.

Best regards,

Farhan Izzuddin



FARHAN IZZUDDIN PRASETYO

Surabaya, East Java | 6281703706677 | 03 Oktober 1999 | farhanizzuddin.12@gmail.com |linkedin.com/in/farhanizzuddinp/

2023 graduate of Electrical Automation Engineering from Sepuluh Nopember Institute of Technology with interest and expertise in the fields of control devices, sensors, website programming, servers and the Internet of Things. Experienced in HTML, PHP, Javascript, C++ programming, website development with Codelgniter 3, and JavaScript servers for real-time communication via websocket. 1 year as Digitalization Projects and Quality Control at PT. Charoen Pokphand Indonesia Sidoarjo.

EXPERIENCE

PT. Charoen Pokphand Indonesia – Sidoarjo, East Java

Oct 2023 - Now

Digitalization Projects and Quality Control

- Developed a "Check Weigher" project on a website using Codelgniter 3, integrated in real-time via WebSocket and JavaScript server between users and ESP8266 with a load cell sensor.
- Built an Internet of Things (IoT) concept for an Overall Equipment Effectiveness (OEE) monitoring system for production machines using a proximity sensor.
- Developed an "Automatic Early Warning System" for the cooking process by processing data from the PT100 temperature sensor.

PT. Heinz ABC Indonesia - Pasuruan, East Java

May 2022 - Sep 2022

Electrical Engineer Internship

- Designed a prototype for an "Automatic Soy Sauce Ingredient Blending System" using a Panasonic FP0-C14RS PLC.
- Implemented an auto-off guarding system on the production line using an Omron CP1L PLC with an Omron D40A door switch sensor.
- Developed a "Bottle Counter System" using a Siemens S7-1200 PLC for a Posimat machine.

PROJECT

Viscosity and Salt Content Control System in the Sweet Soy Sauce Adjustment Process Using the Fuzzy Logic Method at PT. Heinz ABC Indonesia – Pasuruan – Final Project

November 2022 - July 2023

- Developed a viscosity sensor with signal conditioning using an op-amp circuit to measure thickness.
- Programmed in C++ for Arduino with Fuzzy Logic capable of determining adjustment values based on existing cases.
- Designed an automatic control system for motor and pump operations for water addition.

3 Phase Electrical Load Monitoring and Forecasting System - Project Based Learning

September 2021 - December 2021

- Designed a SCADA system using Elipse Power Studio software for prototyping.
- Established serial communication from Arduino to NodeMCU 8266 for data processing and transmission over a network.
- Performed electrical load forecasting using the Backpropagation Neural Network method for cost prediction.

Automatic Can Press Machine with Pneumatic System Based on PLC – Project Based Learning March 2021 – June 2021

- · Designed and built a pneumatic system using fluidSIM software.
- Programmed a Siemens PLC connected to sensors and actuators using TIA Portal.

EDUCATION

Bachelor Of Applied Engineering

Agust 2019 - Agust 2023

Sepuluh Nopember Institute of Technology (ITS) Majoring in Automation Engineering Technology GPA: 3.46 of 4.00

ORGANISATION

Executive Board for Vocational Faculty Students, ITS

Mar 2021 - Jan 2023

Head of Department of the Ministry of Communication and Information

- Conceptualized and supported organizational programs and activities
- Coordinated 5 members of the department.

Earth Hour Surabaya

Jan 2021 - Jan 2023

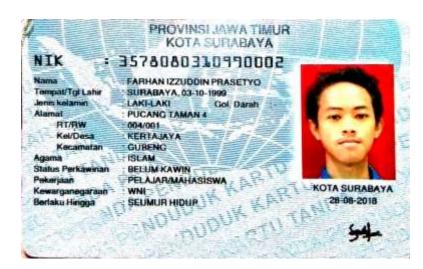
Assistant Coordinator of the Multimedia Division.

- · Developed programs and activities as a conceptor.
- Coordinated multimedia division volunteers

CERTIFICATE

 Embedded System Internet of Things – Kemenperin PIDI 4.0 	Jun 2024
 Automation SCADA Bootcamp - PT. ZAADA BANA ENGINEERING 	Agust 2022
 Programming PLC Siemens TIA Portal - PT. ZAADA BANA ENGINEERING 	Jan 2022
SQL Programming Progate	Des 2021







No 363042023000337

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Terakreditasi Unggul oleh BAN-PT, SK No. 46/SK/BAN-PT/Ak-KP/PT/1/2023

Farhan Izzuddin Prasetyo

Nomor Pokok Mahasiswa: 10311910000023 Nomor Induk Kependudukan : 3578080310990002 Lahir di Surabaya, tanggal 3 Oktober 1999

pada tanggal 9 Agustus 2023 telah menyelesaikan Pendidikan Sarjana Terapan (D4)

Program Studi Teknologi Rekayasa Otomasi

(Terakreditasi Baik oleh BAN-PT, SK No. 9916/SK/BAN-PT/Akred/ST/VIII/2021) berhak menyandang gelar

SARJANA TERAPAN TEKNIK (S.Tr.T.)

Diterbitkan di Surabaya pada tanggal 18 Agustus 2023

DEKAN

Fakultas Vek

Prof. Dr. Ir. Mochamad Ashari, M.Eng. NIP 19651012 199003 1 003

REKTOR

Prof. Ir. Muhammad Sigit Darmawan, M.Eng.Sc., Ph.D.

ITS 0033733

INSTITUT TEKNOLOGI SEPULUH NOPEMBER TRANSKRIP / ACADEMIC TRANSCRIPT



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PEMERINTAH KOTA SURABAYA DINAS KESEHATAN UPTD PUSKESMAS PUCANG SEWU

JLPUCANG ANOM TIMUR No. 72 Telp (031) 5018527 SURABAYA

e- mail : pkmpucangsewu@gmail.com

No dok: 07,04/SP2TP -Umum/09

No: 812 / 612, /436.6.3.32/20 24 .

Yang bertanda tangan dibawah ini, Dokter Pemerintah Kota Surahaya menerangkan bahwa :

FARHAN PRODUNT Jenis Kelamin : Pris / Wanies

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SURAT KETERANGAN CATATAN KEPOLISIAN POLICE RECORD Nomor: SKCKYANIMASI000962/IV/YAN 2.3/2022/INTELKAM

: FARHAN IZZUDDIN PRASETYO

Jenis Kelamin Sex

: LAKI-LAKI

: INDONESIA : ISLAM

: SURABAYA, 03 OKTOBER 1999

Tempat tinggal sekarang

PUCANG TAMAN 4 RT 004, RW 001, KEL. KERTAJAYA, KEC. GUBENG, KOTA SURABAYA

Nomor: 13-1020150

Nomor Kartu Tanda Penduduk

: 3578080310990002

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Paspport/ KITAS/ KITAP number

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30 OKTOBER 1999
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26 APRIL 2022

Keterangan ini diberikan berhubungan dengan permohonan This certificate is issued at the request to the applicant

: PERSYARATAN BEASISWA

: 26 APRIL 2022

: 26 OKTOBER 2022

Dikeluarkan di : Surabaya Pada tanggal : 26 APRIL 2022

KEPALA KEPOLISIAN SEKTOR GUBENG









SERTIFIKAT

No: B/815/BSKJI.4/IND/IX/2024

Serifikat ini diberikan kepada:

Farhan Izzuddin Prasetyo

Atas Partisipasinya Dalam Kegiatan.

WORKSHOP FACTORY TRANSFORMASI INDUSTRI 4.0 PT. YAMAHA ELECTRONICS MANUFACTURING INDONESIA

Pasuruan, 5 - 6 September 2024

sebagai

Peserta

Pusat Optimalisasi Pemanfaatan Teknologi Industri dan Kebijakan Jasa Industri Badan Standardisasi dan Kebijakan Jasa Industri



Bambang Riznanto, ST, MT NIP. 197609222008031001











