

Mizan Al Aqaid

Maintenance & Automation Engineer



Educational Background

2017 - 2021

Bachelor of Engineering, Electrical Automation
Institut Teknologi Sepuluh Nopember (ITS)

Cum Laude Predicate with GPA 3.58 of 4.00

The Final Project is "Design and Implementation of Fuzzy-Flyback Converter on 10kV HVDC Control System to Generate Dielectric-Barrier Discharge (DBD) in Ozone Generator".

Work Experiences

Address & Contact:

Jakarta, Indonesia

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[082132934912](tel:082132934912)

Language:

Indonesian & English

Research & Interest:

Automation Technology

Maintenance Management

Vibration Analysis (PdM)

Continuous Improvement

May 2025 – Present (East Jakarta)	PT Pfizer Indonesia - PGS Jakarta <i>Maintenance & Automation Supervisor</i> - Lead Maintenance and Automation Team to Ensure Full Compliance with EHS, GMP & Pfizer Global Standard - Manage Preventive, Corrective and Predictive Maintenance Programs for Production Equipment Include Compounding, Tableting, Encapsulation, Filling, Packaging & Automation - Oversee Enterprise Asset Management System (EAMS), including work order governance, maintenance planning, and inventory optimization - Delivered +313% increase MTBF and 81% reduction MTTR on Krieger Critical Equipment through Robust RCA and CAPA - Optimizing PM Programs & Asset Reliability by Implementing FMEA-based maintenance strategies - Act as Electrical Safety SME, driving electrical risk reduction and comply with Electrical International & National Standard.
Jan 2023 - May 2025 (Bekasi Regency)	PT Diamond Cold Storage - Plant MM2100 <i>Maintenance & Automation Supervisor</i> - Manage Teams to Perform Maintenance Program on Warehouse Automation Plant Including Sorting Machine, Palletizing, Wrapping Robotic, and ASRS Systems - Spare parts, Inventory & Cost Management using SAP PM - Develop and Transforming Paper-based Maintenance System to Mobile-based, Successful Implemented on Periodic & Predictive Inspection - Conduct Backup and Restore for Automation Devices such as PLC, HMI, VFD, and Pneumatic Controls. Including performed to Migration if these parts are obsoleted.
Jan 2022 - Jan 2023 (East Kalimantan)	PT Putra Perkasa Abadi - Jobsite ABP Energy <i>Maintenance Group Leader</i> - Supervise team for Heavy Equipment Maintenance (HD-785 Komatsu, OHT-777 Caterpillar) including Periodic Service, Breakdown Maintenance and Backlog Management. - Ensure Maintenance Activities Remain in Safe Condition accordance with Mining Operation Safety (KO). - Ensure the Availability and Cost Control of Spare parts.

Jul 2020 - Sep 2021 (East Java)	Mechatronics Industrial Automation Service Center <i>Automation Project Engineer (Project-based)</i> - Manage 2 teams to Completed the Electrical Automation Projects. - Planning, Budgeting, and Executing Project End-to-End. - Conducting briefing, Monitoring, Evaluate and Delegating Tasks to Project Team based on Target and Progress.
Aug 2019 - Jan 2020 (East Java)	PT Indolakto - Plant Pandaan <i>Automation Project Engineer (Project-based)</i> - Implement Industry 4.0 Transformation. - Built new application based on Microcontroller for Transforming Breakdown Reporting from Paper Based to Mobile Based Completed with Technician Caller using Telegram. - Built New Apps for Transforming Daily Utility Checklist from Paper-based to Mobile-based (Android Apps)

Training & Certifications

May 2026	Certified in Ahli K3 Listrik - KEMNAKER RI
March 2024	Basic PLC Programming - PT Hemel Electric
May 2023	Planned Maintenance Pillar (TPM) - PQM Consultants
Mar 2022	PD. Pengawas Operasional - PT Putra Perkasa Abadi
Jul 2020	Commissioning for PLC - PT ITS Tekno Sains
Oct 2019	Certified in Electrical & Automation Installation - BNSP
Feb 2018	Certified in Electronic Operator Connecting - BNSP

Achievement & Project Experiences

2026	Enhancing Krieger Main Machine Reliability with +313% MTBF improvement and 81% MTTR reduction through robust RCA and sustainable CAPA implementation.
2025	Develop Maintenance Strategy for Direct Impact Machine with Failure Mode Effect Analysis (FMEA)
2024	Saving Cost of IDR 56 Mio , by Relearning Replacement Methods of UPS System on AGC & FCC - ASRS Plant PT Diamond Cold Storage
2024	Saving Cost of IDR 10 Mio , by Backup & Restore HMI Siemens TP Comfort 1200 Independently - ESL Plant PT Diamond Cold Storage.
2023 - 2024	Transforming Daily & CBM Check sheet from Paper-based to Mobile-based for Reduce Paper Cost and Improve Reporting Technology - ASRS Plant PT Diamond Cold Storage
2021	Develop 10kV HVDC Control System to Control Ozone Concentration on Sterilizer Machine - at PT Parametrik Solusi
2021	<i>Flygen Alpha</i> , the 1st Flying Power Plant in Indonesia for Maximizing Wind Density - PKM KC
2021	Transforming Conventional to PI Cross-coupled Control for Synchronization Speed and Position (with LabVIEW & PLC Siemens S7-1200) of Dual Conveyor Plant - at PT Energi Sterila Higiena.
2021	Design and Modelling Operator Training Simulator (OTS) of Boiler Feedwater System with LabVIEW, Case in PLTU Paiton Unit 7.
2020	Transforming Daily Utility Checklist from Paper-based to Mobile-

	based (Android App) Completed with QR Code Scanner - Problem Solving Group (PSG) at PT Indolakto Pandaan
2019	Transforming Breakdown Machine Reporting from Paper-based to Mobile-based Completed with Technician Caller using Telegram - Problem Solving Group (PSG) at PT Indolakto Pandaan

Publication

Al Aqaid, Mizan (2021) *Design and Implementation of Fuzzy-Flyback Converter on 10kV HVDC Control System to Generate Dielectric-Barrier Discharge (DBD) in Ozone Generator*. Undergraduate thesis, Institut Teknologi Sepuluh Nopember.

<http://repository.its.ac.id/id/eprint/89453>

Key Skills

Electrical & Industrial Automation
1. PLC [Omron, Siemens, Mitsubishi] and HMI [Weintek, Omron, Siemens] 2. DCS [Hollysys/HoLLiAS MACS] and SCADA [Ellipse Power, MOS Daifuku] 3. Warehouse Automation System Software [WareNavi Daifuku] 4. Embedded System [Microcontroller] 5. Electrical Power [ETAP Basic, Power Electronics and Control System Design] 6. Electrical System [Circuit Design and Installation, Measurement, Troubleshooting]
Software Development
1. Desktop, Microcontroller Programming [C] 2. Website Programming [HTML, CSS, PHP] 3. Database [MySQL] 4. Mobile [Android APP My Inventor]
Industrial Knowledge
1. Maintenance, Spare part & Cost Management using SAP/CMMS 2. Industrial Automation 3. Manufacturing, Packaging & Warehouse Machine 4. EHS & Good Manufacturing Practices Compliance

Industrial References

[1]. Saeful Miftahudin
Project Electrical & Utility Manager
PT Diamond Cold Storage – Cibitung

[2]. Tegar Esa Rindang Sahputra
Engineering Manager
OATSIDE – Bandung

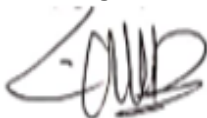
[3]. Eko Sugiarto
Operational Excellence Advisor
Former Director of PT Nestle Indonesia

[3]. Yoki Isra
Production Lines Reliability Manager
PT Diamond Cold Storage – Cibitung

Signature

"These fully truth of the details are guaranteed. With strong sense of responsibility, hands on engineering and basic management skills. Strong loyalty and self-motivation".

Best Regards,



Mizan Al Aqaid