

TIARA NURSYAMSI

Department Automation Engineering Bandung Polytechnic of Manufacturing, *Quality Assurance*
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ABOUT ME

Bandung, 20th September 2000

Automation Engineering graduate with professional experience in Quality Assurance within the automotive manufacturing industry. Experienced in ISO 9001 compliance, quality documentation, Measurement System Analysis (MSA), Process Capability (Cp/Cpk), and continuous improvement initiatives. Combining an engineering background with strong analytical skills to ensure product quality, process reliability, and operational excellence.

EDUCATION

Bandung Manufacturing Polytechnic Automation Engineering Technology Program (Diploma 4), Department Automation Engineering Final Assignment: Final Assignment Proposal Sorting System Based on Plagiarism Detection (CGPA: 3.30/4.00)	2019 – 2023
SMK Negeri 1 Cimahi Department Automation Engineering (4th Program)	2015 – 2019

ORGANIZATION EXPERIENCE

Kontes Robot Pemadam Api Indonesia (KRPAI) & Kontes Robot SAR Indonesia (KRSRI) (Nontechnical Division) - Responsible for secretarial duties in the form of proposals and LPJ KRPAI & KRSRI competitions - Responsible for managing KRPAI & KRSRI competition funds including distribution, use and accountability	Sep 2021 - Nov 2022
Himpunan Mahasiswa Teknik Otomasi Manufaktur & Mekatronika (HIMAMO) (Communications and Information Division) - Contribute in creating poster designs commemorating national and international days - Contribute to the management of HIMAMO social media including Instagram, Line, Website and YouTube - Contribute to documenting all major HIMAMO events	Feb 2020 – Feb 2022

EXPERIENCE

PT Berdikari Metal Engineering (Quality Assurance) - Supported internal and external ISO audits by preparing Quality Management System documentation, ensuring compliance with quality management requirements, and following up on audit findings, while managing quality documentation, customer claim administration, internal corrective and preventive actions, and monitoring internal NG ratio reports to support quality performance evaluation and continuous improvement initiatives. - Managed Inspection Standard Data (ISD) activities, including master part, N1, and N5 control, and conducted root cause analysis of non-conformities (NG) and control points identified during N5 sampling to support corrective actions. - Managed Special Characteristic and Visual Measurement System Analysis (MSA) activities by performing process capability (Cp/Cpk) analysis while monitoring critical control points to ensure inspection reliability, process capability, and compliance with critical quality characteristics.	April 2024 – Now
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INTERNSHIP EXPERIENCE

Bandung Manufacturing Polytechnic (Inventory – Management of Tools and Materials) - Responsible for managing tools and materials in the Data Communications and Informatics Laboratory - Record the completeness of all equipment and material data in the Data Communications and Informatics Laboratory - Create a laboratory inventory website of Data Communications and Informatics Laboratory uses PHP, HTML, and MySQL (Electrical Maintenance and Repair) - Responsible for all maintenance and repair of equipment in the Microcontroller Laboratory - Maintenance and repair of electrical wiring, electrical components and voltage sources on microcontroller learning media (Microcontroller Trainer) - Design and print PCB, install electrical components and sources, and carry out tests on the microcontroller trainer (Supervisory) - Responsible for explaining material and direction regarding the implementation of sensor and actuator practicum as well as data acquisition practicum to students - Evaluate the results of practicums carried out by students	Mar 2022 – Sept 2022
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**PT. Tigaresi Bangun Nusaperdana
(IoT Qurban Project)**

May - July 2022

- Responsible for creating the front-end design for the Qurban IoT application using Figma and creating weekly reports, activity reports and accountability reports
- Responsible as admin for operating the IoT Qurban website using RaspberryPi, NodeJS, and ReactJS
- Conducted IoT Qurban field trials at Cikadut Farms
- Involving IoT Qurban in collaboration with Rumah Amal Salman in qurban activities at the Salman Mosque ITB 2022

**Schneider Electric
(Production – Grafir and Marker Line)**

Dec 2018 – Mar 2019

- Responsible for the pre-wiring process, making engravings and markers, and sorting LV panel image data
- Participate in competency development through training in making electrical circuits and creating programs on Schneider smart relays.

**PT. Indo Bharat Rayon
(Instrumentation Department)**

Jul – Nov 2019

- Responsible for helping repair and replace instrumentation equipment, as well as calibrating instrumentation equipment
- Participate in competency development through training in making electrical circuits

CERTIFICATION

**Badan Nasional Sertifikasi Profesi (BNSP)
Electrical Maintenance Junior Engineer**

3 Nov 2022

- Electrical Installation and Maintenance

**Badan Nasional Sertifikasi Profesi (BNSP)
Industrial Electrical/Electric Maintenance**

22 July 2021

- Maintenance and Diagnostics

**PT. Dirgantara Indonesia Aerospace (IAe)
Certificate of Competency**

13 May 2019

- Industrial Automation Engineering Skills Competency

PROJECT EXPERIENCE

**Bandung Manufacturing Polytechnic
Enterprise Automation**

Jun 2023

- Develop an automation system for managing finances, inventory, production, HR, customer service, customer and supplier databases, assets and business processes of a company using the Next ERP platform
- Using Grafana software to implement the Overall Equipment Effectiveness (OEE) monitoring display on the extruder machine
- Create a company website as an online marketing platform for PVC pipes

**Bandung Manufacturing Polytechnic
Final Assignment – Final Assignment Proposal Sorting System Based on Plagiarism Detection**

Jan – Jul 2023

- Implementation of a plagiarism detection system using the Ratcliff/Obershelp algorithm method using the JavaScript programming language
- System integration with a MySQL database using API to store, manage and retrieve final project data
- The system is capable of generating QR Codes and documents in .pdf format as identification for document tracking in the sorting process

**Bandung Manufacturing Polytechnic
Production Planning Control – Teaching Aid LabView**

2021

- Design and create concepts and plan the components needed to make LabView teaching aids
- Assemble and carry out quality control on LabView teaching aids according to their function

COMPETENCIES AND SKILLS

SOFT-SKILLS

- Leadership
- Communicative
- Adaptive
- Conflict resolution/problem solving

Language

- Bahasa Indonesia (mother tongue)
- English (intermediate level)

HARD-SKILLS

- Programable Logic Control (PLC)
- Basic Electrical, Pneumatic & Hydraulic
- Basic HTML, Javascript, Database System, & API
- QC 7TOOLS, Quality Documentation, Quality Performance Analysis
- Inspection Standard Data (ISD)
- Internal & External Audit, ISO 9001
- Statistical Process Control (SPC)