

IHYA MANARUL HUDA
AUTOMATION ENGINEER

Bekasi, Indonesian | +62 857 0139 7837 | ihyamanarulhuda@gmail.com |

Linkedin : www.linkedin.com/in/ihya-manarul-huda

SUMMARY

Experienced Automation Engineer in-depth knowledge of design and programming various control system brands for a broad range of industrial processes. Solution-based collaborator, well-versed in testing and commissioning automated machinery, developing and implementing automated testing methodologies, and supervising testing activities. Able to work individually or in groups, able to communicate and manage time well. Strong engineering professional with a Diploma III focused in Electronic Engineering from Universitas Negeri Jakarta.

WORK EXPERIENCE

PT. SKALA SUKSES MANDIRI – Jakarta, Indonesia

Automation and Commissioning Engineer (September 2025 – Now)

- **RESPONSIBILITY**
 1. Make offers to the sales team regarding automation systems
 2. Make bill of material and bill of quantity
 3. Searching for goods to supplier for project needs
 4. Perform training operational with costumer
 5. Making automation design based on automation configuration for Project
 6. Create functional description and sequence with process standard
 7. Create technical document (FAT Report, SAT Report, CTR, Operating Manual)
 8. Setting and validation Flow Meter, Level Transmitter, Temperature transmitter, Pressure Transmitter, Weight Transmitter, VSD, Control Valve etc
 9. Perform Factory accepted test (FAT), Site accepted test (SAT), Commissioning test, Trial Product, Engineering service after sales
 10. Leads electrical and mechanical teams on site
- **COMPLETED PROJECTS**
 1. Improvement Mixing system TBC 7.5 Tons – PT. Sari Enesis Indah Plant Bogor
 2. Lab Machine 50L Semisolid Product – PT Paragon Technology and Innovation Plant J4
 3. Raw Material distribution system 13m³ and 16m³ – PT Paragon Technology and Innovation Plant J2
 4. Mixing System 4.5 Tons Liquid Soap – PT Paragon Technology and Innovation Plant J2
 5. Improvement Mixing system Tetra Pak 1 Tons – PT Paragon Technology and Innovation Plant J2

PT. OSA PUTRA ENGINEERING - Bekasi, Indonesia

Automation Engineer (March 2022 – August 2025)

- **RESPONSIBILITY**
 1. Make offers to the sales team regarding automation systems
 2. Making automation design based on automation configuration for Project
 3. Coordinate with the team process related to functional description
 4. Create document operating manual
 5. Conducting commissioning test and Machine Training to client
 6. Make bill of material and bill of quantity
 7. Searching for goods to supplier for project needs
 8. Setting and validation Sensor, Inverter, Control Valve etc
 9. Perform installation qualification (IQ), operation qualification (OQ), performance qualification (PQ) and Engineering Service After Sales
 10. Leads electrical teams on site
- **COMPLETED PROJECTS**

1. Dosing System and Batch Recipe - PT. Herlina Indah (Enesis Grup) Plant Jakarta
2. Mixing System - PT. Pharma Health Care Plant Bandung
3. Chili Preparation Tipper Buffer System - PT. Kraft Heniz ABC Plant Karawang
4. Blending and Aseptic System - PT. Kraft Heniz ABC Plant Karawang
5. CIP Kitchen and Storage System - PT. Djojonegoro C-1000 Plant Sukabumi
6. Mixing System Herbal - PT. Erela Plant Semarang
7. CIP and SIP System for Filling Machine - PT. Bio Farma Plant Bandung
8. IMO Unloading System - PT. Kraft Heniz ABC Plant Karawang
9. Migration HMI Mixing System - PT. Taisho Pharmaceutical Indonesia
10. Stabilizer and Hot Water System - PT. Kraft Heniz ABC Plant Pasuruan
11. Replacement Program Mixing Sterile System - PT. Pratapa Nirmala Plant Tangerang
12. Product Transfer & Pigging System - PT. Kraft Heniz ABC Plant Karawang

EDUCATION

UNIVERSITAS NEGERI JAKARTA (2019 - 2022)

D III Electronic Engineering

- Final Project Title “Design of Mixing System for Manufacturing Beverage Products Based on PLC Siemens S7-1200 and Siemens HMI with the Internet of Things Implementation”.
- Become a Speaker for the Electronics Study Center in 2021.
- Participate in the Indonesian Robot Contest in the Indonesian Football Robot Contest category.
- Participated as an advisor in the IoT Dev_Com 2021 online party committee.

ORGANIZATIONAL EXPERIENCE

BEM PRODI TEKNIK ELEKTRONIKA UNIVERSITAS NEGERI JAKARTA

Staff Department Mikat and Kominfo (January 2020 – December 2021)

- Designing and managing social media for the Electronic Engineering Study Program Student
- Become an external delegate at the Forum Komunikasi Mahasiswa Elektro Wilayah VI (FKHMEI Wilayah VI)

ROBOTIC CLUB UNIVERSITAS NEGERI JAKARTA

Head Department of Research & Technology (January 2021 – January 2022)

- Make a competition proposal and fund proposals.
- Make a research schedule in preparation for National competitions and competitions organized by the Ministry of Education, Culture, Research, and Technology.
- Create a research report and submit it to the lecture advisor.

CERTIFICATION

1. WINCC Unified Siemens (Siemens Indonesia) – December 2023
2. PID System and Communication PLC Siemens (Anak Teknik Indo) – March 2022
3. Programmable Logic Controller Industrial Electronics (LSK Automation) - December 2021

TECHNICAL AND PERSONAL SKILLS

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|---|-----------------------|
| 1. PLC (Siemens, Mitsubishi, Omron) | 1. Honest |
| 2. HMI (Siemens, Wainetek, Schneider) | 2. Good communication |
| 3. Scada (InTouch Aveva, Wincc Siemens) | 3. Responsibility |
| 4. Service Engineer | 4. Discipline |
| 5. Industrial Internet of Things | 5. Confident |
| 6. Microsoft Office | |
| 7. Commissioning | |
| 8. Budgeting for Project | |

