



# ARIO PUTRO SIAM PURWONO

## Industrial Engineering

📍 Karawang, Indonesia

☎ 0881-0103-19825

🌐 Ario Putro Siam Purwono

✉ ariosps276@gmail.com

## About Me

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I am a 5th-semester student at Bina Nusantara University with a GPA of 3.4 and practical experience in **Quality Engineering** and **Production Control**. Despite still pursuing my studies, I have been directly involved in industrial activities, particularly in **production supervision**, **quality control**, and the **implementation of continuous improvement** within manufacturing environments.

In my current role, I am responsible for monitoring key production metrics such as **capacity**, **yield**, and **Overall Equipment Effectiveness (OEE/Operation Rate)** to ensure efficiency and maintain high productivity levels. I am also familiar with the **8D Problem Solving** methodology to systematically resolve quality issues and drive operational improvements.

Additionally, I am experienced in using industrial systems such as **GDW**, **Davinci**, **MES**, and **FMCS** to support daily operations in production and quality management.

With a strong learning spirit, collaborative mindset, and results-oriented approach, I am ready to contribute to a dynamic work environment. My long-term goal is to build a career as an **Engineer**, **Supervisor**, or **Manager**, backed by solid technical knowledge and hands-on industry experience.

## Experience

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### ❑ ROS & Production Control ( October 2023 – Now )

*PT.HLI Green Power – Karawang Indonesia (KNIIC)*

- Monitor and control mass production capacity, defect rates, and overall production performance.
- Oversee production line processes to ensure alignment with capacity and quality targets.
- Manage material supply flow through logistics automation systems to prevent production delays.
- Monitor key performance indicators (KPIs) such as OEE (Overall Equipment Effectiveness), yield, and downtime to identify areas for improvement.
- Ensure the proper operation of production systems such as Davinci, EDC, SPC+, RMS, GDW, Vision, and MES.
- Prepare and analyze production result reports, identifying and addressing production disruptions.
- Compile and present weekly and monthly reports on production capacity, yield, downtime, and inventory status.

### Achievements :

1. Best Employee Awards → Certified
2. Best Improvement → Improved the production process by reducing downtime during cleaning from 20 minutes (1.39%) to 10 minutes (0.69%), **and** Created a Visual Dashboard to monitor detailed Production Output, Yield, and Product Defects,

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### ❑ Quality Engineering ( June 2022 – June 2023)

*PT. Yamaha Indonesia Motor Manufacturing – Karawang Indonesia (KIIC)*

- Inspecting and testing products before, during, and after production to ensure compliance with quality standards.
- Performed dimension checks using the CMM machine.
- Developing and implementing inspection procedures in line with operational standards and applicable regulations.
- Resolving quality issues by analyzing data and driving continuous improvement (Kaizen) initiatives in the production process.
- Coordinating with the production team to ensure that every product meets specifications and is safe for customer use.
- Preparing regular inspection and quality reports, and providing recommendations for product and process improvements.
- Ensuring compliance with quality standards through scheduled internal and external audits.
- Actively participating in the development and implementation of quality management systems across production lines.

### Achievements :

1. Completed the development of the CMM machine program for the B6H model (New Nmax).
2. Implemented several Kaizen initiatives related to 5S and Hiyari to improve workplace and driving safety.
3. Created mapping for datum points, allowances, and hole points.

## ❑ **Final Inspection** ( Nov 2020 – Nov 2021)

### *PT.Honda Precision Parts Manufacturing – Karawang Indonesia (Indotaisei)*

- Responsible for inspecting and testing products before, during, and after the manufacturing process to ensure they meet company and legal standards.
- Strictly adhere to inspection protocols in accordance with established operational standards.
- Perform judgments and inspections accurately based on manufacturing standards.
- Conduct inspection checks efficiently, precisely, and thoroughly to ensure safe-to-use products for customers.
- Analyze and implement continuous improvement (Kaizen) initiatives to create a better working environment for all team members.
- Perform appearance checks through visual inspection, then immerse the product in Noxrust solution/anti-rust solution.

### **Achievements :**

1. Received the Best Kaizen award for successfully reducing the cost of purchasing Noxrust solution by creating a channel to collect spilled Noxrust solution for reuse.

## ❑ **Computer Numerical Control & Welding** ( Jan 2019 – March 2019)

### *PT.Tsubaki Indonesia Manufacturing – Karawang Indonesia (KIIC)*

- Responsible for inspecting and testing products before, during, and after the manufacturing process to ensure they meet company and legal standards.
- Strictly adhere to inspection protocols in accordance with established operational standards.
- Perform judgments and inspections accurately based on manufacturing standards.
- Conduct inspection checks efficiently, precisely, and thoroughly to ensure safe-to-use products for customers.
- Analyze and implement continuous improvement (Kaizen) initiatives to create a better working environment for all team members.
- Perform appearance checks through visual inspection, then immerse the product in Noxrust solution/anti-rust solution.

## **Educations**

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### ❑ **Bina Nusantara University (2023 – 2027)**

#### **Industrial Engineering**

### ❑ **SMKN 1 Karawang (2017 - 2020)**

#### **Mechanical Engineering**

**Relevant coursework :** *Production Engineer | Statistical Process Control | Production Systems | Quality Control, Problem-Solving Techniques (8D Methodology) Autocad 2D/3D | Production Planning & Inventory Control | Logistic & Warehouse Management.*

## **Skills**

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### ❑ **Hard Skills**

- Process Improvement & Optimization
- Lean Manufacturing & Six Sigma
- Data Analysis & Statistics (Microsoft Excel, Power Automate, Power Business Intelligence)
- Root Cause Analysis (RCA)
- Statistical Process Control (SPC)
- NCR (Non-Conformance Report)

### ❑ **Soft Skills**

- Problem-Solving
- Communication Skills
- Leadership
- Time Management
- Teamwork & Collaboration
- Adaptability
- Critical Thinking