GALIH PRIMANANDA

MACHINING ENGINEER (KAIZEN)
DIGITAL TRANSFORMATION
DATA ANALYST & SCIENTIST

About Me

Multidiscipline engineer with 8+ years of experience in the manufacturing industry, specializing in process improvement, automation, and quality control. Proficient in VBA, Python, AutoCAD, and machine learning to support digital transformation and efficiency in machining operations. Certified in Data Science, Business Intelligence (BNSP), and IBM AI. Strong focus on Kaizen, technical documentation, and cross-functional collaboration.

Skills Summary

SOFTSKILL
- Problem-Solving
- Critical Thinking
- Leadership
- Project Management
- Communication
- Adaptability
- Attention to Detail
- Collaboration
- Time Management
- Creativity & Innovation

HARDSKILLS
- Autocad 2D & 3D
- 2D Drawing (JIS & ISO)
- Geometric/Dimensional Tolerance (GD&T)
- G-Code
- 3D illustration (Fusion / Blender)
- Coding (VBA, HTML, PYTHON, SQL)
- PLC (Omron, Zelio)
- Microcontroller , ESP8266, WEMOS
- Electro Pneumatic
- Machine Learning (RAG)

Certification

- Data Science (BNSP Certified)
- Business Intelligence (BNSP Certified)
- IBM Gen AI for Software Development
- IBM Code Generate & Optimization
- MOS Excel Expert (. . . on progress)

Experience

Engineer - PT. Pakarti Riken Indonesia
May 2017 - Present

1. Engineering Machining: Document Control, Kaizen, Trainer
January 2024 - Present
- Manage and update technical documents such as FMEA, QCPC, Process Parameters, and Work Instructions.
- Lead process improvement initiatives (Kaizen/QCC) to enhance efficiency and quality.
- Serve as a trainer in Excel (VBA, Data Analysis) and AutoCAD (2D/3D Technical Drawing).

2. Engineering Machining: Document Controller
January 2021 - December 2023 (3 years)
- Create Technical Data Quotations to assist in production planning.
- Conduct trial machining to validate process parameters.
- Ensure compliance with FMEA, QCPC, Process Parameters, and Work Instructions.

3. Engineering Machining: Technical Data Quotation
October 2020 - December 2020 (3 months)
- Prepare cost calculations and estimate cycle times, material usage, and workforce requirements.
- Collaborate with sales and engineering teams to establish optimal pricing.

4. Engineering Machining: Parameter Process
January 2020 - September 2020 (9 months)
- Optimize machining parameters, including spindle speed, feed rate, and depth of cut.
- Conduct machining data analysis (MSA, Cp/Cpk, SPC).

5. Work Instruction & Machining Investigation
March 2018 - December 2019 (1 year 10 months)
- Develop and update Work Instructions (IK).
- Investigate and resolve machining process issues.

6. CAMSHAFT: Jig & Fixture
January 2018 - March 2018 (3 months)
- Research jig and fixture wear and establish control standards.
- Optimize fixture design for accuracy and durability.

7. Production Operator
December 2017 (1 month)
- Operate production machines and ensure product quality.

8. Trial Machining Operator
May 2017 - November 2017 (7 months)
- Operate CNC machines for product trials.

Report trial results to facilitate process improvement.

Expertise

- Machining Manufacturing 70%
- Machine Learning 70%
- Project Management 80%
- Excel Automation 95%
- Web apps. Developer 70%

Recent Course

- Machine Learning & AI @DQLab
- Data Analyst @DQlab

Currently Learning

- Artificial Intelligence (AI) & Deep Learning
- Computer Vision
- Cybersecurity

Contact

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PORTFOLIO :
https://drive.google.com/drive/folders/11ov7TpvOZ3m7k5GLRAbE2WZFbGVK2t7i?usp=sharing

INSTAGRAM : @glh_prima
https://www.instagram.com/glh_prima/

GITHUB: PrimeFox59
https://github.com/PrimeFox59

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Surabaya & Malang, East Java, Indonesia

Audit & Document Compliance Experience

- IATF 16949 (International Automotive Task Force)
- Sistem manajemen mutu (Intern Audit) PT. Pakarti riken Indonesia
- PT Mitsubishi Motors Kramayudha Indonesia
- PT Yamaha Indonesia Motor Manufacturing.
- Etc.

Project Machining Experience

- Bracket
- Case Diff
- Disc Brake
- Engine Bracket
- Flywheel
- Knuckle
- Liner Cylinder
- Plate Transmission
- Pulley Crankshaft
- etc.

System Development Project

- Codex (Digital Signature Management System)
- PSD Analyst (Minitab Cloning)
- Flux (Project Manager)
- Kaizen (Suggestion System)
- Monitorix (Document Management System)
- Control MI (Control & Tracing Measuring Instrument)
- Prime AI Assistant (Chatbot, Based RAG)
- Timesweet (METSO Timesheet Online Form)
- etc. *click link to go

Education

STIE Mahardhika
Bachelor's Degree in Operational Management
2019 - 2023

SMKN 8 Malang
Mechatronics - Robotics - Microcontroller
2012 - 2015

Achievements & Improvement Completion

2017	• QCC Loader Sleeve Automation
2018	• QCC Speed Up Dandori Flywheel, Chuck Common Use
2019	• IOT, Monitoring OEE in Machine Production Line
2021	• Employee Of The Month
2024	• Kaizen QCC 1st Winner “Document All in One” • Converter “GCode to DWG” • Application of Linear Regression Analysis for Predicting Machining Cycle Time (MCT) in Machining Process • Best Kaizen Idea & Most Scorer 2024
2025	• Kaizen Idea Management Automation Project with VBA Excel • Automated Self Audit New Item and Report Whatsapp • Machine Learning, Implement. RAG in manufacturing process