

# Galih Primananda

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## SUMMARY

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Manufacturing Engineer with 8+ years of experience in automotive machining and digital transformation, delivering 300% increase in document output, 90% faster processing time, and IDR 20M+/month cost savings through automation. Skilled in Python, SQL, and web-based development, with experience building an All in One Manufacturing Platform an ERP-style ecosystem of 10+ applications for project management, document control, inventory tracking, and workflow automation. Strong in Kaizen, FMEA, and data-driven improvement, certified in Data Science & Business Intelligence.

## WORKING EXPERIENCE

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**PT Pakarti Riken Indonesia**, Sidoarjo

May 2017 – Present

*Manufacturing Engineer – Digital Transformation & Document Control*

- Led digital transformation by converting manual processes into data-driven systems, improving process efficiency and reducing manual workload
- Developed web-based applications (Python, Flask, Laravel, SQLite) for document control and project tracking, increasing data accessibility and traceability
- Standardized technical documentation (FMEA, QCPC, Parameter Process, Work Instructions), improving audit readiness and compliance with IATF standards
- Applied data analysis and regression models to optimize machining processes, improving cycle time accuracy and decision-making
- Initiated and led Kaizen/QCC projects that improved productivity, quality, and process stability
- Delivered training programs (Excel VBA, Data Analysis, AutoCAD) to enhance team capability and technical skills
- Conducted cost estimation (cycle time, material, manpower) to support pricing and production planning
- Performed root cause analysis and troubleshooting for machining issues, reducing defects and process variation

### Career Progression:

- Digital Transformation & Document Control (2025 – Present)
- Document Control, Kaizen & Trainer (2024 – 2025)
- Document Controller (2021 – 2023)
- Technical Data Quotation (2020)
- Process Parameter Optimization (2020)
- Work Instruction & Machining Investigation (2018 – 2019)
- Jig & Fixture Engineering (2018)
- Production & Trial Operator (2017)

## PROJECT HIGHLIGHT

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### Manufacturing & Automation Projects

- Developed **automated loader system for turning lathe**, increasing production speed, reducing manual handling, and improving process consistency; reduced manpower from 2 operators to 1 operator, achieving cost savings of approximately **IDR 6 million/month**
- Designed **precision slider mechanism for drilling machine auto-loader**, improving throughput and maintaining stable product quality; reduced manpower from 3 operators to 1 operator and accelerated machining cycle time (MCT), achieving cost savings of approximately **IDR 12 million/month**

### System Development & Digital Transformation ★★★

- Led development of **AIO (All-in-One) Project Management System**, integrating task delegation, daily reporting, document management, digital signature, and cross-department coordination (QA, QC, Production, Development); included machine learning-based employee performance monitoring within a

single platform

- Developed **Codex**, Eliminated manual document control role (**1 → 0** personnel), removed document loss incidents, and saved **IDR 8 million/month**
- Developed **Control MI**, a system for monitoring and tracing measuring instrument validity; reduced data processing and task distribution time from **6 hours to 10 minutes**
- Standardized **Engineering Document Control System** (FMEA, QCPC, Process Parameters, Work Instructions) using advanced Excel and CAD methods (master templates, layering, smart selection); increased document output from **6 to 18 documents/month (+300%)**
- Developed Timesweet, an online timesheet system; reduced attendance data processing time from 2 working days to 10 minutes (*Freelance Project – Freeport Indonesia*)

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## AI & Data Projects

- Developed **Prime AI Assistant**, a RAG-based chatbot for manufacturing knowledge management; enabled fast and secure internal document retrieval
- Built **Kaizen Suggestion System**, improving idea submission, tracking, and evaluation; increased Kaizen participation from **~20 ideas/month to ~65 ideas/month**

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## Design & Branding

- Designed **Riken Showcase Booth**, a modern exhibition booth concept with strong branding identity and interactive visitor flow

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## EDUCATION

<b>STIE MAHARDHIKA</b> , Surabaya <i>Bachelor of Management, Operational Management</i> GPA 3.49 of 4.00	2019 – 2023
<b>SMKN 8</b> , Malang <i>Mechatronics – PLC &amp; Microcontroller</i> Score 9.3 of 10.0	2012 – 2015

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## ACHIEVEMENTS

<b>QCC Kaizen PT Pakarti Riken Indonesia</b> , Sidoarjo <i>1st Winner Kaizen QCC – “Document All in One”</i>	Jun 2024
<b>PT Pakarti Riken Indonesia</b> , Sidoarjo <i>Employee of the Month (2021)</i>	Jan 2021
<b>QCC Kaizen PT Pakarti Riken Indonesia</b> , Sidoarjo <i>1st Winner Kaizen QCC – “Speed Up Dandori Flywheel, Chuck Common Use”</i>	Jun 2018
<b>QCC Kaizen PT Pakarti Riken Indonesia</b> , Sidoarjo <i>1st Winner Kaizen QCC – “QCC Loader Sleeve Automation”</i>	Jun 2017

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## CERTIFICATIONS

<b>BNSP Data Science</b>	Nov 2025
<b>BNSP Data Analyst / Business Intelligence</b>	Nov 2025

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## LANGUAGES AND SKILLS

- Bahasa Indonesia (Native), English (Conversation).
- 2D/3D Autocad, Fusion 360, Blender, Image Recognition 3D Generate AI.
- Programming Python, VB, C#, Flask, Laravel, SQL, RAG, Microcontroller, PLC.