**DIMAS BAGUS SETIAWAN**

Process Quality Engineer

Tangerang, Indonesia • +62 896 22 24 23 25 • dbsetiawan95@gmail.com

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**PROFESSIONAL SUMMARY**

Versatile and detail-oriented Process Quality Engineer with 4+ years of hands-on experience in manufacturing, electric vehicle development, and mineral processing. Proven success in New Product Introduction (NPI), quality control, and technical issue analysis. Adept at using engineering software (CAD/CAE), leading cross-functional teams, and solving complex engineering challenges. Open to global opportunities in manufacturing, oil & gas, mining, and related industries.

**PROFESSIONAL EXPERIENCE**

\*\*PT Vivo Mobile Indonesia\*\* — \*Tangerang, Indonesia\*

\*\*Process Quality Engineer\*\* | Jul 2022 – Present

- Spearhead New Product Introduction (NPI) for locally manufactured models.

- Coordinate quality control and testing plans across cross-functional teams.

- Monitor and mitigate quality issues during trial and mass production phases.

- Establish and optimize quality objectives and process standards.

- Drive root cause analysis and implement improvements for market complaints.

- Conduct change-process reviews to ensure continuous improvement in production.

\*\*GESITS-Hyundai EV Development\*\* — \*South Jakarta, Indonesia\*

\*\*Research Staff Engineer\*\* | Dec 2021 – Jun 2022

- Supported NPI for electric vehicle development and production phases.

- Standardized technical documentation and synchronized engineering requirements.

- Analyzed and improved durability issues through technical assessments.

- Delivered periodic reports on issue tracking and resolution.

\*\*Artisanal Gold Council\*\* — \*East Bolaang Mongondow & East Kotawaringin, Indonesia\*

\*\*Mineral Processing Engineer\*\* | Aug 2020 – Nov 2021

- Introduced leach-based gold extraction methods to artisanal miners.

- Led field teams in efficient and accurate mineral processing operations.

- Conducted mineral surveys and contributed to mapping initiatives.

- Collaborated with international partners to align processing standards.

- Maintained active engagement with local governments and communities.

\*\*Rekayasa Material dan Teknologi Pertahanan ITS\*\* — \*Surabaya, Indonesia\*

\*\*Technical Support Engineer\*\* | Mar 2020 – Jul 2020

- Provided technical advisory for defense material R&D projects.

- Assessed project progress and evaluated experimental data.

- Presented project findings to academic, industry, and government stakeholders.

**EDUCATION**

\*\*Sepuluh Nopember Institute of Technology (ITS)\*\* — \*Surabaya, Indonesia\*

\*\*Bachelor of Engineering, Materials and Metallurgical Engineering\*\*

GPA: 3.46 / 4.00 | 2015 – 2020

Accomplishment :

- 3rd Position, Urban-class, Shell Eco-marathon Asia 2019

- Various research topics (Fuel Cell Engineering, Advance Materials Engineering, etc.)

**TECHNICAL SKILLS**

- Engineering Software: SolidWorks, AutoCAD, Autodesk Inventor, ANSYS, Abaqus

- Engineering Analysis: Electrical, Mechanical, Metallurgical Analysis

- Quality & Production: Quality Planning, Process Monitoring, Root Cause Analysis

- Project Management: Team Leadership, Technical Reporting, Cross-Functional Coordination

- Specialization: Mineral Processing, Manufacturing Operations, New Product Introduction

**LANGUAGES**

- Bahasa Indonesia: Native

- English: Professional Working Proficiency

**AVAILABILITY**

Open to remote or on-site opportunities worldwide. Willing to relocate for the right role.

\*References available upon request.\*