BENEDICTUS SATRIO BAGASKARA

0859131310761 | benedictusbagas98@gmail.com
Pabuaran Indah, Cibinong, Bogor

Metallurgical and Materials Engineering graduate from the University of Indonesia with a strong enthusiasm for process optimization, problem-solving, and continuous improvement. Experienced in technical analysis, project management, and leadership through internships and organizational involvement. Highly adaptable to dynamic work environments and eager to learn new skills. Possesses strong teamwork and communication skills, with the ability to collaborate effectively with diverse teams

Work Experiences

PT Toyota Auto Body - Tokai Extrusion - **Cikarang Barat, Indonesia** Jul 2023 - Aug 2023

Internship

Toyota Production System

- Conduct in-depth observation of process mechanisms and damage to static equipment in a plant environment, identify critical failure points and propose preventive maintenance strategies.
- Conduct PVC production analysis using Pareto diagram, 5-why and fishbone diagram method for continuous improvement/kaizen.
- Compare PVC G0xx and LC25xx materials regarding reject cracks in the injection molding process, providing recommendations for material selection and process optimization.
- Analyze aspects that cause cracking in joining joints for windshield products using analytical skills based on metallurgical and material engineering principles.
- Create a Material Information Flowchart using Microsoft Excel.

Education Level

Universitas Indonesia - **Depok, Indonesia** Jul 2020 - Jul 2024

Bachelor of degree in Metallurgy and Materials Engineering, 3.38/4.00

Organisational Experience

Ikatan Mahasiswa Metalurgi dan Material (IMMt) - **Depok, Indonesia** Feb 2021 - Dec 2021

Staff of Administration

- Manage and organize organizational documents, correspondence, and member databases to ensure efficient data access and accuracy.
- Coordinate organizational meetings, prepare agendas, and record minutes to support decision-making processes and follow-ups.

KMK Teknik UI - **Depok, Indonesia** Feb 2021 - Dec 2022

Senior Human Resource Manager

- Consolidated the relations between KMK Teknik members.
- Fostered the individual development of KMK Teknik members by holding and creating activities to accommodated it.
- Assisted and helped the head of Human Resources to plan, action, and check the wor program.

Metal Inner Days 2021 - **Depok, Indonesia** May 2021 - Nov 2021

Co-Head of Fundraising Committee

- Planned and managed revenue sources for both external and internal business funds, ensuring smooth financial operations for MID 2021.
- Compiled and documented revenue entries with 100% accuracy, maintaining transparency and overseeing business fund sub-departments and sponsor activities.
- Contributed to enhancing MID 2021's online presence by designing biweekly Instagram story posts to boost engagement.

Aksos KMK Teknik UI 2021 - **Depok, Indonesia** May 2021 - Jun 2021

Event Staff

- Coordinated with logistics teams, volunteers, and external partners to ensure event readiness.
- Managed technical aspects of the event, including location setup, scheduling, and task delegation.
- Hosted the social aid distribution event with professionalism and clear communication to ensure smooth execution.

Weekend KMK Teknik UI 2022 - **Depok, Indonesia** Aug 2022 - Oct 2022

Operational

- Managed facilities and equipment to support smooth event operations.
- Coordinated logistics, including transportation, venue rental, and procurement of event supplies.
- Oversaw setup and teardown of event infrastructure before and after the event.

Skills, Achievements & Other Experience

- **Soft Skills**: Presentation, written communication, communication skills, teamwork, adaptability, problem-solving, leadership, stress management, financial management, project management, time management, research and analytical, critical thinking
- **Hard Skills**: Capable to operate several applications or software such as Ms. Office, Ms. Excel, Ms. Power Point, Adobe Photoshop, 3D Modeling, SolidWorks, ImageJ (Image Processing and Analysis in Java), 3D Printing, Email Writing, Document Control.
- **Project** (2024): Investigated the enhancement of hydrophobic properties of EFB fiber as a reinforcement in polymer composites through plasma treatment with alcohol precursors (methanol, ethanol, and propanol). Evaluated the effects of plasma exposure time and precursor-water ratio on surface modification using contact angle measurement (sessile drop test) and FTIR analysis. The results demonstrated an increase in EFB fiber hydrophobicity, indicated by a reduction in surface tension difference with the non-polar matrix.
- **Hak Paten Negara** (2023): Designed and prototyped a durable 3D-printed tissue box using polypropylene, streamlining production and refining designs based on market needs.