ALDI SURYA BRIANTAMA

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Final Year Engineering Student at Universitas Gadjah Mada with a demonstrated history of working at consumer-goods company. Experienced in manufacturing area including technology, principles and entire process from raw materials to finish goods for more than a year internship at Indonesia's biggest cosmetics FMCG company, PT ParagonCorp (Wardah, Emina, MakeOver, Kahf). Bringing and recognizing digital technologies to change a business model and provide new revenue opportunities.

WORK EXPERIENCE

PT ParagonCorp (Wardah, Emina, Make Over)   Aug 2022 – March 2023
Digital Manufacturing Project Based Intern
Supply Chain Management Directorate
Lesson Case:
- Understand end-to-end supply chain management.
- Learn how to apply various stock control methods.
- Understand how Pull system works in Cosmetic Industry.
- Applied Manufacturing principle such as **Lean Manufacturing** to minimize waste production.
- Learn how to enhance production activities using Just In Time Scenario as well as pull scenario.
- Learn how ERP (Enterprise Resource Planning :oddo) managed all entire business process.
- Learn how MES (Manufacturing Execution System: Flow Report) organized raw material to finish good.

Project: Digital Manufacturing Quality Assurance Live Monitoring Webapps
- Planned and documented project scenario with User as well as User Requirements Spesification document.
- Designed software architecture and requirement especially in Internet of Things needs.
- Developed Project with Express Javascript Framework also Database PostgreSQL and applied best practice on developing software.

Project: Re-Developed Automatic Refill Station with IoT Based (Undergraduate Final Project)
- Worked and collaborated with a lot of directorates such as Product Innovation, Information Tech, and Supply Chain.
- Discovered project with some project management software such as Jira and Notion.
- Developed Project with Express Javascript Framework also configurate database management system with PostgeSQL.
- Changed Internet of Things Protocol from HTTP to websocket using socketio.

Digital Manufacturing (Kampus Merdeka)   Jan 2022 – Jul 2022
Supply Chain Management Directorate
One of the 154 participants with a total of 58,000++ applicants for internship (Kampus Merdeka).
Project Automatic Refill Station Machine:
- Developed Software in webapps based for Refilling Station with IoT technology.
- Designed and Executed backend software development process such as designed database schema with DBMS PostgreSQL and Laravel PHP Framework.
- Build scalable, secure JWT token based, and easy to maintenance REST API also connected with other important data.
- Planned and documented all of business process document such as User Requirement Specification (URS), Bill of Material (BoM), Software Requirement Specification (SRS), vendor pitching, IKA document, and SOP document.

Project Tableau Dashboard:
- Designed, Executed, and Developed a factory data dashboard to minimalize loss using Tableau Live Connect Server and served the project to Factory Engineering Team.
- Applied various technology to predict demand with forecasting as well as linear regression to met the demand and supply.
- Applied various data analytics skills to produce a good telling data story in supply chain.
- Organized project with stakeholders and managers in supply chain especially upstream area.

PT Pertamina (Persero)   Nov 2021-Des 2021
Instrument Engineer/Manufacturing Engineer Intern
- Analyzed Instrumentation and Control system equipment in Kilang VI Balongan.
- Discussing about PLC and DCS Controller at Production Process.
- Understanding how the boiler works on plant Kilang VI Balongan.

PT Perusahaan Listrik Negera (PLN Persero)   Jul 2021-Aug 2021
Student Trainee/Power Analyze Internship
Accepted to take part in a "KMMI" short course held by the association of the Ministry of Research, Technology and Higher Education (Kemenrisetdikti) in collaboration with the Institute Teknologi Sepuluh November (ITS), focusing on analyzing the electric power system under the guidance of the PLN Persero (BUMN).
- Focused on Analyzing the Electric Power System.
- Designed and Simulated Electrical Power Bus System with ETAP software.

EDUCATION

Undergraduate Student, Universitas Gadjah Mada   2019 - 2023
Majoring in Engineering Physics
- One of the 154 participants with a total of 58,000++ applicants for internship Kampus Merdeka at PT Paragon Technology Innovation.
- Accepted to take part in a "KMMI" short course held by the association of the Ministry of Research, Technology and Higher Education ass well as Kemenrisetdikti in collaboration with the Institute Teknologi Sepuluh November (ITS), focusing on analyzing the electric power system under the guidance of PT PLN Persero (BUMN).

ACTIVITIES

Kamalogis, Engineering UGM   Jan 2021-Feb 2022
Leader
Kamalogis is an organization that accommodates students to their passion for Instrumentation. Kamalogis members are trained to be able to understand the latest instrumentation technologies and related non-technical aspects.

KKN PEDULI BENCANA UGM SEMERU 2021   Des 2021-Jan 2022
Leader
KKN-PPM Peduli Bencana is a program that aims to help refugees affected by the eruption of Mount Semeru. Post-disaster recovery is carried out in various aspects such as physical, psychological, economic, social and environmental aspects.
- Coordinating with KAGAMA (Keluarga Alumni Gadjah Mada) to execute the Humanity Program affected by Mount Semeru Eruption.
- Collaborated with the Regent of Lumajang.
- Collaborated and working together with chef team Manguni86.

SKILLS & OTHERS

Skills: **Digital Manufacturing**, IoT, **Lean Manufacturing**, Production activity (Related about MPQ), Enterprise Resource Planning (ERP), **Manufacturing Execution System (MES)**, Tableau, **Software Development**, Automation, , **Data Analytics**.

Detailed Project and Experience :
https://briantama87.github.io/
(Click link directly into browser)