

# ALDI SURYA BRIANTAMA

aldisurya87@gmail.com • linkedin.com/in/aldisb • brianama87.github.io/

Final Year Engineering Student at Universitas Gadjah Mada with a demonstrated history of working at consumer goods industry. Experienced in Internet of Things Assembly Development and Digital Manufacturing to support Supply Chain activity for more than 1 (one) year internship at Indonesia's biggest cosmetics FMCG company, PT ParagonCorp. Strong understanding about supply chain management methodology and lean manufacturing.

## 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
- Learn how to manage inventory using FIFO (First in First Out)
- Learn how to make JIT (Just in Time) and JIC (Just In Case)
- 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 (URS Document).
- Designed Software architecture and requirement.
- Developed Project with Express Javascript Framework also DBMS PostgreSQL.

Project: Re-Developed Automatic Refill Station with IoT Based (Undergraduate Final Project)

- Worked with many users directorate such as PID, RnD, Eng, IT, and SCM.
- Organized and managed project with Agile Methodology.
- Discovered project with some project management software such as Jira and Notion.
- Developed Project with Express Javascript Framework also DBMS PostgreSQL.
- 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 (Webapps) for Refilling Station with Internet of Things based.
- 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.
- 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 Making a factory data dashboard to minimize loss using Tableau Live Connect Server.
- Coordinated with Factory Engineering Teams.
- Organized JIT (Just in Time) and JIC (Just In Case) in Supply Chain area.
- Applied various technology to predict demand with forecasting
- 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-Dec 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 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 (Kemenristekdikti) 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.

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**EDUCATION**

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**Undergraduate Student, Universitas Gadjah Mada****2019-Present****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 (Kemenristekdikti) in collaboration with the Institute Teknologi Sepuluh November (ITS), focusing on analyzing the electric power system under the guidance of PT PLN Persero (BUMN).

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**ACTIVITIES**

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**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.

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**SKILLS & OTHERS**

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

My Personal Website Portfolio:

<http://briantama87.github.io/>

(Click link into browser)