

Sarah Az Zahra Renesia

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Data Analysis and Study Case Portfolio: github.com/sarahrenesia

AREAS OF EXPERTISE

- **Problem solving:** Helicopter view and framework thinking based.
- **Process improvement analyst:** With an approach of data as a base of problem statement and target measurement.
- **Whole system improvement:** System simulation.
- **Data enthusiast:** Database making, data analyst, data visualization, data mining (Python, SQL)
- **People management skill:** Able to be the one who keeps the team moving together in line with the project objective.

WORK EXPERIENCES

Dec 2019 – Mar 2020 Finance, Procurement Intern – PT. TOKOPEDIA

- Able to identify the bottleneck in the procuring process, and improve the process of procuring by doing analysis from the historical data to find the root cause.
- Able to execute projects on my own, and doing cost-saving and cost avoidance up to 57.7% by negotiating with vendor and evaluate the requirement from the company.
- Learned the whole finance process in the headquarter of a big fast-paced company. From cost budgeting, cash-flow efficiency, reporting until payment.

Jun – July 2019 Purchasing Intern – TPK KOJA

- Able to create a purchasing strategy categorizing as a solution to improve the process of purchasing.
- Did purchasing data analysis as based of process improvement.
- Designing guideline in order to improve the process of purchasing.

EDUCATIONS

2016 – 2020 University of Indonesia

Industrial Engineering Major

GPA 3.73 (Cum Laude, Top 8th Graduate of Class 2020)

- Research assistant of Systems Engineering Modelling and Simulation Laboratory - Specialize in Optimization, Operation Research, and Data Analysis
- Focus on designing, improving, and installing a whole process in the comprehensive system to specify, predict, and evaluate the result of the integrated system.

2019 Macquarie University, Sydney Australia

Scholarship Student Exchange Program Awardee

- Data science
- Market research and forecasting
- New venture and entrepreneurship management

ACTIVITIES

- 2020 – Scientific Committee of ISEEC 2020: Game Simulation Stage
 - Design a simulation game for international industrial engineering competition: a gas company simulation with objective to generate the most profit with some constraints designed.
- 2018 – Head of Industrial Engineering Student Representative
 - Responsible for the implementation of all programs at department level.
 - Evaluating the output of each program and constructing the improvement solution
 - Managing and coordinating with 7 other departments at faculty level
- 2018 – Steering Committee of Student Development Program
 - Responsible for the whole student development program at faculty level (with 3000+ students handled)
 - Made a breakthrough by making a whole new system for student development program measurement database for each student at Faculty of Engineering University of Indonesia.
- 2017 – Human Resource Development Staff
 - Design and execute projects for new students to learn how to solve problem with a structured problem-solving framework
 - Awarded as best staff 2017

Actively participated in many projects and trusted to held positions in department and faculty level.

TRAINING AND CERTIFICATES

- English Proficiency Test – **IELTS : 7.5** out of **9.0**
- Oracle Course: Supply Chain Management – January 2019
 - Held by Management Information System and Decision Support Laboratory, University of Indonesia
- Statistical Training – February 2019
 - Held by Statistic and Quality Engineering Laboratory, University of Indonesia
 - Design of Experiment Module with SPSS software:
Able to design a research with a method of:
 - ANOVA
 - Random Complete Block Design
 - Factorial Design