



A passionate and confident graduate from Chemical Engineering background with various experiences in organizations, projects, and committees, equipped with chemical engineering skills and knowledge. I am a hard-working person with an optimistic and detailed mind who likes challenges and thrives on them, has a high curiosity to learn new things, and is always eager to do impactful works using study background as well as soft skills.

ORGANIZATION AND PROJECT EXPERIENCES

Project of Preliminary Plant Design

Chemical Engineering FT-UGM | Oct 2020 – July 2021

- Created a project report consisting of plant feasibility study, material analysis study, production process study, waste treatment study, safety and process control study, company management, profitability study
- Calculated the dimension of all equipment, estimated utility needs, and developed a process flow diagram

Undergraduate Student Researcher

Chemical Engineering FT-UGM | Oct 2019 – Mar 2021

- Created a research proposal, weekly research reports, prepared research tools, and coordinated with the laboratory officer about the research permit
- Conducted laboratory works of butanol synthesis from ethanol using the catalyst that has been made before
- Collaborated with a partner to analyze and process research data, presented research script for a seminar and created research report

Volunteer of Hand Sanitizer Production

Chemical Engineering FT-UGM | Sep 2020 – Sep 2020

- Collaborated with lecturer, laboratory officer, and students to produce hand sanitizers based on a regulated formula that will be distributed to several places of needed.

Community Service Program (KKN)

Universitas Gadjah Mada | June 2020 – Aug 2020

- Conducted virtual discussion with village officials, lecturers, and friends from many different majors about the problems and the village potentials, then proposed problem-solving. Created booklet soft file about the waste treatment of plastic waste, cow dung and agriculture waste

Competition Division

Society of Petroleum Engineers UGM SC | Jan 2019 – Dec 2019

- Managed a boards-mapping for any petroleum events, also preparation and ongoing process of monthly training
- As a part of sponsorship division of annual petroleum event held by SPE UGM, contacted companies and media partner to reach a deal for supporting the event

Public Relation Division

Chemical Engineering Student Association FT-UGM | Oct 2017 – Oct 2018

- Managed preparation and ongoing process of benchmarking
- Managed “Halo Hopin” - a place for students who have many critics or suggestions for academic activity and association events, also managed the social media of the student association

CERTIFICATE OF TRAINING

- |   |   |
|---|---|
| - ISO 9001: 2015 Quality Management System      | - POP   |
| - ISO 14001: 2015 Environment Management System |   |
| - ISO 45001: 2018 Safety Management System      | - Trainer Instructor Development Program KMPD |
| - Quality Control Circle                        |   |
| - Training of Trainer 3rd level                 |   |

INTERNSHIP/ WORKING EXPERIENCE

Chemical Engineering Intern

PT Pupuk Kalimantan Timur | Jan 2021 – June 2021

- Studied the urea fertilizer-making process consisting of ammonia unit, utility unit, and urea unit, studied about the engineering judgment and calculation from the operation condition and process production as a chemical engineer
- Created project report consisting of company explanation, data analysis and data calculation of the case given by the mentors

**Operation Development – Section : System Development**

*PT Fajar Anugerah Dinamika (subsidiary of PT. Hasnur Riung Sinergi), Jobsite Berau Coal | Jul 2021 – now*

- Developed and evaluated an idea/program to increase productivity and decrease loss time or accident
- Responsible for reviewing HIRA, Job Instruction, Standard, Form and Flowchart on Operation and Training Departement
- Created and presented weekly key performance indicator of Operation Training Development and progress of weekly manpower fulfilment
- Created weekly safety report based on observation of driver/operator activity
- Managed and handled competency development of driver/operator
- Managed working permit of driver/operator and visitor permit who will entering mining operational sector
- Handled MOC (Management of Change) of project from preparation till the evaluation of pasca-project
- Coordinated with Human Resources and Production Department about manpower fulfilment
- Handled training development (included created and updated training module, induction for operator)

**EDUCATION**

**Majoring in Chemical Engineering** | GPA: 3.58 out of 4.00  
Faculty of Engineering Universitas Gadjah Mada  
2017 – 2021

**ACHIEVEMENT**

**Top 20 Finalist on Chemical Product Design Competition**  
University of Indonesia (Mar 2020)

**SKILLS**

- Research / Laboratory works
- Chemical Engineering Judgement
- Engineering Calculation
- Data Calculation
- Analytical thinking
- Leadership
- Communication
- Problem Solving
- Teamwork
- Planning and Organizing
- Time Management
- Public Speaking
- Microsoft Office, Visio, Aspen Plus 8.6, Matlab