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# LEONY

Undergraduate Student at Petroleum Engineering, Bandung  
Institute of Technology

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## PROFILE

I am currently on my fourth year, majoring in Petroleum Engineering at Bandung Institute of Technology. I have a specific interest in the energy industry, particularly the oil and gas industry. I am currently working on a thesis regarding simulations of well connectivity through programming, in which I will need to apply knowledge of reservoir engineering and programming. I also had experiences of being mentored to comprehend the concept of hydraulic fracturing, including geomechanics, fracturing fluid design, and connecting every puzzles regarding the whole project.

## EDUCATION

**SMA Sutomo 1**  
*Science Major*

**Medan, INA**  
2016 - 2019

Participated in a student activity as a staff in Sutomo Science Exploration Club, specifically in chemistry division.

**Bandung Institute of Technology**  
*Bachelor of Engineering, Petroleum Engineering*

**Bandung, INA**  
Expected July, 2023

GPA: 3.21/4.00

Participated in student activities, such as serving as a staff of HMTM "PATRA" ITB, a field committee of campus graduation program, a curriculum editor of the study orientation for freshmen, and a member of "Pop Culture Hobbyist Club" Genshiken and Economy and Capital Market Enthusiast (Kelompok Studi Ekonomi dan Pasar Modal)

## WORKING EXPERIENCE

**Project Coordinator Intern**

**Jul 2021 - Nov 2021**

*PT Enerka Bumi Pratama*

- Responsible for contacting speakers whom are experts from oil and gas industry.
- Maintain a cohesive teamwork with three other project coordinators and the project manager relating to timeline planning.
- Managed multiple webinars and paid-classes with more than 100 participants.

**Hydraulic Fracturing Mentee**

**Jul 2022 - Nov 2022**

*Ikatan Ahli Teknik Perminyakan Indonesia (IATMI)*

- Being mentored by an expert of the oil and gas industry with the subject of hydraulic fracturing.
- Gained entry level but complete insights regarding the geomechanics, 2D fracture modelling (PKN model), proppant considerations, fracturing fluid considerations, and fracture geometry.
- Conducted a case study on a hydraulic fracturing project for a vertical well, based on the available well logging data.

## LEADERSHIP AND ORGANIZATIONAL EXPERIENCE

**Jul 2022 - Mar 2023**

**Chairman of Congress**

*Legislative Student Government, ITB*

As the head of the legislative body of the student government on Bandung Institute of Technology (KM ITB), I coordinated Congress, with total of seven commissions, 30 competent members, and three task-based bodies to:

- Oversee 120+ institutions, particularly the executives, in the student government and its executions.
  - Organize three bodies in Congress, with the total of 50+ people to further improve the current policies and participation of masses toward the student government.
  - Maintain 100+ stakeholders in the executive bodies of student government to be able to perform at their best performances to serve 14,000+ members of the student government.
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**Senate****Jul 2022 - Apr 2023***HMTM "PATRA" ITB (Student Organization of Petroleum Engineering)*

- Lead a team consisting of 10+ people to compile aspirations from the organization to make a stance in the Congress .
- Acquired one hard & five soft skills that are required to become a senate, such as data processing for hard skills and management, emotional control, empathy, public speaking skill, and problem solving for soft skills.

**Head of Visual and Social Media Marketing Division****May 2021 - Apr 2022***IATMI SM ITB*

- Together with a team that consists of four members, we maintained and improved the aesthetic and digital marketing aspects of IATMI SM ITB, specifically on social medias.
- As per April 2022, the division has increased 400+ followers on Instagram, with the average engagement rate of 1.5%.

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**ACHIEVEMENT****Runner Up of Geothermal Case Study, DERRICK****Sept 2021***DERRICK (organized by PEM AKAMIGAS Cepu)*

- Created a concise plan for an exploration project for a geothermal field, consisting of 3G studies, conceptual model creation, plan for exploration drilling, and economical assessment.
- Gained more insights regarding well pad positioning while creating the drilling strategy.

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**CORE SKILLS****Languages:**

Indonesia - Native  
English - Proficient  
Mandarin - Basic

**Programming**

Python (Intermediate)  
Jupyter Notebook (Intermediate)  
JavaScript (Basic)  
Visual Basic for Applications (Basic)

**Petroleum Engineering Softwares**

Landmark (Basic)  
Petrel (Basic)  
TNavigator (Basic)

**Microsoft Office**

Word (Proficient)  
Excel (Proficient)  
Powerpoint (Proficient)  
Project (Intermediate)  
Azure (Basic)

**Graphic Design**

Adobe Photoshop (Intermediate)  
Adobe Illustrator (Intermediate)  
Figma (Intermediate)

**Public Speaking (Intermediate)****Well Stimulation - Hydraulic Fracturing (Basic)**

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