



M. WAHID KHOIRUN NAHAR

Geophysicist/Geologist | QHSE | Ahli K3 Umum | POP Certified

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SUMMARY

I am a graduate of S-1 from the **Sumatera Institute of Technology** with a specialization in **Geophysical Engineering**. I enjoy learning new things, pay attention to detail, communicate effectively, and aspire to work in the **Mining industry such as a SHE Specialist, Geologist, Mining Engineer or People Development**. I have mastered skills related to good communication, including an understanding of business communication and communication ethics, organizational communication, visual communication, digital communication, public relations, strong interpersonal skills, and the ability to coordinate with various departments and stakeholders. I also have a high learning ability, adapt quickly, communicate well, possess strong work motivation, and am ready to be placed wherever the company needs me.

EDUCATIONAL BACKGROUND

SUMATERA INSTITUTE OF TECHNOLOGY

Augusts 2017 – August 2021

S-1 Geophysical Engineering (GPA 3.73/4.00)

- **Thesis:** 3D Modelling of the Subsurface Geothermal Area of Ungaran Mount, Central Java Based on Magnetic Data.
- **Proficient in Software:** Safe Site, EHSInsight, Novade (Safety management System Software), Oasis Montaj, Global Mapper, QGIS, Canva, MS Office (Word, Excel, PowerPoint), Surfer, IP2WIN, Seisgram, Res2Dmod, Res2Dinv, Surpac, Minescape, Micromine
- **Fields of Interest:** Mining, Geotechnical, Drill and Blast, Safety Management System, HSE, QHSE.
- **Soft Skills:** Leadership, teamwork, public speaking, time management, problem solving, presentation skills, communication, critical thinking, good integrity, negotiation, and visioning.
- **Languages:** English
- **Summary:** During my academic journey, I actively participated in organizations and engaged in various project assignments related to the courses I took. This experience greatly enhanced my soft skills and knowledge relevant to the professional world.

CORE COMPETENCIES

- **Mapping:** able to create geological maps, geographical maps using QGIS applications, able to overlay maps visualization of geophysical and geological data, make rock lithology using Surfer carefully for and process-oriented, geological modelling (mining modelling) using surpac, minescape or micromine.
- **Heavy Equipment Safety Operation Assessment :** able to evaluate safety operation track heavy equipment such as Komatsu PC200, Sany SY225.
- **QHSE/SHE Specialist :** able to manage reporting and compliance SHE data, audit SMK3, implementing SHE program, create key performance indicator SHE, accident investigation, able handle safety training, able to handle CSMS, create JSA, IBPR/HIRADC, able to create safety campaign.
- **Geoelectrical:** able to perform geoelectric data acquisition using Superstring R8 / IP, Naniura, processing geoelectric data using IP2WIN software, Res2Dinv, able to make distribution maps of geoelectric anomalies / resistivity and perform geological and geophysical analysis.
- **Gravity:** able to acquire data using gravity tools, process gravity data, analyze gravity data, identify geological structures and geothermal systems with great accuracy.

WORK EXPERIENCES

PT HASNUR RIUNG SINERGI

May 2024 – Recent

Operation Staff Instructor

- Supervise and monitor all implementations of SHE (Safety, Health, and Environment) standards in every aspect of mining activities at the job site in order to ensure operations that comply with safety and environmental standards
- Provide training to all group leaders/junior staff to ensure that each employee has acquired the necessary competencies according to their job.
- Work together with Group Leaders to ensure that all SOPs related to mining work are well communicated and adhered to by all staff employees in the production department.
- Conduct a review of productivity achievements, ATR Group Leader, competencies, and KPIs to ensure they align with the targets and applicable regulations.
- Develop the competencies and work performance of Group Leaders in accordance with their competency matrix."

FGDP Production

May 2023 – May 2024

- Responsible for creating a project to optimize the training and development program for heavy equipment operators to achieve a production target of **650** bcm/hour.
- Responsible for estimating the production of **4** medium fleet overburden loaders (with a production capacity of **650** bcm/hour) and **4** small fleet overburden loaders (with a production capacity of **250** bcm/hour).
- Responsible for ensuring that operators have a minimum of **90%** competency in understanding aspects of HSE, safety operations, operational techniques, and knowledge of heavy equipment components.
- Responsible for preparing and generating weekly Key Performance Indicator (KPI) reports on operator competency fulfillment for heavy equipment, with a target achievement of **100%**.

PT CSM CORPORATAMA

July 2022 – May 2023

HSE Officer/ HSE Representative Site (Site PT. Bukit Asam and PT. Medco Eenergi)

- Responsible for producing a report to the Department of Labor's P2K3 (Occupational Safety and Health Committee) every **3** months with a **100%** achievement rate throughout the year. Also accountable for ensuring compliance with the implementation of ISO 45001:2018.
- Capable of creating an annual HSE (Health, Safety, and Environment) Plan and implementing it with a **100%** achievement rate. Responsible for conducting monthly inspections of company facilities and infrastructure once a month.
- Successfully fulfilled the requirements of SMK3 (Occupational Safety and Health Management System) client audits and achieved a highly satisfactory **100%** Key Performance Indicator (KPI) for HSE at PT. CSM Corporatama for **3** projects: PT. Medco E&P Palembang and PT. Medco E&P Block Lematang, PT. Bukit Asam Tbk Jobsite Muara Enim.
- Responsible for creating Permit to Work, HIRADC (Hazard Identification, Risk Assessment, and Determining Control) documents, and JSA (Job Safety Analysis) for **5** projects, ensuring compliance with ISO 45001:2018.
- Conducted monthly toolbox meetings and safety talks internally within the company and for **5** clients on projects: PT. Pertamina EP Asset **5** Sangatta Field, PT. Pacific Lubritama Indonesia (Repsol Indonesia), ENI Muara Bakau B.V., PT. Medco E&P Palembang, and PT. Medco E&P Block Lematang.
- Prepared and delivered monthly HSE reports for client PT. CSM Corporatama on **5** projects: PT. Pertamina EP Asset 5 Sangatta Field, PT. Pacific Lubritama Indonesia (Repsol Indonesia), ENI Muara Bakau B.V., PT. Medco E&P Palembang, and PT. Medco E&P Block Lematang.
- Successfully complied with CSMS (Contractor Safety Management System) documentation requirements for **5** projects: BP Berau Ltd, PLN ULP, PT Pertamina EP Asset **2** Prabumulih Field, Husky-CNOOC Madura Limited, and Atlas Copco Indonesia.

Laboratorium Assistant

- Responsible as a Seismology Laboratory Assistant for guiding **100** students in processing seismic data using Excel and Seisgram software to obtain information on P and S wave identification as well as earthquake epicenters.
- Responsible for guiding **100** students in learning the acquisition, processing, and interpretation of seismology data.
- Responsible as a Gravity and Magnetic Assistant, guiding **100** students in processing gravity and magnetic data to derive geological structure information in 2D and 3D using software like Oasis Montaj, Surfer, QGIS, and Excel.
- Responsible for guiding **100** students in data acquisition using magnetic (magnetometer) and gravity (Gravimeter Lacoste) instruments.
- Responsible as a Physics Laboratory Assistant, providing practical physics reports for **100-200** students.

PPSDM MIGAS CEPU**February 2021 – February 2021****Geophysicist**

- Responsible for processing **100** geoelectric data to obtain information about lithological structures in the research area.
- Capable and responsible for creating **3-5** maps for each research location, including administrative maps, geological maps, topographic maps, and resistivity distribution maps.
- Proficient in analyzing **100** geoelectric data processing to determine the potential aquifer positions in the Cepu region.
- Responsible for acquiring **100** data points using the Super String R8/IP geoelectric instrument and preparing acquisition data reports.

ORGANIZATIONAL AND COMMITTEE EXPERIENCES

INFLUENCER NETWORK INDONESIA**March 2022 – September 2022****Staff Event Organizer**

- Coordinating with food and beverage providers for **200-300** guests, **10-15** committee members, and others to ensure that the meals are served as planned.
- Collaborating in organizing the **200-300** invited guests to ensure that the event runs smoothly without disruptions through effective communication with the rest of the team.
- Taking responsibility for coordination during the event day, including managing the event flow, welcoming guests, and ensuring that all aspects of the event run smoothly.

HIMPUNAN MAHASISWA TEKNIK GEOFISIKA MAYAPADA ITERA**December 2019 – February 2021****Chairman**

- Responsible for planning and structuring a work program to achieve the organization's vision and mission and successfully leading executive meetings and making organizational decisions.
- Responsible for representing the organization in student council (BEM) meetings, external community events, and national-level student organizations.
- Responsible for internal coordination among the executives, the academic program department, and external parties, and successfully providing policy guidance and overseeing all members.

SOCIETY EXPLORATION OF GEOPHYSICIST ITERA**Maret 2020 – Februari 2021****Staff Research**

- Responsible for planning and organizing scientific discussion events, research webinars with expert speakers in the field of geoscience.
- Responsible for facilitating SEG members in writing scientific papers and journals in the field of geoscience.
- Responsible for conducting research reviews of geoscience papers/journals and successfully contributing to the regular development of the journal.

Staff Divisi Hukum Departemen Internal

- Responsible for facilitating member assemblies and reviewing the Articles of Association (AD) and Bylaws (ART).
- Responsible for facilitating executive meetings and organizing forums for reporting the accountability of the Daily Management Board (BPH).
- Responsible for facilitating member assemblies to make changes to the Articles of Association (AD) and Bylaws (ART) and for promoting awareness of the AD/ART.

AWARDS AND ACHIEVEMENTS

- **Overall Champion of ITERA Olympic 2020**, Institut Teknologi Sumatera.
- **Successfully passed the funding stage for a Research Program for Students (PKM)** by the Ministry of Education and Culture in 2020.
- **Academic Achievement Scholarship** from the Ministry of Education and Culture in 2019.
- **Successfully passed the Contractor Safety Management System (CSMS) documentation** for PT. CSM Corporatama, leading to the winning of a project tender from PT. Pertamina EP Asset 2 Prabumulih Field and Husky-CNOOC Madura Ltd with an achievement score of 85%.
- **Successfully passed the SMK3 (Occupational Safety and Health Management System) audit** for PT CSM Corporatama by PT Medco E&P Palembang and PT Medco E&P Block Lematang with an achievement score of 90% (highly satisfactory).

PROJECT PORTOFOLIO

- **HSE Bulletin Article: Geofence**
[Link : https://bit.ly/405sc8p](https://bit.ly/405sc8p)
- **Scientific Journal: 3D Subsurface Modeling of the Geothermal Area of Mount Ungaran, Central Java**
[Link : https://bit.ly/46EHymE](https://bit.ly/46EHymE)

CERTIFICATION AND TRAININGS

- **Pengawas Operasional Pertama (BNSP)**, LSP Tambang Minerba Indonesia, 2024
- **Ahli K3 Umum Kementerian Tenaga Kerja**, PT. Mutiara Mutu Sertifikasi, 2022
- **Basic Fire Fighting**, PT. Mutiara Mutu Sertifikasi, 2022
- **Hazard Identification Risk Control**, PT. Mutiara Mutu Sertifikasi, 2022
- **ISO 45001:2018 Awareness**, PT. Mutiara Mutu Sertifikasi, 2022
- **Contractor Safety Management System**, PT. Mutiara Mutu Sertifikasi, 2022
- **Health, Safety, and Environment (HSE) Plan**, PT. Mutiara Mutu Sertifikasi, 2022
- **Operator Muda Komputer (Office Application)**, Badan Nasional Sertifikasi Profesi, 2021

REFERENSI

- **Dr. Nono Agus Santoso, S.Si., M.T.**
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- **Lutfi Al Hakim**
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