

# Rendy Ramadhana Wahyudi

Subsurface analyst | Tech-forward geophysics enthusiast

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## PROFESSIONAL SUMMARY

Driven geophysics enthusiast with strong curiosity for the subsurface and a commitment to energy innovation. Skilled in seismic interpretation and data analysis to support hydrocarbon exploration. Proven ability to solve complex geoscience problems through creativity and collaboration. Strong verbal and written communication, with an analytical mindset and hands-on approach.

## AREAS OF EXPERTISE

- |                          |                             |                               |
|--------------------------|-----------------------------|-------------------------------|
| ✓ Seismic Interpretation | ✓ Geophysical Survey Design | ✓ Project Planning            |
| ✓ Subsurface Modeling    | ✓ Data Acquisition          | ✓ Signal Processing           |
| ✓ Python for Geoscience  | ✓ Data Visualization        | ✓ Quantitative Interpretation |
| ✓ Scientific Writing     | ✓ Geostatistics             | ✓ Qualitative Interpretation  |

## EDUCATION

**Master of Science, Physics**, Universitas Padjadjaran, Sumedang, West Java Expected 2025

- Focus: Computational Physics, Seismic Analysis, and Subsurface Modeling.
- Graduate research: Developing seismic-based disaster detection systems aligned with regional priorities.

**Bachelor of Science, Geophysics**, Universitas Padjadjaran, Sumedang, West Java 2023

- Key topics: Seismic Interpretation, Earth Structure, Geophysical Instrumentation.
- Final project: Prototype development of real-time disaster early warning system using geophysical signals.

## LEADERSHIP EXPERIENCE

**Program Coordinator, Pembinaan Desa**, Himpunan Mahasiswa Geofisika Indonesia 2022

coordinated long-term rural outreach, trained disaster awareness to 100+ residents.

- Led semester-long rural development program involving weekly activities.
- Conducted social mapping across 50+ households to design relevant engagement.
- Collaborated with academics and community leaders to implement public education.
- Delivered earthquake preparedness training to over 100 residents.

**Chair, Independence Day Celebration Committee**, Community Resident Group 2023

organized community-wide event in less than a week, fostering strong local engagement.

- Initiated and led a team of 15 to organize a major Independence Day celebration.
- Managed logistics for parades, children's activities, and technical event preparation.
- Engaged over 50 households, strengthening neighborhood ties and inclusivity.
- Built strong emotional bonding among volunteers through a family-oriented approach.

## PROFESSIONAL EXPERIENCE

**Geophysical Engineer**, PT. Surya Brinka Persada, West Java 2022

lead team for acquisition resistivity survey, succeed completing one week ahead of schedule.

- Led a team of 5 in 2D resistivity survey acquisition.
- Successfully completed the project one week ahead of schedule.
- Received positive feedback from the client for the team's performance.

**Geoscience Surveyor**, Yayasan Sedekah Air, Jakarta 2022

give training to colleague, completed survey in rural area in Central Java.

- Trained 3 new surveyors in geophysical survey techniques.
- Successfully completed a survey in a rural area of Central Java.
- Received positive feedback from the team for effective training methods.

## CERTIFICATES & GRANT

TOEFL ITP Score: 527  
Copyright: Educational Documentary Film  
Graduate Research Grant  
Graduate Scholarship Awardee

Universitas Indonesia  
Kemenkumham  
Kemendikbud  
JFLS, Disdik Jabar

## TECHNICAL SKILLS

**Programming:** Python, C++, MATLAB    **Geoscience Software:** Res2Dinv, Petrel, Geopsy, QGIS, Surfer  
**Documentation & Reporting:** LaTeX, Scientific Writing & Technical Reporting    **Project Management**  
**& Collaboration:** Trello, Notion    **Operating System:** Linux (Ubuntu)