

# Sherly Meiwa, ST., MT

## Geotechnical Engineer & Lecturer

Bandung, West Java, Indonesia | meiwasherlycivil@gmail.com



### PROFESSIONAL SUMMARY

Geotechnical Engineer with Ahli Geoteknik Madya (G1) certification. Specializing in soil-structure interaction, foundation design, and geotechnical analysis.

### PROFESSIONAL EXPERIENCE

#### Geotechnical Expert

Jan 2024 - Present

*PT Meta Bumi Systema, Indonesia*

Geotechnical expert analyzing field and laboratory soil investigation results for various construction projects across Indonesia.

- Analyzed soil investigation results for hospital projects in West Java
- Conducted geotechnical analysis for infrastructure projects including bridges and office buildings
- Performed soil investigation for industrial facilities including Pertamina tank projects
- Led geotechnical analysis for mining feasibility studies including Red Mud Area and Smelter Area Phase II Alumina projects
- Conducted permeability studies for dam projects in Lampung

#### Geotechnical Engineer

Jan 2021 - Present

*PT LAPI ITB, Indonesia*

Geotechnical Engineer performing design and analysis for various projects including mining construction and infrastructure development.

- Performing geotechnical design and analysis for various projects
- Conducting soil investigation and foundation design
- Providing expert consultation on geotechnical engineering

#### Lecturer

Jan 2019 - Dec 2021

*Universitas Komputer Indonesia (UNIKOM), Bandung, Indonesia*

Teaching geotechnical courses in Civil Engineering department, sharing industry experience with students.

- Teaching geotechnical engineering courses
- Developing curriculum for civil engineering program
- Mentoring students in geotechnical design projects

#### Team Leader & Geotechnical Expert

Jan 2021 - Dec 2024

*PT BAHARI JAYA SEJAHTERA, Indonesia*

Led detailed engineering design for port infrastructure projects in Papua and Maluku provinces.

- Team Leader for Detailed Engineering Design of Depapre Port, Papua Province (2022-2024)
- Team Leader for Detailed Engineering Design of Lerokis Port, Maluku Province (2021-2022)
- Provided geotechnical expertise for port infrastructure projects

#### Geotechnical Engineer

Jan 2019 - Jan 2021

*PT LAPI ITB, Bandung, Indonesia*

Geotechnical Engineer performing design and analysis for various projects including mining construction.

- Performed design and analysis for mining construction projects
- Conducted geotechnical investigations and analysis
- Developed foundation design recommendations

## **Head of Soil Mechanics Laboratory**

Jan 2017 - Jan 2019

*PT ZIFA ENGINEERING, Indonesia*

Responsible for supervision, inspection, and soil mechanics test results in the laboratory.

- Led laboratory operations and testing procedures
- Supervised soil mechanics testing and quality control
- Managed laboratory team and ensured test accuracy

## **EDUCATION**

### **Master of Engineering in Civil Engineering - Geotechnical Engineering**

Aug 2015 - Dec 2018

*Institut Teknologi Bandung (ITB), Bandung, Indonesia*

GPA: 3.25/4

- Thesis on soil-structure interaction in piled raft foundation systems under dynamic loads
- Conducted advanced research in geotechnical engineering

### **Bachelor of Engineering in Civil Engineering**

Aug 2010 - Jul 2015

*Institut Teknologi Nasional (ITENAS), Bandung, Indonesia*

GPA: 3.54/4

- Final thesis on soil improvement methods using Vertical drain (PVD)
- Graduated with good academic standing

## **CERTIFICATIONS**

### **Ahli Geoteknik Madya (G1)**

*HATTI (Indonesian Soil Engineering Association) - LPJK | Jan 2018 - Jan 2028*

## **TECHNICAL SKILLS**

**Geotechnical Engineering:** Pile Design, PLAXIS 2D, Dynamic Analysis, ABAQUS 3D

**Laboratory & Testing:** Laboratory Testing

**Infrastructure Design:** Port Infrastructure, Soil Improvement

**Professional Skills:** Project Leadership, Teaching & Training, Certified Professional

## **PROJECTS**

### **Detailed Engineering Design of Depapre Port**

Complete detailed engineering design for port infrastructure in Papua Province.

*Expertise: Geotechnical Design, Port Engineering, Foundation Design*

### **Detailed Engineering Design of Lerokis Port**

Complete detailed engineering design for port infrastructure in Maluku Province.

*Expertise: Geotechnical Design, Port Engineering, Foundation Design*

### **Soil Investigation Study in Sermayam District, Merauke**

Geotechnical analysis for soil investigation study in Sermayam District, Merauke.

*Expertise: Soil Investigation, Geotechnical Analysis*

### **RED MUD AREA Phase II Alumina Feasibility Study**

Geotechnical survey for Red Mud Area Phase II Alumina Feasibility Study.

*Expertise: Geotechnical Analysis, Feasibility Study*

### **SMELTER AREA Phase II Alumina Feasibility Study**

Geotechnical survey for Smelter Area Phase II Alumina Feasibility Study.

*Expertise: Geotechnical Analysis, Feasibility Study*

### **Permeability Study - Way Sekampung Dam, Pringsewu, Lampung**

Permeability study for Way Sekampung Dam project in Pringsewu, Lampung.

*Expertise: Permeability Testing, Soil Analysis*

### **Soil Investigation - Rumah Sakin Hasna Medika, Majalengka**

Soil investigation for hospital construction project in Majalengka, West Java.

*Expertise: Soil Investigation, Foundation Design*

**Soil Investigation - Cable Route Project, Cirebon**

Soil investigation for cable route infrastructure project in Cirebon.

*Expertise: Soil Investigation, Soil Analysis*

**Soil Investigation - PT ILK Campus Complex, Karawang**

Soil investigation for campus complex development project in Karawang.

*Expertise: Soil Investigation, Foundation Design*

**Soil Investigation - SARPRAS HIDRO OSEANOGRAFI, North Jakarta**

Soil investigation for education and training facility development in North Jakarta.

*Expertise: Soil Investigation, Foundation Design*

**Soil Investigation - Pertamina Tank, Cirebon**

Soil investigation for Pertamina tank facility in Cirebon.

*Expertise: Soil Investigation, Foundation Design*

**Soil Investigation - Pedestrian Bridge, Menteng, Jakarta**

Soil investigation for pedestrian bridge construction in Menteng, Central Jakarta.

*Expertise: Soil Investigation, Soil Analysis*

**Soil Investigation - Inspectorate General Office, South Jakarta**

Soil investigation for government office building in Kalibata, South Jakarta.

*Expertise: Soil Investigation, Foundation Design*

**TRAINING & SPEAKING ENGAGEMENTS****Sertifikasi BNSP+LPJK Teknisi Geoteknik Jenjang 6**

BNSP+LPJK

Jan 2023