

Nedi Sawego Yogya

First Principle Engineer · Civil Engineer · Problem Solver

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South Jakarta, Indonesia

PROFESSIONAL SUMMARY

Civil Engineering graduate from the University of Indonesia with a strong command of engineering fundamentals, demonstrated by tenure as a Teaching Assistant for Structural Analysis and Solid Mechanics. Practical experience in construction supervision for high-specification Data Center projects. Seeking to leverage strong analytical skills and first-principle thinking as an Assistant Engineer.

TECHNICAL SKILLS

- **Engineering Software:** SAP2000, AutoCAD.
- **Core Competencies:** Structural Analysis, Structural Design, Structural Optimization, Solid Mechanics, Quality Control, Reinforcement Calculation.

WORK EXPERIENCE

- **PT Beton Elemenindo Putra | Batujajar, West Jawa | Staff Engineer | September 2024 – May 2025**
 - o Developed scripts to solve structural and hydrodynamic analysis of a marine pontoon.
 - o Surveyed and supervised the specialized construction method using EPS as insulative wall core, geotechnical filings, and architectural façade.
 - o Drew “for construction” and “as built” documents of projects utilizing our specialized solutions.
- **University of Indonesia (UI) | Depok, West Jawa | Teaching Assistant - Structural Analysis | January 2024 – June 2024**
 - o Instructed and mentored students in learning structural analysis methods, ensuring a deep understanding of core calculation methods.
 - o Co-developed teaching modules and created educational materials to support effective learning outcomes.
- **University of Indonesia (UI) | Depok, West Jawa | Teaching Assistant - Solid Mechanics | August 2023 – December 2023**
 - o Instructed students in applying solid mechanics concepts to solve complex engineering problems.

- Assisted in the development of curriculum modules to support the faculty's teaching goals.
- ***PT Tatamulia Nusantara Indah | Jakarta, Indonesia Civil Engineering Intern (Doyona JK21 Data Center Project) | June 2023 – August 2023***
 - Supervised construction stages for floors 1 to 3 of the Doyona JK21 Data Center project, gaining critical exposure to high-tech infrastructure requirements.
 - Executed Quality Control (QC) protocols, calculated reinforcement requirements, and conducted geometry surveys to ensure structural precision.
 - Applied theoretical knowledge to solve real-time field problems, bridging the gap between campus design and on-site execution.

LEADERSHIP & ORGANIZATION

- ***FTUI Cartala | Depok, West Java Head of Structure and Materials Division | January 2023 – December 2023***
 - Led a division tasked with increasing student participation and competency in structural engineering and materials science.
 - Organized technical training for industry-standard software including AutoCAD and SAP2000 to improve students' design capabilities.
 - Facilitated "Hands-On" activities such as the Cartala Workshop to prepare students for national and international competitions.

EDUCATION

- ***University of Indonesia (UI) | August 2020 – July 2024***
 - Bachelor's Degree, Civil Engineering