

R. ADHIMAS BAYU AIRLANGGA

Civil Engineering Consultant

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Indonesia, Bekasi 17411



SUMMARY

A professional civil engineer with over 15 years of combined experience in infrastructure development, project management, and disaster risk management. Adhimas has successfully led and managed 21 high-value, nationally strategic structural strengthening and post-tensioning projects, with a cumulative project budget of up to USD 5 million. He has overseen multidisciplinary teams and delivered complex civil works under challenging site conditions.

Currently part of the World Bank Task Team, supervising a USD 400 million urban flood resilience program. Responsible to provide strategic advice on work planning, procurement, implementation arrangements, and disbursement monitoring to ensure the program stays on track and meets its development objectives.

SKILLS

Disaster Risk Reduction

Urban Resilience

Project management

Procurement and Fiduciary Oversight

Capacity Building

Stakeholder Engagement

Transportation Engineering

EXPERIENCE

Disaster Risk Management and Operations Specialist Consultant

The World Bank

01/2022 - Present Jakarta, Indonesia

National Urban Flood Resilience Project (NUFRoP) - (P173671)

- Provide technical inputs on Term of References (ToRs) and evaluate expressions of interest and proposals from consulting firms
- Provide support to the technical quality assurance to the DRM analytics to be carried out in Indonesia
- Review technical reports, master plans, drainage plans, feasibility studies, risk assessments and models, and provide guidance on opportunities to pursue integrated urban flood resilience solutions
- Provide support to the fiduciary aspect including monitoring the procurement status, coordinating with focal points from the implementing units, and reviewing the technical documents section regarding the fiduciary aspect
- Identify opportunities for introducing innovative and sustainable approaches, including master-planning, flood hazard monitoring, forecasting, and early warning systems, and how to mainstream disaster and climate resilience into development investments
- Guide policy dialogue and identification of key urban resilience capacity building activities, at national and city level
- Design and implement a capacity building program for government stakeholders related to urban resilience, risk reduction, and emergency preparedness
- Contribute to aide memoires, including technical annexes, and TORs for Bank-executed activities

LANGUAGES

English

Professional



EDUCATION

Master's Degree of Civil Engineering

Institut Teknologi Bandung, Indonesia

07/2010 - 10/2013

Bachelor's Degree of Civil Engineering

Institut Teknologi Bandung, Indonesia

07/2005 - 04/2010

CERTIFICATION

Integrated Urban Flood Risk Management (IUFRM) Lessons from Japan

Open Learning Campus - World Bank Group

Overview of Disaster Risk Management

Open Learning Campus - World Bank Group

Procurement Core eLearning

Open Learning Campus - World Bank Group

Occupational Health and Safety in World Bank Financed Projects

Open Learning Campus - World Bank Group

Social Media Engagement

Open Learning Campus - World Bank Group

FY25 Cybersecurity Awareness: Staying Cyber STRONG in the Age of AI

Open Learning Campus - World Bank Group

FY24 Cybersecurity Awareness Course: Be the Strongest Link

Open Learning Campus - World Bank Group

FY23 Cybersecurity Awareness Course: Cybersafe Digital Citizen

Open Learning Campus - World Bank Group

Post-Tensioning System 1B

VSL Academy, Bangkok, Thailand

Intermediate Building Engineering Expert

Lembaga Pengembangan Jasa Konstruksi (LPJK), Indonesia

Intermediate Bridge Engineering Expert

Lembaga Pengembangan Jasa Konstruksi (LPJK), Indonesia

EXPERIENCE

Deputy Section Manager

PT VSL Jaya Indonesia

📅 02/2019 - 07/2021 📍 Jakarta, Indonesia

- Led post-tensioning system operations for Indonesia's national strategic toll road project (6 Toll Road Phase 1A Kelapa Gading - Pulo Gebang)
- Developed detailed project schedules, allocated materials, manpower, and equipment.
- Prepared key construction documents (PQP, Method Statement, JHA, ITP).
- Monitored compliance with safety, quality, and project delivery standards.
- Served as main liaison between client, site teams, and top management for issue resolution and progress reporting.

Project Manager

PT VSL Jaya Indonesia

📅 07/2015 - 02/2019 📍 Jakarta, Indonesia

- Delivered over 21 civil works projects across Indonesia (bridges, buildings, toll roads).
- Oversaw complete operational delivery—from planning to financial and progress reporting.
- Reviewed and modified SOPs and ITPs to meet diverse project requirements.
- Coordinated closely with internal leadership and clients on operations, scheduling, and quality control.

Team Coordinator (Project)

AKATIGA

📅 11/2014 - 02/2015 📍 West Papua, Indonesia

- Led technical assessment of rural infrastructure under PNPM in Papua and West Papua.
- Collected and analyzed primary/secondary data on rural roads, buildings, and bridges.
- Delivered field-based insights to inform development planning and infrastructure service delivery.

Transport Engineer

LAPI ITB

📅 09/2009 - 10/2014 📍 Bandung, Indonesia

- Demand forecasting for pre-feasibility study of Bandung Metropolitan Area Monorail (Monorail development from Leuwipanjang to Tanjungsari for route analysis, financial and economic analysis, basic design, operation and scheduling)
- Development of transportation system masterplan of Riau Province to support MP3EI program
- Analysis of Tanjung Priok dwelling time, formulating the policy to improve dwelling time
- Analysis the impact of heavy vehicle operational time limitation policy in Intra Urban Toll Road Jakarta for Tanjung Priok Port performance
- Feasibility study for railway development from Bogor to Rangkasbitung: route analysis, financial and economic analysis, operation and scheduling)

CERTIFICATION

Implementing an Environmental Management System ISO 14001:2015

SAI Global, Indonesia

ISO 14001:2015 Foundation

SAI Global, Indonesia

Post-Tensioning System 1A

VSL Academy, Bangkok, Thailand

INTERESTS



Sports, Traveling, Computer Hardware, Movies

Engaging in sports, especially billiards, and exploring new places through travel, along with interests in technology and films