



Joni Safaat Adiansyah

Experience

March 2009 – Present Muhammadiyah University-West Nusa Tenggara, Indonesia

Lecturer at Engineering Faculty - Mine Engineering Department

- Courses: Mining Environment, Environmental Geology, and Occupational Health and Safety Regulation, Coal Utilization

February – May 2018 PT Radiant Interinsco & BHMP, Indonesia

Auditor

- Audit Energy and Greenhouse Gasses Estimation at Nickel Mining

December 2014 – February 2015 Centre for Water in the Minerals Industry - Sustainable Mineral Institute, The University of Queensland

Management Trainee

- Conducting three months laboratory work for analysing the water and energy consumption on coal tailings management using rheology approach

October 2016 Alberwell Pty Ltd, Perth

Casual Junior Consultant

- Life Cycle Assessment (LCA) project including climate change analysis of different home appliances types.

April 2009 – July 2013 Copper Mine PT Newmont Nusa Tenggara-Batu Hijau Project, Indonesia

General Supervisor Environmental Affairs, Environmental Department

January 2006 – March 2009 PT Newmont Nusa Tenggara-West Nusa Tenggara, Indonesia

Senior Specialist Permitting and Environmental Affairs, Environmental Department

- Assist in applying PTNNT Environmental Management System by ISO 14001:2004 requirements including document and record management standard.
- Fulfill the new GOI Environmental regulations and the extension of existing PTNNT Environmental Permits including EIA document.
- Develop special project and research to improve company environmental performance including **Climate Change Initiative projects, Energy Efficiency Audit, Fly Ash Utilization for Concrete.**

- Conduct and participate actively in Integrated Management System (IMS) Audit either as a lead auditor or auditor member.

July – September 2008

Internship at Indonesian Designated National Authority –
National Commission for Clean Development Mechanism, Ministry of the
Environment Republic of Indonesia.

April – June 2008 Wageningen University Netherlands
European Workshop (AMC project)

The project title:

“Public and green space in Prague city center: investigating ways to improve the current situation.”

The project analyses were comprised of policy analysis, stakeholder analysis, ecosystem services analysis, and communicating strategy analysis.

2005– July 2013 Komunitas Hijau Biru-West Nusa Tenggara, Indonesia

Executive Coordinator (Voluntary) - NGO

- Coordinating and monitoring organization activities.
- Preparing program and discussing with the team members.
- Seeking the cooperation potency of the programs with other stakeholders such as government, private companies, communities, and students.

Some of the programs were as follows:

Research:

1. Wetland Biodiversity, Lebuk Lake Taliwang, West Sumbawa, West Nusa Tenggara, Indonesia, November 2006-January 2007.
2. River Health Survey, Jangkok River, Mataram, West Nusa Tenggara, Indonesia, August 2007.

Campaign and Education:

- Waste Management and Composting Training for Community, 2009
- World Environment Day, 2006 - 2010
- Waste management workshop for senior high school students, 2006
- Waste Management and Composting Training for Hotels, 2010

January – February 2010 Copper Mine PT Newmont Nusa Tenggara-Batu Hijau Project, Indonesia

Environmental Impact Assessment (EIA) Team

Involving in the Amendment of Batu Hijau EIA document due to mining revision activity.

March 2001-2005 Copper Mine PT Newmont Nusa Tenggara-Batu Hijau Project, Indonesia
Government Relation Representative, External Relation Department

June 1999 – February 2001 Copper Mine PT Newmont Nusa Tenggara-Batu Hijau Project, Indonesia
Land Supervisor, Compliance Department

1998–2007 Muhammadiyah University West Nusa Tenggara, Indonesia
Lecturer¹ at Engineering Faculty – Civil Engineering Department
○ Teaching some courses at Civil Engineering Department, namely Computer Application for Civil Engineering, and Urban Transport Planning.

1997 – 1998 Public Work Office West Nusa Tenggara, Indonesia
Technical Staff

Education

September 2013 – January 2018 Curtin University, Western Australia
○ Ph.D in the Sustainable Engineering Group (SEG), Research title was Life Cycle Assessment of Mine Tailings Management – Supervisors: A/Prof. Michele Rosano and Dr. Wahidul Biswas

September 2007– March 2009 Wageningen University, The Netherlands
○ Master of Science (MSc) in Environmental Sciences
○ Thesis title was ‘The Evaluation of Climate Change Regime, Clean Development Mechanism, in Indonesia’ – Supervisor: Dr. Aarti Gupta.

1994–1997 Merdeka University East Java, Indonesia
○ Bachelor degree in Civil Engineering

Professional

- ✓ Certified as Environmental Auditor from National Association of Consulting Professionals Indonesia, ID Number: 23.11.0004369, valid until April 2014.
- ✓ Certified as Middle Operational Supervisor, Ministry of Energy and Mineral Resources - Republic of Indonesia.
- ✓ Member of Association of Indonesian Mining Professionals (PERHAPI), ID Number:1102801.
- ✓ Member of Indonesian Life Cycle Assessment Network (ILCAN).

¹ Yearly contract



Certified as Member of Environmental Impact Assessor (ATPA) from Indonesian Professional Certification Authority (BNSP), valid until June 2020.

Area of Expertise

Environmental Lead Auditor ISO 14001, Environmental Management System (EMS), Green House Gasses (GHG) Inventory for Mining, Life Cycle Assessment and Costing (LCA & LCC), Environmental and Waste Management, Environmental Impact Assessment.

Organization Experiences

Competence and skills in Organization obtain through experiences on various social organizations as follows:

- 1998 – 1990, Librarian Secretary at Senior High School
- 1991 – 1992, Member of Student Board at Polytechnic of Brawijaya University
- 1992 – 1993, Member of Civil Students Board (HMS) at Polytechnic of Brawijaya University
- 1993, Chairman of Alumni Ceremony Polytechnic of Brawijaya University
- 2003 – 2005, Treasurer of Forum Silaturahmi Keluarga Lombok (FSKL)
- 2007 - 2008, President of Wageningen Indonesian Student Association
- 2013 - 2014, Head of Advocation section of The Association of Indonesian Postgraduate and Scholars in Australia (AIPSSA)
- 2014 - 2015, Vice President of AIPSSA & Secretary Cabinet of Curtin Indonesian Muslim Student Association (CIMSA)
- 2015 – 2016, President of CIMSA

List of Trainings/ Courses/Seminars

❖ April, 3-25, 2017 – Universitas Sebelas Maret, Solo, Indonesia
Environmental Impact Assessment Training

❖ November 14-16, 2016 – Universiti Teknologi Brunei, Brunei Darussalam
Invited Talk in 6th Brunei International Conference on Engineering and Technology

Paper: “Comparing two different technologies in mine tailings management: a life cycle assessment perspective.”

❖ July 12, 2012 – Gadjah Mada University, Jogjakarta, Indonesia
Presenter paper at National Seminar on Environmental Research
Papers: 1. “CDM Impact to Sustainable Development in Indonesia.”
2. “Carbon Stock Estimation in Mining Reclamation Area.”

❖ July 18-29, 2011 – Gadjah Mada University, Jogjakarta, Indonesia
Advanced Image Processing Training

❖ November 26, 2010 – Grand Legi Hotel, Mataram, Indonesia
Trainer and Presenter at Waste Management Training for Hotels

- ❖ October 13, 2010 – Gadjah Mada University, Jogjakarta, Indonesia
Poster Presenter at National Seminar on Climate Change
 Title: “CDM Pipeline Program in Indonesia: An Opportunity and Challenge to Mining Industry.”
- ❖ November 2 – 6, 2009 – Jakarta, Indonesia
Lead Auditor ISO 14001: Environmental Management System (EMS) – SAI Global
- ❖ March 22–23, 2006 – Jakarta, Indonesia
National Conference on Environmental Management - Environmental State Ministry (KLH)
- ❖ August, 25– September, 6, 2003 – Jogjakarta, Indonesia
Environmental Basic Assessment Training (AMDAL Dasar)- PSLH Gadjah Mada University
- ❖ February, 24-28, 2003 – Jakarta, Indonesia
Community Development Course (Intermediate) - ESDM Training centre and ICSD (Indonesia Centre for Sustainable Development)

Publications

- ADIANSYAH, J.S., HAQUE, N., ROSANO, M., BISWAS, W., 2017. Application of a life cycle assessment to compare environmental performance in coal mine tailings management. *Journal of Environmental Management*, 199, 181-191.
- ADIANSYAH, J.S., ROSANO, M., BISWAS, W., HAQUE, N., 2017. Life cycle cost estimation and environmental valuation of coal mine tailings management. *Journal of Sustainable Mining*
- ADIANSYAH, J.S., 2017. Alternative Tailings Disposal: are they improving mine tailings management performance?. *Australian Resources and Investment*, 11, 40-41.
- ADIANSYAH, J.S., 2016. Comparing Carbon Footprint of Two Different Technologies in Mine Tailings Management: a life cycle assessment perspective, Brunei International Conference on Engineering and Technology, University Technology Brunei.
- ADIANSYAH, J. S., ROSANO, M., VINK, S., KEIR, G. & STOKES, J. R. 2016. Synergising Water and Enregy Requirement to Improve Sustainability Performance in Mine Tailings Management. *Journal of Cleaner Production*, 133, 5-17.
- ADIANSYAH, J. S., ROSANO, M., VINK, S. & KEIR, G. 2015. A Framework for a Sustainable Approach to Mine Tailings Management: disposal strategies. *Journal of Cleaner Production*, 108, 1050-1062.

BAMBANG, S., ADIANSYAH, J.S., 2013. Carbon Stock Estimation at Mining Reclamation Area: Case Study PT Newmont Nusa Tenggara, *Lingkungan Tropis Journal*, 7, 1-9.

ADIANSYAH, J.S., 2011. Pipeline Program CDM di Indonesia: Sebuah Peluang dan Tantangan untuk Industri Pertambangan, *Jurnal TeknoSains, Universitas Gadjah Mada*, 1, 7-15.

