



Radiana Triatmadja

Description



1. NAME:

Radiana Triatmadja – Prof. (Professor)

2. EDUCATION:

Degree	Discipline	Institution	Year
Ph. D.	Civil Engineering-Hydraulics	University of Strathclyde, UK	1995
Ir. (B.Eng.)	Civil Engineering-Hydraulics	Universitas Gadjah Mada, Indonesia	1978

3. ACADEMIC EXPERIENCE:

Dates	Rank	Institution	FT
2009	Professor	Universitas Gadjah Mada, Indonesia	FT
2001	Assistant Professor	Universitas Gadjah Mada, Indonesia	FT
1986	Instructor	Universitas Gadjah Mada, Indonesia	FT

4. NON- ACADEMIC EXPERIENCE:

- Consultant, Indonesian Railways Company, 2012
- Expert and reviewer, Ministry of Transportation, Republic Indonesia, 2011 – 2014
- Expert and reviewer, Ministry of Finance of Republic Indonesia, 2013
- Expert and reviewer, Institute Behavioral Science Foundation, Japan, 2010 – 2012

5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:

N/A



6. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- HATHI (*Himpunan Ahli Teknik Hidraulik Indonesia*/Indonesian Association of Hydraulic Engineers)
- TSI (Tsunami Society International)
- IAHR (International Association for Hydro-Environment Engineering and Research)
- TRG-UGM (Tsunami Research Group Universitas Gadjah Mada)

7. HONORS AND AWARDS:

- Best Paper: *Tsunami Run-Up on Sloping Beach Based on Dam Break System* Presented in International Seminar of HATHI, 2013
- Best Paper: *The Development Of Concrete Filter For Drinking Water Filtration*, Presented in 5th International Seminar of HATHI, 2013
- Best Paper: *Numerical Simulation of Tsunami Force on High Building Using SPH*, Presented in 4th International Seminar of HATHI, 2013
- Best Paper: *Two Dimensional Numerical Modeling of Suspended Sediment Transport Using Multi Layered Characteristic*, Proceedings Eleventh Congress of The Asia and Pacific Division of The International Association for Hydro-Environment Engineering and Research, Yogyakarta, 1998.

8. SERVICE ACTIVITIES:

- Coastal Engineer – Feasibility Study of PLTU Sumbawa 2 (2x50 MW), PT PLN 2017
- Team Leader – Design of Papua 2 Power Plant (PLTU) Intake channel, PLNE, 2016
- Coastal Engineer – Task Force on Flood Hazard Analysis, Department of Public Work of Indonesia, 2014

9. PUBLICATIONS/PRESENTATIONS:

- “Numerical Simulation of Sediment Transport along a Channel with Underwater Sill”; Nurul; Kironoto. B.A. *Proceedings of 4th International Seminar of HATHI*, Elsevier, 2017
- “Numerical Modeling of Landslide and Landslide Generated Waves in Reservoir”; A. Nurul.; Benazir. *The 37th IAHR World Congress*, August 13 – 18, 2017, Kuala Lumpur, Malaysia, 2017
- “A Study on Scouring Around Row of Cylinders Piles Due to A Tsunami Surge”; Kuswandi, Benazir; D. Banggana. *Proceedings of 11th International Association For Hydro-Environment Engineering and Research Asia and Pacific Division Congress*, Colorado Springs, 2016
- “Model of Tsunami Preparedness for Indonesian Tsunami Prone Areas Communities”; Nurhayati. A.; S. Wimbarti; *Journal of Disaster Research* 10 No. 5, 2015
- “Numerical Simulations of an Evacuation from a Tsunami at Parangtritis Beach in Indonesia”. *Science of Tsunami Hazards* 33(1):50-66 February 2015
- “Evaluation of Tsunami Evacuation Routes At Bengkulu City Indonesia Using Numerical Simulation”; S.S. *ASEAN Engineering Journal Part C* Vol. 3 No. 2 December 2014 (CE/EneE/GeoE and ND), 2014
- “Simulation of Tsunami Force on Rows of Buildings in Aceh Region after Tsunami Disaster in 2004”; *Science of Tsunami Hazards* Vol. 33 Number 3 (2014), pp. 156-169, Tsunami Society, 2014
- “Simulation of Sand Dune as a Tsunami Protection”. *Proceedings of 19th IAHR-APD Congress Vietnam*, 2014.
- “Theoretical Approach of Long Shore Current Reduction Coefficient through Permeable Groin”. *Proceeding PIT HATHI*, 2013.
- “Numerical Simulation of Tsunami Force on Building Using Smoothed Particles Hydrodynamics”. *Proceedings 4th International Seminar of HATHI*, 2013.
- “Lift up Force on Concrete Blocks due to Tsunami”. *Proceedings 4th International Workshop on Multi Modal Sediment Transport*, 2013.

10. PROFESSIONAL DEVELOPMENT:

N/A