



1. Personal Data	
Name: Marisa Handajani	Date and Place of Birth: July 15 th , 1972, Jakarta – Indonesia
Nationality: Indonesian	Gender: Female
Department, faculty, university: Environmental Engineering Department, Faculty of Civil & Environmental Engineering, Institut Teknologi Bandung	
Title of position held: Assistant Professor	Address: Jl Ganesha No 10, Bandung 40132
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2. Educational Qualifications				
2-1. Academic Qualification (Repeat as necessary)				
<ul style="list-style-type: none"> • Dr.-Ing, Biological Engineering and Wastewater Biotechnology, Karlsruhe Institute of Technology, Germany (April 2001-July 2004) • Magister Teknik (MT), Environmental Control Engineering, Department of Environmental Engineering, Institut Teknologi Bandung (August 1997 – July 2000) • Sarjana Teknik (ST), Department of Environmental Engineering, Institut Teknologi Bandung (July 1991 - April 1996) 				
2-2. Academic Experience				
<ul style="list-style-type: none"> • Assistant Professor at Environmental Engineering, ITB, 2004-now, Full Time 				
2-3. Non Academic Experience				
Company or Entity	Title	Brief Description of Position	Year	Full/ Part Time
PT. LAPI and LAPI Institute	Environmental Engineer			Part Time
2-4. Certification or Professional Registrations				
Certified Lecturer in Higher Education from the Indonesian Ministry of Research, Technology, and Higher Education				

2-5. Current Membership in Professional Organizations

- Indonesian Society of Sanitary and Environmental Engineers, 1997-now
- GAWN (Germany Alumni for Water Network)
- CKNet-INA (Collaborative Knowledge Network Indonesia) for Water Resources Management

2-6. Honors and Awards

Satya Lancana Karya Satya, from President of Republik of Indonesia

2-7. Service activities:

Head of Master Program Environmental Engineering

2-8. Research Experience

Number of years of experience in the field related to the project:

20 years

Field of specialization:

Biological Process for wastewater treatment

2-9. Research Achievements**List of Major Publications within 5 years:**

- Aini Zahra, **Marisa Handajani**, “*Nitrification Kinetics in Aquaculture Wastewater Treatment Using Batch Reactor*”, The 5th Environmental Technology and Management Conference “Green Technology towards Sustainable Environment” November 23 - 24, 2015, Bandung, Indonesia.
- Zahra, A. and **Handajani, M.** (2015) : “*Nitrification Kinetics in Aquaculture Wastewater Treatment Using Batch Reactor*”, The third Joint Seminar of Japan and Indonesia Environmental Sustainability and Disaster Prevention (3rd ESDP-2015), ITB, Indonesia, November 25th, 2015.
- Butar Butar, E.S., Sabar, A. and **Handajani, M.** (2015) : “Sustainable Urban Drainage System to Land Use / Land Cover Change in Samarinda, Indonesia”, *Applied Mechanics and Materials*, Vol. **747** (2015) pp 371-374.
- Yulianto, A., Soewondo, P., **Handajani, M.** dan Arisyady, H.D. (2015) : “ Tinjauan Literatur Pengolahan Air Limbah dengan Biomassa Granular Aerobik pada Mode Operasi Kontinu ”, *Jurnal Sains dan Teknologi Lingkungan*, Vol. **7**, No.2, Juni 2015, Hal. 84-94, ISSN 2085-1227
- Andrio,D., Syafila, M., **Handajani, M.** dan Natalia, D. (2015) : “Pengaruh Pengendalian pH Terhadap Pembentukan Etanol dan Pergeseran Produk Asidogenesis dan Fermentasi Limbah Cair Industri Minyak Sawit”, *Jurnal Manusia dan Lingkungan*, Vol. **22**, No. 1, Maret 2015
- **Marisa Handajani** “*Studies on the Degradation of Color Mechanism of Photocatalytic Processing Textile WWTP Effluent Using TiO₂ nanofiber Composite Catalysts Terimmobilisasi*”, Grant Ceremony & Seminar Research Findings Assised by The Asahi Glass Foundation 28 Juni 2013.
- Soewondo, P., Febriana, A., **Handajani, M.** and Firdayati, *Feces Treatment by Lactofermentation Process and Future Perspectives of TERRA PRETA SANITATION CONCEPT in Indonesia, Prosiding 1st International Conference on TPS*, 28-31 August 2013, TU-Hamburg Harburg, Jerman

Research Activities:

- 2015, Optimization of Formation Path of Ethanol with N₂ Flushing and Addition of Metal Ions Fe²⁺ and Zn²⁺ to Acidogenesis Process of High Concentration Organic Wastewater, DIKTI Grant
- 2014, The Ethanol Production from High Organic Containing Wastewater (Study case: Palm Oil Industry Wastewater), Hibah DIKTI, (PI)

- 2014, The Performance of MBBR for Domestic Wastewater (Study case: WWTP Bojongsoang, West Java, Indonesia), ITB Innovation Research Fund (Research Team Member)
- 2013, Application of Constructed Wetland for Tofu Industry Wastewater, ITB Community Service Fund, (PI)

Other relevant information :

Latest Professional Activities:

- Drainage Engineer, for Environmental Study in Gelora Bung Karno - National Sport Stadium Area, (LAPI ITB). 2014.
- Drainage Engineer, for Environmental Study in National Palace Area, (LAPI ITB). 2013.