



1. Personal Data	
Name: Mayrina Firdayati	Date and Place of Birth: May 6 th , 1973, Rantau (Aceh) – Indonesia
Nationality: Indonesian	Gender: Female
Department, faculty, university: Environmental Engineering Department, Faculty of Civil & Environmental Engineering, Institut Teknologi Bandung	
Title of position held:	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"> • Undergraduate Program: Biology, ITB, 1997 • Master's Program: Environmental Engineering, ITB, 2001 • PhD candidate (external student), Water Sanitation, Technical University Hamburg-Harburg, Hamburg, Germany. 				
2-2. Academic Experience				
<ul style="list-style-type: none"> • 1997 – 1998 : Program Manager of NGO Biosciences and Biotechnology Developing Foundation • 1999 – present : Academic Staff of Environmental Engineering Department, Institut Teknologi Bandung, Indonesia. • 2015 – present : Associate expert in Centre for Resource Efficient and Cleaner Production Indonesia (CRECPI), Bandung, Indonesia 				
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				
2-5. Current Membership in Professional Organizations				
2-6. Honors and Awards				

2-7. Service Activities

2-8 Research Experience

Field of specialization:

2-9 Research Achievements

List of Major Publications within 5 years:

1. Soewondo, P., Febriana, A., Handajani, M., **Firdayati, M.** 2013. *Faeces Treatment by Lactic Fermentation Process and Future Perspectives of Terra Preta Sanitation Concept in Indonesia*. Terra Preta International Conference, August 29-31, 2013, TUHH Hamburg, Germany. Available in <http://www.terra-pretas-sanitation.net/downloads>.
2. Febriana, A., Soewondo, P., Handajani, M., **Firdayati, M.** 2012. *Effect of Glucose Addition on Faeces Treatment Based on Terra Preta Sanitation System Concept*. Proceeding of The 5th AUN/SEED-Net Regional Conference on Global Environment, November 21-22, 2012, Bandung, Indonesia.
3. Soewondo, P., Febriana, A., Handajani, M., **Firdayati, M.** 2012. *Effect of Mixing Water Ratio on Feces Treatment Based On Terra Preta Sanitation System Concept*. Proceeding of The 5th ASEAN Civil Engineering Conference (ACEC), The 5th ASEAN Environmental Engineering Conference (AEEC) and the 3rd Seminar on Asian Water Environment, October 25-26, 2012, Ho Chi Minh City, Vietnam.
4. **Firdayati, M.**, Indiyani, A., Prihandrijanti, M., Otterpohl, R. 2011. *Greywater Treatment System as New Solution for Urban Wastewater Problem in Indonesia*. Proceeding of IWA International Conference Cities of the Future Xi'an, September 15-18 2011, Xi'an, China.
5. Prihandrijanti, M., **Firdayati, M.** 2011. *Current Situation and Consideration of Domestic Wastewater Treatment Systems for Big Cities in Indonesia (Case Study : Surabaya and Bandung)*. Journal of Water Sustainability 1(2): 97-104.
6. Prihandrijanti, M., **Firdayati, M.** 2011. *Domestic Wastewater Treatment System for Big Cities in Developing Countries (case study : Surabaya and Bandung, Indonesia)*, Proceeding of IWA International Conference Cities of the Future Xi'an, September 15-18 2011, Xi'an, China.
7. **Firdayati, M.**, Handajani, M., Buzie C., Otterpohl, R. 2010. *Greywater Reuse for Green Vertical Garden : Possible or Impossible (Case Study : Bandung City , Indonesia)*. Proceeding of 1st International Conference on Sustainable Urbanization. December 15-17, 2010, Hong Kong, China
8. Dewi, O.C., **Firdayati, M.**, Koerner, I., Otterpohl, R. 2010. *The Green Palisade Concept: a scenario of waste and wastewater as resources city*. Proceeding REAL CORP 2010. May 18-20, Vienna , Austria.
9. Prihandrijanti, M., Malisie, A., **Firdayati, M.**, Otterpohl, R. 2009. *Ecosan as Alternative for Sustainable Domestic Wastewater Management System*. Proceeding of 1st International Conference on Sustainable Infrastructure and Built Environment in Developing Countries (SIBE), November 2009, Bandung, Indonesia

Research within 5 years:

1. **Center for Resource Efficient and Cleaner Production Indonesia (CRECPI)**, Indonesia. **Associate Expert, 2015- present.** National RECP Programme , RECP Assessment on Rice Milling Units in West Java, Indonesia
2. **Institut Teknologi Bandung**, Bandung, Indonesia. **Member of Research Team**, 2011-2012. Developing Terra Preta Sanitation Process in Indonesia
3. **Technical University Hamburg-Harburg**, Hamburg, Germany. **Graduate Student** with Prof.Dr.Ing-Ralf Otterpohl, 2009-present. Greywater Treatment and Reuse for Irrigation in Densely Urban and Peri Urban Area
4. **Institut Teknologi Bandung**, Bandung, Indonesia. **Member of Research Team**, 2006-2008. Development of Small Wastewater Treatment Plant with Low Consumed Energy (Modification of Anaerobic Baffled Reactor and Constructed Wetland)
5. **Institut Teknologi Bandung and BPLHD (Environmental Management Agency of West Java Province)** Bandung, Indonesia. **Member of Research Team**, 2006-2007. Hydrobiology (water quality) study of Cisanti Lake and Citarum River in West Java: Ciliwung River in West Java and Jakarta
6. **Institut Teknologi Bandung**, Bandung, Indonesia. **Member of Research Team**, 2004-2005. Domestic Wastewater Treatment using Wetland System with Mendong, *Fimbristylis globulosa*
7. • **Institut Teknologi Bandung**, Bandung, Indonesia. **Member of Research Team**, 2004-2005. Wastewater and Solid Waste from Aren (*Arenga pinata*) Flour Industry.

Other relevant information:

Professional Activities