



1. Personal Data	
Name: Emenda Sembiring	Date and Place of Birth: July 5 <sup>th</sup> , 1974, Medan – Indonesia
Nationality: Indonesia	Gender: Female
Department, faculty, university: Environmental Engineering Department, Faculty of Civil & Environmental Engineering, Institute of Technology Bandung	
Title of position held: Associate Professor	Address: Jl.Ganesha 10 Bandung
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2. Educational Qualifications				
<b>2-1. Academic Qualification (Repeat as necessary)</b>				
<ul style="list-style-type: none"> <li>Degree: <b>PhD</b>, Urban Environmental Management, School of Environment and Regional Development, Asian Institute of Technology (2010)</li> <li>Degree: <b>Master Engineering Science (M.EngSc)</b>, The International Technology Center (IDTC), Civil and Environmental Engineering, The University of Melbourne, Australia (2003)</li> <li>Degree: <b>Master Engineering of Industrial Management Engineering (MT)</b>, The Department of Industrial Engineering, Bandung Institute of Technology, Indonesia (2001)</li> <li>Degree: <b>Bachelor of Environmental Engineering (ST)</b>, The Department of Environmental Engineering, Bandung Institute of Technology, Indonesia (1998)</li> </ul>				
<b>2-2. Academic Experience</b>				
Assistant Professor in Environmental Engineering, Institut Teknologi Bandung (ITB), Indonesia				
<b>2-3. Non Academic Experience</b>				
Company or Entity	Title	Brief Description of Position	Year	Full/ Part Time
PT. LAPI and LAPI Institute	Environmental Engineer			Part Time
<b>2-4. Certification or Professional Registrations</b>				
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 (IATPI), member (1998-Present)
- Indonesian Solid Waste Management Expert Association (InSWA), member (2010-present)

**2-6. Honors and Awards**

Satya lencana Karya Satya (10 years), Indonesian President, August 2013

**2-7. Service activities:****2-8. Research Experience**

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

18 years

Field of specialization:

Solid Waste Management and Technology

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

- **Emenda Sembiring**, Yufiendia Novitasari, Degradation of Degradable Plastics on Several Solid and Liquid Media, The 3rd of Japan and Indonesia Joint Seminar, Environmental Sustainability and Disaster Prevention (ESDP), 25 November 2015
- Ayu Listiani, **Emenda Sembiring**, Evaluation of Expanded Polystyrene (EPS) Plastics Waste Utilization as an asphalt Substitution Material in Asphalt concrete- wearing course layer. 5th Environmental Technology and Management Conference (ETMC)2015, 23-24 November 2015.
- Suhenra Maulana, **Emenda Sembiring**, “Valuation of Flood by Means of Damage and Loss Method Case Study Baleendah District-Bandung Regency”, 5th Environmental Technology and Management Conference (ETMC)2015, 23-24 November 2015.
- Wilma Nurrul Adzillah, **Emenda Sembiring**, Marisa Handajani, Alternative Selection of Waste Water Treatment in Depok City Using Dependence and Driving Power Analysis (DDPA) and Analytic Network Process (ANP) Method, 5th Environmental Technology and Management Conference (ETMC)2015, 23-24 November 2015.
- Syarifah Melly Maulina and **Emenda Sembiring**, An Analysing Of Community’s Ability And Willingness To Pay For Drinking Water Supply System At Coastal Area(A Case Study At Telok Batang District, Kayong Utara Regency, West Borneo Province, 5th Environmental Technology and Management Conference (ETMC)2015, 23-24 November 2015.
- **Emenda Sembiring**, Disa Sasta Fathia, “Factors that affect Society’s and Retailer’s intention to reduce a plastic bag use in Bandung”,2nd International Waste Working Group-Asian Region Branch (IWWG-ARB) Symposium, 13-14 April 2015, Shanghai, China
- Suhenra Maulana, **Emenda Sembiring**, Valuation of Flood by Means of Damage and Loss Method Case Study: Baleendah District – Bandung West Java, The 2nd of Japan and Indonesia Joint Seminar, Environmental Sustainability and Disaster Prevention (ESDP) Bali, 22-23 Maret 2015

**Research Experience within 5 years:**

1. Principal Investigator on Policy analysis on using degradable plastics, focusing on degradable plastic bag, Funded by Ministry of Education, Directorate Higher Education (Amount 7,500 USD), 2014

2. Principal Investigator on Policy analysis and Influencing factor of community to reduce plastics waste, Funded by Ministry of Education, Directorate Higher Education (Amount 7,500 USD), 2013

**Other relevant information:**

**Professional Activities**

1. Technology for Nambo Landfill Site, West Java Regional Waste Bureau, as Solid waste expert, Jun 2015- present
2. Technology chosen for LegokNangka Landfill site, West Java Regional Waste Bureau, as Solid waste expert, Oct 2014 – Jan 2015
3. Solid Waste Master plan, PT Freeport, as Solid waste expert, Jan- Mar 2015
4. Instructor at Dissemination of technical work, Ministry of public Work, 2012
5. The Work for Waste Composition and Recycling Activities, Ministry of Environment-JICA, as Solid waste expert, July- Aug 2012