



1. Personal Data	
Name: Kania Dewi	Date and Place of Birth: August 28 th , 1972, Bandung – 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
Tel. +62 22 2502647 Fax. +62 22 2530704	E-mail: kaniadewi_itb@yahoo.com

2. Educational Qualifications				
2-1. Academic Qualification (Repeat as necessary)				
2004 : <i>Dr. mont, Doctoral Degree</i> , Institut für Verfahrenstechnik des Industriellen Umweltschutzes, Montanuniversität Leoben Austria, Dissertation title: Mass Transfer Investigation in Suspension Droplets in Flue Gas Desulphurization,(2004) http://www.unileoben.ac.at/ , http://www.vtiu.com/				
2000 : <i>MT, Master Degree</i> , Post Graduate Program, ITB, Environmental Engineering, ITB				
1996 : <i>ST, Bachelor Degree</i> , Department of Environmental Engineering, Faculty of Civil and Environmental Engineering, ITB Indonesia				
2-2. Academic Experience				
Assistant Professor at Environmental Engineering ITB, 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		1997- now	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				
<ul style="list-style-type: none"> Member of Editorial Board of ASEAN Engineering Journal (ASEAN E.J), 2011 				

- Member of Technical Support for Research and Development Centre of Infrastructure Settlement, Ministry of Public Work, 2009-2011
- Indonesian Society of Sanitary and Environmental Engineers, 1997-now

2-6. Honors and Awards

Satya Lancana Karya Satya, from President of Republik of Indonesia

2-7. Service activities

2-8. Research Experience

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

20 years

Field of specialization:

Air Quality Control and Management

2-9. Research Achievements

List of Major Publications within 5 years:

- **Kania Dewi**, Astri Rinanti, Dea Indriani Astuti, Nico Halomoan, "Preliminary Study on Biomitigation Green House Gas Carbon Dioxide in Closed System Bubble Photobioreactor: Relationship Among the Mass Transfer Rate and CO₂ Removal Efficiency in High Level of CO₂", *Jurnal Teknologi, UTM Press*, (2014), E-ISSN 2180-3722
- Astri Rinanti, Edwan Kardena, Dea Indriani Astuti, **Kania Dewi** "Improvement of Carbon Dioxide Removal Through Artificial Light Intensity and Temperature by Constructed Green Microalgae Consortium in a Vertical Bubble Column Photobioreactor", *Malaysian Journal of microbiology*, hal. 29-37, Vol **10**, Number 1, March 2014, ISSN 1823-8262
- Astri Rinanti, Edwan Kardena, Dea Indriani Astuti, **Kania Dewi**, 2014 "Carbon Dioxide Fixation by Co-Culture Green Microalgae Through Overall Volumetric Mass Transfer Coefficient (K_{La}) of Carbon Dioxide in Closed System" *Asian Journal of Microbial Biotechnology, Environmental Science* Vol. 16 No. (2): 2014: 253-258 ISSN-0972-2005

Research within 5 years:

- Main Researcher, Inventory of Mercury Emission in Indonesia Using UNEP Toolkit Level 2, US Departement of State – Balifokus, 2016
- Main Researcher, Study of Emission Threshold Level in Fertilizer Industry, Ministry of Environment and Forestry, 2016
- Main Researcher, Controlling of CO₂ Using Microalga Fotobioreactor, Preliminary Study of Carbon Trading, Dikti Funding, 3rd year, 2015
- Main Researcher, Development of Practical Correction in Ambient Air Sampling Time, ITB, 2015
- Investigating Impact of Coal Fired Power Plant to the Ambient Air Quality, ITB Innovation Research, Position: Principal Investigator, 2014

Other relevant information:

Latest Professional Activities:

1. Trainer
Air Quality Expert, Trainer of Basic Environmental Impact Assessment, PSLH ITB (2016)
2. Environmental Quality Management
Air Quality Expert, Team Leader, Development of West Java Air Quality Management Master Plan (2015)
3. Air Quality Modelling

Air Quality Modelling Expert, Modelling of Nickel Emission from Nickel Mine Activity in Weda Bay, Environmental Resource Management (ERM), 2013

4. Environmental Impact Assessment

Air Quality Expert, Enhancement of Adaro Coal Mine Capacity, PT LAPI, 2014

5. Environmental Quality Monitoring

Paiton Energy Company, Air Quality Monitoring Operational Phase TU Batubara Paiton Unit 7 & 8 (Situbondo Jawa Timur), PT Sucofindo Prima Internasional Konsultan (PT Sprint Consultant), 1998-now