



1. Personal Data	
Name: Herto Dwi Ariesyady	Date and Place of Birth: April 9 th , 1973, Bandung – Indonesia
Nationality: Indonesia	Gender: Male
Department, faculty, university: Environmental Engineering Department, Faculty of Civil & Environmental Engineering, Institut Teknologi Bandung	
Title of position held: Associate Professor	Address: Jl. Ganesa No. 10 Bandung 40132
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2. Educational Qualifications
2-1. Academic Qualification (Repeat as necessary)
<ul style="list-style-type: none"> • Doctor of Philosophy (Ph.D.) in Urban Environmental Engineering, Specialized in Environmental Microbiology, Hokkaido University, Japan, 2007 • Master (MT) in Environmental Engineering, Specialised in Environmental Toxicology, Institut Teknologi Bandung, Indonesia, 2000 • Bachelor/Sarjana Teknik (ST) in Environmental Engineering, Faculty of Civil Engineering and Planning, Institut Teknologi Bandung, Indonesia, 1996
2-2. Academic Experience
<ul style="list-style-type: none"> • Head of Environmental Engineering Department, Institut Teknologi Bandung, January 2012-January 2016 • Associate Professor at Faculty of Civil and Environmental Engineering, Institut Teknologi Bandung September 2010-present • Vice Head of Security, Health, Safety and Environment Unit at Institut Teknologi Bandung March 2010-February 2012 • Head of Industrial Hygiene and Toxicology Laboratory, Institut Teknologi Bandung Apr 2007-present • Visiting Researcher at Graduate School of Engineering, Hokkaido University Japan Jan. 2007-Feb. 2007 • Researcher at Industrial Hygiene and Toxicology Laboratory, Environmental Engineering Department, Institut Teknologi Bandung 1996 – present

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

2-6. Honors and Awards

- The exemplary lecturer in the research activity at Institut Teknologi Bandung, 2012.
- Satyalancana Karya Satya X Tahun, from the President of the Republic of Indonesia, 9 August 2010.

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:

Environmental Microbiology, Environmental Health and Toxicology, Urban Water Management

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

1. **Herto Dwi Ariesyady** and Amalia Rahmani (2015). Diversity of Nitrogen Cycling Bacteria as A Bioindicator of Domestic and Industrial Waste Pollution In Upstream Citarum River Sediment. The Fifth Environmental Technology and Management Conference (ETMC-2015), Bandung-Indonesia, November 23-24, 2015.
2. Laurentia M. S. Widyawati, **Herto Dwi Ariesyady**, Mochammad Chaerul (2015). Study of Seasonal Variation on Leachate Contamination to Shallow Groundwater: A Case Study: Burangkeng Landfill Site, Bekasi. The Fifth Environmental Technology and Management Conference (ETMC-2015), Bandung-Indonesia, November 23-24, 2015.
3. **Herto Dwi Ariesyady**, Rifka Fadilah, Kurniasih, Aminudin Sulaeman and Edwan Kardena (2013). The Analysis of Relationship of Physico-chemical Properties of Wastewater and the Microalgae Diversity and Abundance in Bojongsoang Wastewater Treatment Plant. The Second International Conference on Sustainable Infrastructure and Built Environment (SIBE-2013), Bandung-Indonesia, November 19-20, 2013.
4. Tsukasa Ito, Kazumi Yoshiguchi, **Herto Dwi Ariesyady** and Satoshi Okabe (2011). Identification of a novel acetate-utilizing bacterium belonging to Synergistes group 4 in anaerobic digester sludge. *International Society on Microbial Ecology (ISME) Journal*, **5 (12)**, pp 1844-1856.

Research Activities:

- The Development of Strategy on Water Resources Conservation through the Evaluation of Water Resources Carrying Capacity in Java Economy Corridor as the Center of Industrial Development in Indonesia. The Higher Education General Directorate, Ministry of Research, Technology and Higher Education, Republic of Indonesia, 2015.
- Sustainable Water and Wastewater Management in Oxbow Lake Area of Citarum River, West Java. Research and Community Service Institution ITB, 2015.

- Microbial Biodiversity and Functionality in Citarum River Sediment (at a Gradient of Pollution). Collaboration Research with Radboud University and Deltares, The Netherlands, 2014-2015.

Other relevant information:

Latest Professional Activities:

1. Assessment of Blast Furnace Wastewater Treatment Using Biological Processes at PT Krakatau Steel Indonesia, Cilegon, Banten, 2015, Team Leader
2. Assessment of Paint Wastewater Treatment Using Indigenous Microbes at PT Showa Indonesia, Cikarang, West Java, 2014, Team Leader
3. Environmental Survey of PT Pertamina, South Sumatera, South Sumatera, 2012, Team Leader
4. Environmental Survey of the Chip/Pulp Mill Special Port Master Plan in Jenebora, Kabupaten Penajam Paser Utara, East Kalimantan Province, East Kalimantan, 2012, Team Leader