



1. Personal Data	
Name: Qomarudin Helmy	Date and Place of Birth: November, 15 th , 1977, Pati – Indonesia
Nationality: Indonesian	Gender: Male
Department, faculty, university: Environmental Engineering Department, Faculty of Civil & Environmental Engineering, Institut Teknologi Bandung	
Title of position held: Researcher, Lecturer	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"> • Doctoral-, Environmental Engineering Department Water and Wastewater Treatment Technology, Institut Teknologi Bandung, 2010 • Research sandwich program, Hokkaido University-Japan, 2009 • Master-, Environmental Engineering Department Water and Wastewater Treatment Technology, Institut Teknologi Bandung, 2006 • Undergraduate, Mathematics and Basic Science Faculty Majoring in Environmental Biology, Sriwijaya University, 2001 				
2-2. Academic Experience				
<ul style="list-style-type: none"> • Assistant Professor at Environmental Engineering, ITB, 2010-now, Full time • Researcher at Water and Wastewater Research Group, Environmental Engineering, Institute of Technology Bandung, 2010-now 				
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				
2008-now : Indonesian Society of Microbiology (PERMI)				
2009-now : International Water Association (IWA)				

2-6. Honors and Awards**2-7. Service activities:****2-8. Research Experience**

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

10 years

Field of specialization:

Wastewater Engineering

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

- Rudy Laksmono, W., **Qomarudin Helmy** and Edwan Kardena. (2015): “Removal of heavy metal ions from metal finishing industrial wastewater by chemical treatment- a full scale wastewater treatment plant retrofitting case study”. The 3rd Bali International Seminar on Technology 15 – 17 October 2015, Bali Indonesia.
- **Helmy, Q.** and Kardena, E. (2015) : “Petroleum Oil and Gas Industry Waste Treatment; Common Practice in Indonesia”, *Journal of Petroleum & Environmental Biotechnology*, 6:241.
- **Helmy, Q.**, Laksmono, R. and Kardena, E. (2015) : “Bioremediation of Aged Petroleum Oil Contaminated Soil : From Laboratory Scale to Full Scale Application”, *Journal Procedia Chemistry*, Vol. 14: 326-333.
- Sri Gustiani, **Qomarudin Helmy**, Suprihanto Notodarmojo. (2015): “Treatment of **textile** wastewater by uv/zno nanoparticle as an advanced oxidation process”. The 5th Environmental Technology and Management Conference “Green Technology towards Sustainable Environment” November 23 - 24, 2015, Bandung, Indonesia
- Kardena, E., **Helmy, Q** and Funamizu, N. (2014): Biosurfactant and Soil **Bioremediation**. *Book Chapter in Biosurfactants: Production and Utilization-Processes, Technologies, and Economics*, CRC Press-Taylor & Francis Group.
- **Helmy, Q.**, Kardena, E., Funamizu, N and Wisjnuaprpto. (2011): Strategies toward Commercial Scale of Biosurfactant Production as Potential Substitute for It’s Chemically Counterparts. *International Journal of Biotechnology*, Vol. **12** (1/2): 66-86

Research Activities:

- Pilot Scale Installation of Textile Wastewater Treatment Plant Using Advanced Oxidation Processes (AOPs)-Membrane for Process Water Re-Use, ITB Innovation Research, 2015
- Mycoremediation of Aged/ Persistent Petroleum Hydrocarbon Contaminated Soil: A Pilot Scale Project, ITB Innovation Research, 2014
- Clean Water Treatment Installation 20 L/min Scale to Support Drink Water Provision for Community Around Saung Ujo, Bandung, Research and Community Service Institution ITB, 2013
- Installation of “Wastewater Garden” in Implementation of Green Infrastructure Concept on Apartment Building. Case study: Reuse of Apartment Laundry Used Water Using Nano Zinc-Okside Tech. as Pretreatment Process, ITB Grant, 2013

Latest Professional Activities:

- Masterplan of Solid Waste Management in Low-Land Area, PT. Freeport Indonesia, 2015
- Planning of Sanitation Handling in Jatiluhur Watershed, PPLP PUPera, 2015
- Consultancy on Evaluation and Improvement of WWTP, PT. Jindal Stainless Indonesia, 2015

- SSPLT Oil Sludge Contaminated Soil, PT. Pertamina Tanjung Uban, 2015
- SSPLT Crude Oil Contaminated Soil, Total E&P Indonesia, 2015
- Sewage Treatment Plant Performance Audit, VICO Indonesia, 2015
- Study of Surface Water in Mount Salak, Chevron Geothermal Salak, Ltd., 2015
- Waste Water Treatment Plant Performance Audit, Yasulor L'oreal, Cikarang, 2014
- Sewage Treatment Plant, Master Plan, PPLP Riau Islands Province, 2014
- Sewage Treatment Plant, Master Plan, PPLP Jambi Province, 2014
- Assessment Sumber Kontaminasi dan Uji Anti Mikroba, PT. Aristek Highpolymer, 2014