



PERSONAL DETAILS

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| 1. NAME | : | Warmadewanthi |
| 2. HOME ADDRESS | : | Jl. Wiguna Tengah XI/1 Surabaya - 60294, INDONESIA |
| | Telp | : ## - 62 - 31 - 8713594 (H)
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| | Email | : warma@its.ac.id ; or
warmaputu@gmail.com |
| 3. PRESENT POSITION | : | Head of Centre of Excellent for Infrastructure and Sustainable Environment, ITS |
| 4. DATE OF BIRTH | : | February, 12, 1975 |
| 5. NATIONALITY | : | Indonesian |
| 6. MARITAL STATUS | : | Married |
| 7. EXPERTISE AND INTEREST | : | Solid waste management and technology
Wastewater treatment and separation process
Wastewater management |

ACADEMIC AND PROFESSIONALISM

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| 1. ACADEMIC QUALIFICATIONS | | : |
| 2005 - 2009 | Doctor of Philosophy (Chemical Engineering), National Taiwan University of Science and Technology (NTUST) | |
| | Focus: Study Recovery and Separation of Ammonium and Phosphate from Semiconductor Wastewater | |
| | Promotor: Prof. J.C.Liu | |
| 2001 - 2003 | Master of Engineering (Environmental Engineering), Bandung Institute of Technology (ITB), Indonesia | |
| | Focus: Design and Evaluation of Landfill Mining and Reclamation | |
| | Promotor: Prof. Dr. Ir. Endri Damanhuri | |
| 1993-1998 | Environmental Engineer, Institut Teknologi Sepuluh Nopember (ITS) | |
| | Focus: Enhancing Composting Process by Addition of Oxygen | |
| | Promotor: Ir. Sony Soenarsono, MS | |

2. SUMMARY OF WORK EXPERIENCE

- As a senior lecturer, she has a higher degree of experience in training and research activities; coupled with experience in senior institutional level as the Secretary of Department of Environmental Engineering, Head of Department of Environmental Engineering, Vice Dean of Civil Engineering and Planning Faculty of ITS from 2016-2017, and Dean of Faculty of Civil, Environmental and Geo-Engineering during 2017-2019, and now with the position as a Head of Centre of Excellence for Infrastructure and Sustainable Environment, ITS, mainly on leading, strategic planning, managing and controlling.

- Furthermore, she keeps her continual commitment towards the capacity building in infrastructure of urban and regional development by the Ministry of Public Works and Human Settlement of Indonesia, as certified facilitator, resource person, advisor, including for the curriculum development for national staffs training since 2009 in the Center for Education and Training. In 2015-2017, she pointed as a TEAM LEADER for Indonesian Team Leader, Netherlands Initiative for capacity development in Higher Education (NICHE), Capacity Building for High Standard Education and Training Programmes for the Water Supply and Sanitation Sector in Indonesia, NICHE/IDN/186.
- For research capability, she has many research collaborations for solid waste, water and wastewater treatment and management. In recent, the collaboration with IRD French and Hanoi Architecture University worked for solid waste management and mapping of actors that related to recycling process, such as dong-nat (waste picker) in Vietnam, waste bank in Indonesia and etc. This part on scenario on government policy for enhancing of solid waste reduction at sources.
- Proven track in leading for many capacity building programs in local, provincial and national levels, achievement as the certified facilitator and expert who has also a competency in know-how on programme design, planning, management, participatory monitoring & evaluation in wastewater and solid waste sectors. Including having good networks with national and local governments and non-governmental and civil society organisations, in various countries.

3. MEMBERSHIP OF PROFESSIONAL SOCIETIES :

- IATPI (Indonesian Association of Sanitary and Environmental Engineers)
- PII (Indonesia Association of Engineer)
- Member of Research Center for Environment and Human Settlement, ITS, Surabaya

4. PUBLICATIONS (3 years):

1. Warmadewanthi and Millati Haqq. 2019. Implementation of waste banks for reduction of solid waste in South Surabaya. MATEC Web of Conferences, Vol. 276. <https://doi.org/10.1051/matecconf/201927606021>
2. Warmadewanthi and Yahdini Fitri Rajabi Bachtiar. 2019. Study of struvite crystallization from fertilizer industry wastewater by using fluidized bed reactor. MATEC Web of Conferences, Vol. 276. DOI: <https://doi.org/10.1051/matecconf/201927606006>
3. Warmadewanthi and S A Reswari. 2018. Potential reduction of non-residential solid waste in Sukomanunggal district West Surabaya. IOP Conf. Series: Earth and Environmental Science vol.106.
4. Warmadewanthi and S Kurniawati. 2018. The potential of household solid waste reduction in Sukomanunggal District, Surabaya. IOP Conf. Series: Earth and Environmental Science vol.106.
5. Bagastyo, A.Y., Anggrainy, A.D., Nindita, C.S., and Warmadewanthi. 2017. Electrodialytic removal of fluoride and calcium ions to recover phosphate from fertilizer industry wastewater.
6. Warmadewanthi and Triyono. 2017. Study Precipitation of Magnesium Ammonium Phosphate (MAP) in Composting Process for Solid Waste Treatment. RC-ENVE 2016, AUNSEED-NET – JICA, Chonburi, Thailand, January 23-24, 2017.

7. Warmadewanthi, Ellina S.Pandebesie, Welly Herumurti, Arseto Yekti Bagastyo, Misbachul. 2017. Phosphate Recovery from Wastewater of Fertiliser Industries by Using Gypsum Waste. Chemical Engineering Transaction, Vol.56.
8. Warmadewanthi: Welly Herumurti, Ellina S. Pandebesie, Yulinah Trihadiningrum, Arseto Yekti Bagasto. 2016. Sustainability of Solid Waste Management in Surabaya City. 6th Brunei International Conference On Engineering and Technology (BICET) 2016, Universiti Teknologi Brunei, Brunei Darussalam, 14 - 16 November 2016