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Personal Information

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Employment

1986-present 1. **Accepted as government employee**
1986-present 2. Permanent Lecturer Staff, Faculty of Science and Technology, UNAIR
2016-present 3. As Head of Department of Biology Universitas Airlangga

Education

1975-1981 Universitas Gadjah Mada (Bachelor)
1991-1993 University of Paris 12 (Magister Degree)
1993-1997 University of Paris 12 (Doctor Degree)

Public Service Experience

2015 Training of phylogenetic analysis with cladistic for biology high school
2015 Training of liquid organic fertilizer production in agricultural farmer District of Sumberejo
2015 Judge in Olympiad of Indonesia Students Research (OPSI) Dit. Coaching High School (SMA) Ministry of Education Trainer of Surabaya State University
2015 Judge in Junior High school national science Olympiad Coaching High School (SMA)

Ministry of Education Training of liquid organic fertilizer production in agricultural farmer District of krian Bojonegoro Trainer PT. Adhesive Indonesia

Organization

1991 - Present Indonesian Biology Association
International Biology Olympiad (IBO)
Biology Indonesia Consortium

Research Interest

- Ecology
- Environment/Biodiversity
- Evolution

Research Experience

| No. | Years | Title |
|-----|-------|---|
| 1. | 2016 | KNAT1 gene transformation into <i>Dendrobium lasianthera</i> J.J Sm orchid protocorm.: Efforts to increase the population of seeds |
| 2. | 2015 | KNAT1 gene transformation into <i>Dendrobium lasianthera</i> J.J Sm orchid protocorm.: Efforts to increase the population of seeds |
| 3. | 2016 | The Accumulation of cadmium and its effect on oxidative stress response in Nila fish gill (<i>Oreochromis niloticus</i>) on different salinity. |
| 4. | 2014 | Characterizing landfill leachate as data plans of liquid waste management. |

Patent and Protected Right

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Publication

- 2017 *In vitro* propagation of the endangered medicinal orchid, *Dendrobium lasianthera* J.J.Sm through mature seed culture. *Asian Pacific Journal of Tropical Biomedicine* 2017; 7(5): 406–410
- 2017 Length and Weight Relationship and Condition Factor of Crayfish from South Sorong Jayawijaya, Papua Indonesia. *Croatian Journal of Fisheries*, 2017(75): 31-40
- 2017 Effects of cadmium on metallothionein and histology in gills of tilapia (*Oreochromis niloticus*)

at different salinities, *Journal Toxicological & Environmental Chemistry* 2017

- 2016 The Effect of Organic Nutrient and Growth Regulators on Seed Germination, Embryo and Shoots Development of *Dendrobium antennatum* Lindl. Orchid by In Vitro, Biosaintifika Vol. 8(2):165-171
- 2016 Earthworms Morphometric of Banana Trees in Contaminated Area with Pb, Cr, Zn, and Fe. *International Journal of Ecology & Development* 2016 Vol. 31 (3): 84-98
- 2016 Bioremediation of Mercury Contaminated Sea Water By Marine Diatom *Skeletonema costatum*
- 2016 Pengaruh Pemberian Ekstrak Pisang pada Media VW terhadap Induksi Akar dan Pertumbuhan Tunas *Dendrobium lasianthera* J.J.Sm., *Jurnal Agrotrop* Vol 6, No 1 (2016)
- 2015 Technology Enhancement Productivity Degraded Dry land through Quality Improvement Compost and Biochar with Indicators Productivity of Crop Soybean. *Journal of Biology, Agriculture and Healthcare* Vol. 5 No.23:48-59
- 2015 Studi Viabilitas dan Pola Pertumbuhan *Bacillus megaterium* pada Konsentrasi Molase dan Waktu Inkubasi yang Berbeda
- 2015 Pengaruh Pemberian Logam Berat Timbal (Pb) terhadap Pertumbuhan *Skeletonema* Sp .
- 2015 Contamination of Copper, Zinc, Cadmium and Lead in Fish Species Captured from Bali Straith, Indonesia, and Potential Risk to Human Health. *Cah. Biol.Mar* (2015), 56:89-95.
- 2015 Asymbiotic Seed Germination and In Vitro Seedling Development of *Paphiopedilum liemianum* Fowlie, an Endangered Terrestrial Orchid in Northern Sumatra, Indonesia. *J. of Plant Sciences*, Vol. 4 Number 1 September 2014.
- 2015 The use of *Lumbricus rubellus* as bioremediation agent of vermicomposting of city organic waste polluted by lead metal (Pb). *World Applied Sciences Journal* 2015; 33 (9): 1482-1487.
- 2014 Perkembangan Kultur Daun *Aglaonema* sp.dengan Perlakuan Kombinasi Zat Pengatur Tumbuh NAA dan 2,4-D dengan BAP. *Jurnal Bioslogos* Vol.4, No.1 Februari 2014.
- 2014 Interaksi Blekok Sawah (*Ardeola speciosa*) dengan Burung Jenis Lain Saat Mencari Makan di Wonorejo.
- 2014 Potency of Diethylene Triamine Penta Acetic Acid to improve Cu Absorption by *Crotalaria juncea* from Soil Contaminated Electroplating Waste. *J. of Applied Phytotechnology in Environmental Sanitation* Vol.3, Number 4:123-130 May 2014.
- 2014 Heavy Metals of Landfill Leachate in Klotok Kediri East Java. *J. of Applied Technology in Environmental Sanitation*, Vol.4, Number 1:72-12, July 2014
- 2014 Comparative Study on Distribution of Conserved Bird In Open and Vegetated Area in Wonorejo, Surabaya

Books

- 2016 Lingkungan Abiotik jilid II (Bambang Irawan, Thin Soedarti, Noer Mohammadi), Airlangga University Press

- 2015 Lingkungan Abiotik Jilid I (Bambang Irawan, Noer Mochammadi, Thin Soedarti), Airlangga University Press