

Dr. SUNU KUNTJORO, M.Si.

Position as a:

Lecturer of Ecology, Environmental Knowledge, Limnology, Cultivation of Aquatic Biota, Laboratory Engineering, Conservation of Natural Resources and the Environment, Philosophy of Science, Molecular Biology, and Laboratory Management;
Laboratory Director

ACADEMIC CAREER



Degree	University	Year
Bachelor Program at Department of Biology, Faculty of Sciences and Technology	Universitas Airlangga, Indonesia	1992 - 1996
Master Program in Biology	IPB University, Indonesia	1996 - 2002
Doctoral Program in Biology	IPB University, Indonesia	2006 - 2011

R&D PROJECTS OVER THE LAST 5 YEARS

Project(s)

1. 2019: Feed Preference for Weaver Ants (*Oecophylla smaragdina*) on Morphometric Swallow Birds (*Aerodramus fuciphagus*)
2. 2018: Development of e-Learning Module in Molecular Biology Subject, Department of Biology, Universitas Negeri Surabaya
3. 2018: Utilization of *Salyania molesta* to Increase Water Quality in Fish Habitat Contaminated by Heavy Pb
4. 2018: Analysis of Specific Oxygen Reactions (Malondialdehyde) on *Amyntas robustus* and *Metaphire javanica* Living on Pb-Contaminated Land in Surabaya
5. 2017: Study of Canna (*Canna sp.*) and Butterflies (*Bahunea purpurea*) as Lead Absorbent (Pb) in Air
6. 2016: Utilization of Water Hyacinth (*Eichhornia crassipes*) as Organic Fertilizer
7. 2016: Monitoring of Earthworms *Amyntas robustus* and *Metaphire javanica* as Adaptive Species of Pb, Fe and Cr Metals to Improve Safety of Using Earthworms as Typhus Drugs
8. 2016: Development of Conservation Education Learning Devices to Train Conservation Awareness for Students in the Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya
9. 2015: Social Mapping and Evaluation of Social Responsibility in the Work Area of PT Pertamina EP Field Poleng Gresik

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EXPERIENCE IN COMMUNITY SERVICES OVER THE LAST 5 YEARS

Experience(s)

1. 2019: Various Processed Soybeans and Their Waste as New Entrepreneurial Alternatives for Women Empowerment of Family Welfare in Tembarak Kertosono Village
2. 2019: Application of Biofloc Fermentation Technology on Catfish Cultivation to Increase Environmentally Friendly Catfish Productivity in Ngadirejo Village, Ngadirejo District, Pacitan Regency
3. 2018: Socialization of the Utilization of LAB (Lactic Acid Bacteria) in Used of Fermented Milk Drink Bottles for Home Liquid Waste Treatment Tangga
4. 2017: Simple DNA Isolation Technology to Practice of Making Biology Learning Media for Biology Subject Teacher Deliberation in Magetan Regency
5. 2016: Application of a Simple Wastewater Treatment Plant as an Effort to Reduce Water Pollution for High School Students and Teachers in Tulungagung Training on Making Wastewater Treatment Plants
6. 2015: Implementation of Contextual Learning by Making Liquid Fertilizer from Organic Waste at SMA Sejahtera Surabaya
7. 2015: Training on Writing Scientific Papers for Advisory Teachers and Students of SMAN 9 Surabaya to Improve Writing Competence

IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References

1. Tirta G.A.R., Prabowo P., and **Kuntjoro S.** 2018. Implementation of Cooperative Learning Group Investigation to Improve Students Self-Efficacy and Learning Achievement on Statics Fluid. *Journal of Physics: Conference Series*. Vol. 1157 (3): 032008.
Link: <https://iopscience.iop.org/article/10.1088/1742-6596/1157/3/032008/pdf>
2. Sari D.P., Tjandrakirana, and **Kuntjoro S.** 2018. Applying Science Learning PhET Simulation to Improve Process Skill and Knowledge Aspect of Junior High School Student. *JPPS (Jurnal Penelitian Pendidikan Sains)*. Vol 7 (2): 1496-1500.
Link: <https://journal.unesa.ac.id/index.php/jpps/article/viewFile/2930/2218>
3. Windiastuti E.P., Suyono, and **Kuntjoro S.** 2018. Development of Guided Inquiry Student Worksheet for Biology Grade 11th Senior High School. *JPPS (Jurnal Penelitian Pendidikan Sains)*. Vol. 7 (2): 1513-1518.
Link: <https://journal.unesa.ac.id/index.php/jpps/article/download/2933/2222>
4. **Kuntjoro S.** and Vitasari A. 2017. Nest Development of Two Type Edible Nest In Gresik, East Java. *ASL (Advanced Science Letters)*. Vol. 23 (12).
Link: <http://www.ingentaconnect.com/contentone/asp/asl/2017/00000023/00000012/art00086>

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PUBLISHED BOOKS OVER THE LAST 5 YEARS

Book(s)' Title	Year
Ekofisiologi 1: Ekofisiologi Tumbuhan	2018
Konservasi Sumber Daya Alam dan Lingkungan	2017
Konservasi Sumber Daya Alam dan Lingkungan Berbasis <i>Problem Based Learning</i> Untuk Melatih Sadar Konservasi	2016
Keanekaragaman Hayati Pamurbaya	2016

PATENTS AND PROPRIETARY RIGHTS OVER THE LAST 5 YEARS

Intellectual Property Rights Title / Theme	Year	Type	P/ID Number
Konservasi Sumber Daya Alam dan Lingkungan	2018	Book	000115152
Konservasi Sumber Daya Alam dan Lingkungan Berbasis <i>Problem Based Learning</i> Untuk Melatih Sadar Konservasi	2018	Book	000115109

EXPERIENCE IN FORMULATING OTHER PUBLIC/SOCIAL ENGINEERING POLICIES OVER THE LAST 5 YEARS

Title / Theme / Other Types of Social Engineering that Have Been Implemented	Year	Place of Implementation	Community Response
Pembuatan Draft Akademik Raperda Taman Hutan Raya	2019	Surabaya	On Progress (still in draft form)
Dokumen Perencanaan Pembebasan Lahan Pamurbaya (Pantai Timur Surabaya)	2017	East Coast of Surabaya	Willing to be Released
Pengembangan Hutan Mangrove di Madura CSR Pertamina	2016	Labuhan Mangrove Edupark, Madura	Very Helpfull