

Prof. Dr. FIDA RACHMADIARTI, M.Kes.

Position as a:

Lecturer in Biology Department;
Professor of Ecology



ACADEMIC CAREER

Degree	University	Year
Bachelor Program in Biology	Universitas Alirlangga, Indonesia	1987
Master Program in Medical Science of Basic Biology	Universitas Alirlangga, Indonesia	1994
Doctoral Program in Natural Resources and Environmental Management	Universitas Brawijaya, Indonesia	2013

EMPLOYMENT

Position	Employer at	Period
Head of BAAK sub-section and Lecturer in Fakultas Perikanan	Hang Tuah University, Indonesia	1987 – 1988
Lecturer in Biology Department	Universitas Negeri Surabaya, Indonesia	1988 – now
Secretary in Biology Department	Universitas Negeri Surabaya, Indonesia	200 – 2004
Head of Biology Department/ Head of Biological Education Study Program	Universitas Negeri Surabaya, Indonesia	2004 – 2008
Universitas Terbuka Tutors (UT)	Unit Program Belajar Jarak Jauh (UPPJ), Universitas Terbuka, Surabaya, Indonesia	2008 – 2015
Head of Quality Assurance Group (GPM) Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya, Indonesia	2012 – 2019
Internal Reviewer of Research and Community Service Proposals (PKM)	LPPM of Universitas Negeri Surabaya, Indonesia	2016 – now
Education Asesor and Training Assessment (PPG) In Teacher Position/ Certification	Kemendikbud, Dikdasmen, Universitas Negeri Surabaya, Indonesia	2019 – now
Vice Dean of Academic Affairs	Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya, Indonesia	2019 – now
Assessors of BAN PT, Organization of National Accreditation in Higher Education	Kemendikbud, Dikti, Jakarta, Indonesia	2019 - 2024

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R&D PROJECTS OVER THE LAST 5 YEARS

Project(s)	Year
Optimization of Production through Tissue Culture, Isolation, and Characterization of the <i>Elephantopus scaber</i> Bio-active Compound Research Project Name: PDUPT Kemenristek/Kemendikbud (2 Year)	2018 - 2020
Development of Masks with Herbs to Prevent Covid-19 Transmission Research Project Name: PNBP Universitas Megeri Surabaya	2020
Mapping of Amino Acids and Rhizobacterial of <i>Marsilea crenata</i> and <i>Ludwigia adscendens</i> Exposed to Detergent Waste Research Project Name: PNBP Universitas Megeri Surabaya	2019
Development of orsaev Learning Models to improve Disaster Preparedness for Student Teacher Candidates Research Project Name: PNBP Unesa	2019
Feed Preference for Kroto Species of Weaver Ants (<i>Oecophylla smaragdina</i>) on the Morphological Growth of Swallow (<i>Aerodramus fuciphagus</i>) Research Project Name: PNBP FMIPA	2019
Improving Learning Proses through Transcript Based Lesson Analysisi (TBLA) in Science Lesson Research Project Name: PNBP FMIPA	2019
Exploration of New Compounds from Indonesia Endemic Plants in the Context of Producing Anticancer Compounds Research Project Name: Hibah Mandat Universitas Airlangga	2018
Potential of Indonesian Endemic Plants in the Production of Anti-Cancer Compounds Research Project Name: Hibah Mandat Unair	2017
Study of Kana (<i>Canna Sp.</i>) and Butterflies (<i>Bahunea purpurea</i>) as Lead Absorbent (Pb) in Air Research Project Name: PNBP FMIPA	2017
Study of the Relevance of Alumni of the Department of Biology, State University of Surabaya through a Tracer Study Research Project Name: BOPTN FMIPA	2016
Mapping of Amino Acids (Free Amino Acid) and Rhizobacteria in <i>Marsilea crenata</i> Presl. and <i>Salvinia molesta</i> as Lead (Pb) Metal Phytoremediators Research Project Name: Hibah Fundamental DRPM (2 Year)	2015-2016

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PATENTS AND PROPRIETARY RIGHTS OVER THE LAST 5 YEARS

Intellectual Property Rights Title / Theme	Year
Textbooks Conservation of Natural Resources and Environment	2018
Textbooks Conservation of Natural Resources and Environment Based on Problem Based Learning to Train Conservation Awareness	2018
Ecotoxicology	2018

IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Consortium of <i>Marsilea crenata</i> and <i>Ludwigia adscendens</i> for Linear Alkylbenzene Sulfonate Detergent Phytoremediator. <i>Asian Journal of Water: Environment and Pollution</i> , 17(3), (2020), pp: 37-41. DOI: 10.3233/AJW200033	2020
An OrSAEv Learning Model to Improve Disaster Preparedness of STEM Teacher Candidates. <i>World Transactions on Engineering and Technology Education</i> , 18(2), (2020), pp: 231-236	2020
The Ability of <i>Sagittaria lancifolia</i> as Phytoremediator on Detergent Solution <i>Journal of Physics: Conference Series</i> , 1569 (2020) 042072; DOI: 10.1088/1742-6596/1569/4/042072	2020
Preference Swiftlet Bird (<i>Aerodramus fuciphagus</i>) Nesting at Different Sites in an Effort to Increase Nest Production. <i>Journal of Physics: Conference Series</i> , 1569 (2020) 042083; DOI: 10.1088/1742-6596/1569/4/042083	2020
<i>Syzygium oleina</i> and <i>Wedelia trilobata</i> for Phytoremediation of Lead Pollution in the Atmosphere <i>Nature Environment & Pollution Technology</i> , 18(1), (2019), pp: 157-162	2019
Phytoremediation Capability of Water Clover (<i>Marsilea crenata</i> (L). Presl.) In Synthetic Pb Solution <i>Applied Ecology and Environmental Research</i> , 17(4), (2019), pp: 9609-9619 Link DOI: http://dx.doi.org/10.15666/aeer/1704_96099619	2019
In-vitro Propagation of <i>Elephantopus scaber</i> Using Seeds as Explants in Various Culture Growth Media. <i>Mathematics, Informatics, Science, and Education International Conference</i> , 95 (2019); DOI: 10.2991/miseic-19.2019.3	2019
Practicality and Effectiveness of SETS based Learning Materials to Trained Students' Higher-Order Thinking Skills. <i>Journal of Physics Conference Series</i> , 1417 (2019) 012079; DOI: 10.1088/1742-6596/1417/1/012079	2019

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Empirical Validity of Collaborative-Learning Student Worksheet on Ecology Material to Practice Student's Scientific Literacy Skill of Tenth Grade Senior High School. <i>Journal of Physics: Conference Series</i> , 1241 (2019) 012037. DOI:10.1088/1742-6596/1241/1/012037	2019
The Effectiveness of SETS based-learning in Improving Students' Higher-Order Thinking Skills. <i>Biota</i> , 12(1), (2019), pp: 38-46 DOI: 10.20414/jb.v12i1.172	2019
Training Students' Attitudes in Environmental Science Course. <i>Jurnal Riset Biologi dan Aplikasi</i> , 1(1), (2019), pp: 40-46	2019
Acronyculatin P, A New Isoprenylated Acetophenone from the Stem Bark of <i>Acronychia pedunculata</i> . <i>Molbank</i> , 2018 (3), (2018), M1007, DOI: 10.3390/M1007	2018
5, 7-Dihydroxy-3, 6-Dimethoxy-3', 4'-Methylendioxyflavone. <i>Molbank</i> , 2018 (3), (2018), M1007, DOI: 10.3390/M1007	2018
The Changes of Environment and Aquatic Organism Biodiversity in East Coast of Sidoarjo due to Lapindo Hot Mud. <i>GEOMATE</i> , 181-186. DOI: 10.21660/2018.48.IJCST60	2018
Airlanggins A-B, Two New Isoprenylated Benzofuran-3-ones from the Stem Bark of <i>Calophyllum soulattri</i> . <i>Natural Product Sciences</i> , 32(13), (2018), pp: 1493-1498, DOI: 10.1080/14786419.2017.1380027	2018
The Efficacy of <i>Salvinia molesta</i> Mitch. and <i>Marsilea crenata</i> Presl. as Phytoremediators of Lead Pollution. <i>Journal of Applied Horticulture</i> , 20(1), (2018), pp: 48-51, DOI: 10.37855/jah.2018.v20i01.08	2018
Assessing Early Level of Literacy: a Case Study on Science Literacy in Biotechnology. <i>International Conference on Mathematics and Science Education of Universitas Pendidikan Indonesia (ICMScE)</i> , 3 (2018) pp: 519-524	2018
Improving the Quality of Tofu Liquid waste by the Sedimentation Process and the Phytoremediation of Water Hyacinth (<i>Eichornia crassipes</i>). <i>International Conference on Science and Technology (ICST 2018)</i> , 1(2018) pp: 105-109 DOI: 10.2991/icst-18.2018.23	2018
<i>Azolla microphylla</i> and <i>Pistia stratiotes</i> as Phytoremediator of Pb (lead). <i>International Conference on Science and Technology (ICST 2018)</i> , 1 (2018) pp: 92-95 DOI: 10.2991/icst-18.2018.20	2018
Study of Kana (<i>Canna sp.</i>) and Butterfly (<i>Bauhinia purpurea</i>) Plants as Leading Absorbents (Pb). <i>International Conference on Science and Technology (ICST 2018)</i> , 1 (2018), pp: 83-87 DOI: 10.2991/icst-18.2018.18	2018
Soil Physic and Chemistry Characteristics on Pesticide Application of Soybean Land in Jombang, Lamongan and Probolinggo. <i>International Conference on Science and Technology (ICST 2018)</i> , 1(2018), pp: 79-82 DOI: 10.2991/icst-18.2018.17	2018

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IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
The Morphological, Anatomical, and Physiological Characteristics of <i>Elephantopus scaber</i> as Explant Source for Tissue Culture. <i>International Conference on Science and Technology (ICST 2018)</i> , 1 (2018), pp: 61-6 DOI: 10.2991/icst-18.2018.13	2018
Impact of Lapindo Hot Mud Flowing on Macrozoobenthos Communities in Estuary Porong, East Java. <i>International Conference on Science and Technology (ICST 2018)</i> , 1 (2018), pp: 53-57 DOI: 10.2991/icst-18.2018.11	2018
Textbook Effectivity Based on Ethnobiology of Biodiversity Subject for Student's Critical Thinking Skill. <i>International Conference on Lesson Study (the 9th ICLS)</i> , (2018) pp: 257-263	2018
Pengembangan Perangkat Pembelajaran Inkuiri Terbimbing Berbantuan Simulasi Komputer Materi Atom, Ion, Dan Molekul Untuk Meningkatkan Hasil Belajar Siswa SMP. <i>Jurnal Penelitian Pendidikan Sains (JPPS)</i> , 7(1), (2018), pp: 1370-1378	2018
Tumbuhan sebagai Media Detoksifikasi Logam Berat di Lahan Basah (Keynote Speaker). <i>Prosiding Seminar Nasional Biologi 2018</i> , (2018), pp: 335-344	2018
Kemampuan Kangkung Air (<i>Ipomoea aquatica</i>) dalam Fitoremediasi Logam Zn pada Kolam Greenhouse Universitas Negeri Surabaya. <i>Prosiding Seminar Nasional Biologi 2018</i> , (2018), pp: 92-96	2018
Mesucalophylloidin, a new Isoprenylated 4- Phenylcoumarin from <i>Mesua calophylloides</i> (Ridl.) Kosterm. <i>Natural Product Research</i> , 32(9), (2017), pp: 1-6, DOI: 10.1080/14786419.2017.1378215	2017
Pengembangan Perangkat Pembelajaran IPA SMP Berbasis Pendekatan Sainifik Dengan Model Pembelajaran Inkuiri Terbimbing. <i>Jurnal Penelitian Pendidikan Sains (JPPS)</i> , 5(2), (2017), pp: 903-910	2017
Uji Toksisitas Pewangi Sekali Bilas Antibakteri Terhadap Mortalitas Ikan Mas (<i>Cyprinus carpio</i>). <i>Prosiding Seminar Nasional Biologi 2017</i> , (2017), pp: 57-60	2017
Pengaruh Pemberian Pupuk Organik berbahan Eceng Gondok Terfermentasi terhadap Produksi Tanaman Cabai Merah Varietas Gada MK F1. <i>Prosiding Seminar Nasional Biologi 2017</i> , (2017), pp: 21-24	2017
Implementation Lesson Study Learning Community (Lslc) At Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya (Invited Speaker). <i>The 3rd Annual International Seminar on Trends in Science and Science Education 2016</i> , 7 Oct 2016, Medan, (2016) 73-79.	2016
Teaching Materials Model-Based Problem Based Learning (PBL) to Habituate Students' Conservation Awareness. Pdf unnes.ac.id (2015)	2015