

# DWI RAHAYU ANGGOROWATI, M.Si

Position as a:

Lecturer of Animal Taxonomy

## ACADEMIC



Degree	University	Year
Bachelor Program at Department of Biology, Faculty of Mathematics and Natural Sciences	Universitas Negeri Malang, Indonesia	2007 – 2011
Master Program at Department of Biology, Faculty of Mathematics and Natural Sciences	Universitas Brawijaya, Indonesia	2011 – 2013
Government Employer at Ministry of Research, Technology and Higher Education as a Lecturer Institution	Universitas Negeri Surabaya, Indonesia	2018 - now

## EMPLOYEE

Position	Employer at	Period
Lecturer in Biology Department (Animal Taxonomy Course)	Universitas Negeri Surabaya, Indonesia	2018 – now
Quality Assurance Unit of Biology Department	Universitas Negeri Surabaya, Indonesia	2019 - 2020

## ACTIVITY IN SPECIALIST BODIES

Organization Role	Position	Period
Indonesian Genetics and Biodiversity Community (General Treasurer)	Management	2018 – now
Yayasan Genetika dan Biodiversitas Indonesia (General Treasurer)	Management	2020 – now
Himpunan Pendidik dan Peneliti Biologi Indonesia (Publication team)	Management	2021-now
Perhimpunan Biologi Indonesia (Member)		

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## R&D PROJECTS OVER THE LAST 5 YEARS

### Project(s)

2018. Pengembangan Modul e-Learning pada Matakuliah Biologi Molekuler Jurusan Biologi Universitas Negeri Surabaya  
**Research Project Name: PNBP LPPM Universitas Negeri Surabaya**  
**Position: as a Team Member**

2019: Studi Daya Simpan Pada Suhu Rendah, Profil Protein, dan Stabilitas Genetis Spermatozoa Kambing Senduro dalam Pengencer Semen Sederhana dan Komersil  
**Research Project Name: PNBP LPPM Universitas Negeri Surabaya**  
**Position: as a Team Member**

2019: Pengembangan Buku Elektronik Sistematika Hewan Berbahasa Inggris untuk Melatihkan Literasi Digital Mahasiswa Calon Guru Biologi  
**Research Project Name: BOPTN FMIPA**  
**Position: as a Team Member**

2020: Eksplorasi Angiotensin-Converting Enzyme 2 dan Kandidat Antiviral dari Biota Laut untuk Menghambat Transmisi SARS CoV-2 Melalui Pendekatan in Silico  
**Research Project Name: Kebijakan FMIPA**  
**Position: as a Team Member**

2020: Inovasi Perkuliahan Konservasi Sumber Daya Alam Berbasis *Augmented Reality* Dan *Virtual Laboratory* (Ar&VI) untuk Melatihkan Mahasiswa Sadar Konservasi  
**Research Project Name: Program Bantuan Dana Pengembangan Dan Penyelenggaraan Inovasi Pembelajaran Digital 2020**  
**Position: as a Team Member**

2019: Pembuatan Naskah Akademik Peraturan Daerah Kabupaten Paser dalam Perlindungan dan Pelestarian Biuku Bekerjasama dengan Kabupaten Paser, Kalimantan Timur

## PATENTS AND PROPRIETARY RIGHTS OVER THE LAST

Intellectual Property Rights Title / Theme	Year
<b>DNA Barcode Hewan Dan Tumbuhan Indonesia</b> Application Number: EC00202007979 (Patent) Inventor(s): Dwi Anggorowati Rahayu Patent Holder(s): Miftahul Jannah, Dwi Anggorowati Rahayu	2020
<b>Ecopreneurship Bioplastik Serangga</b> Application Number: EC00202020610 (Patent) Inventor(s): Ulfi Faizah, S.Pd., M.Si., Reni Ambarwati, S.Si., M.Sc., Dwi Anggorowati Rahayu, M.Si Patent Holder(s): LPPM-Universitas Negeri Surabaya	2020
<b>Pengantar Bioteknologi (Teori dan Aplikasi)</b> Application Number: EC00201951740 (Patent) Inventor(s): Endik Deni Nugroho, S.Pd., M.Pd, Dwi Anggorowati Rahayu, S.Si., M.Si Patent Holder(s): Endik Deni Nugroho, S.Pd., M.Pd, Dwi Anggorowati Rahayu, S.Si., M.Si	2019



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## PATENTS AND PROPRIETARY RIGHTS OVER THE LAST

Intellectual Property Rights Title / Theme	Year
<b>Mengenal Ikan Gelodok Lokal Jawa Timur</b> Application Number: EC00201944088 (Patent) Inventor(s): Dwi Anggorowati Rahayu Patent Holder(s): LPPM-Universitas Negeri Surabaya	2019
<b>Teori dan Praktik Sistematika Hewan Jilid 2</b> Application Number: EC00201984460 (Patent) Inventor(s): Ulfi Faizah, S.Pd., M.Si., Reni Ambarwati, S.Si., M.Sc., Dwi Anggorowati Rahayu, M.Si Patent Holder(s): LPPM-Universitas Negeri Surabaya	2019

## IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Nugroho, E.D., <b>Rahayu, D.A.</b> , Amin, M., & Lestari, U. (2015). Morphometric Characters of Marine Local Fish ( <i>Harpodon sp.</i> ) from Tarakan, Northern Borneo. <i>Journal of Biological Researches</i> , 2014; 21(1), 41-45 DOI 10.23869/bphjbr.21.1.20153	2015
Nugroho, D.A., Ibrahim, <b>Rahayu, D.A.</b> , Rupa, D. (2016). Studi Morfologi Ikan Mudskippers (Gobiidae: Oxudercinae) sebagai Upaya Karakterisasi Biodiversitas Lokal Pulau Tarakan. <i>Jurnal Harpodon Borneo</i> , 9(1) Link DOI: <a href="https://doi.org/10.35334/harpodon.v9i1.49">https://doi.org/10.35334/harpodon.v9i1.49</a>	2016
Dyah Hariani, <b>D A Rahayu</b> , P S W Kusuma. (2018). Environmentally Friendly Catfish Cultivation Engineering: Probiotic Use in Feed with Addition of Spices. <i>Atlantis Highlights in Engineering (AHE)</i> , volume 1. Link DOI: <a href="https://doi.org/10.2991/icst-18.2018.132">https://doi.org/10.2991/icst-18.2018.132</a>	2018
<b>RAHAYU, Dwi Anggorowati</b> ; NUGROHO, Endik Deni; LISTYORINI, Dwi. DNA Barcoding Ikan Introduksi Khas Telaga Sari, Kabupaten Pasuruan. <i>Biotropika: Journal of Tropical Biology</i> , [S.l.], v. 7, n. 2, p. 51-62, aug. 2019. ISSN 2549-8703 .Available at: <a href="https://biotropika.ub.ac.id/index.php/biotropika/article/view/530">https://biotropika.ub.ac.id/index.php/biotropika/article/view/530</a> Link DOI: <a href="http://dx.doi.org/10.21776/ub.biotropika.2019.007.02.2">http://dx.doi.org/10.21776/ub.biotropika.2019.007.02.2</a>	2019
N Ducha, W Budijastuti and <b>Rahayu, D.A.</b> (2019). Effect of Addition of Different Egg Yolks in Basic Tris-Soya Diluent on Quality, Membrane Integrity of Senduro Goat Sperm, and Free Radicals during Storage at Temperature of 4-5° C. <i>J. Phys.: Conf. Ser.</i> 1569 042081 . DOI: 10.1088/1742-6596/1569/4/042081	2019
Ambarwati, D.A., Faizah, U., & <b>Rahayu, D.A.</b> (2019). Enhancing the Digital Literacy of Pre-Service Biology Teacher through Animal Systematics Course. <i>Advances in Computer Science Research</i> , volume 95 Link DOI: <a href="https://doi.org/10.2991/miseic-19.2019.46">https://doi.org/10.2991/miseic-19.2019.46</a>	2019
Faizah, U., Ambarwati, R., & <b>Rahayu, D.A.</b> (2019). Integration of Scientific Article Writing in the Animal Systematics Course to Train Scientific Literacy. <i>Advances in Computer Science Research</i> , volume 95 Link DOI: <a href="https://doi.org/10.2991/miseic-19.2019.39">https://doi.org/10.2991/miseic-19.2019.39</a>	2019
<b>Rahayu, D.A.</b> , Ambarwati, R., & Faizah, U. (2019). Biodiversity of Invertebrates in Kemantren Coast, Lamongan. <i>Advances in Computer Science Research</i> , volume 9 Link DOI: <a href="https://doi.org/10.2991/miseic-19.2019.8">https://doi.org/10.2991/miseic-19.2019.8</a>	2019
R Ambarwati, <b>D A Rahayu</b> & U Faizah. (2019). The Potency and Food Safety of Lamp Shells (Brachiopoda: <i>Lingula sp.</i> ) as Food Resources. <i>J. Phys.: Conf. Ser.</i> 1417 012039 DOI: 10.1088/1742-6596/1417/1/012039	2019
<b>Rahayu, D.A.</b> , Nugoro, E.D., & Listyorini, D. (2019). Studi Morfologi Dan Fenetik Taksonomi Ikan Introduksi Khas Telaga Sari, Pasuruan. <i>Borneo Journal of Biological Education</i> , 1(1), 18-33 Link: <a href="http://jurnal.borneo.ac.id/index.php/bjbe/article/view/958/900">http://jurnal.borneo.ac.id/index.php/bjbe/article/view/958/900</a>	2019

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## IMPORTANT PUBLICATIONS OVER THE LAST 5 YEARS

Publication References	Year
Juniar, Anisya Eka, <b>D.A. Rahayu</b> . (2019). Identifikasi Jenis Ikan Mudskipper di Pantai Surabaya dan Sidoarjo. <i>Biotropika: Journal of Tropical Biology</i> , [S.l.], v. 7, n. 3, p. 95-101, dec. 2019. ISSN 2549-8703 Available at: DOI: <a href="http://dx.doi.org/10.21776/ub.biotropika.2019.007.03.2">http://dx.doi.org/10.21776/ub.biotropika.2019.007.03.2</a>	2019
Isnawati, Trimulyono, G., & <b>Rahayu, D.A.</b> (2019). Diversity of indigenous Bacteria during Fermentation Fermetoge: The Ruminant Feed Made of Water Hyacinth ( <i>Eichhornia crassipes</i> ) and corn ( <i>Zea mays</i> ) cob. <i>BIOSCIENCE RESEARCH</i> , 16(3):3085-3090. Link: <a href="https://www.isisn.org/BR16(3)2019/3085-3090-16(3)2019BR19-361.pdf">https://www.isisn.org/BR16(3)2019/3085-3090-16(3)2019BR19-361.pdf</a>	2019
JANNAH, Miftahul Islam, <b>Rahayu, D.A.</b> The Fruticose Lichens in The Forest Tahura (Taman Hutan Raya) R. Soeryo, East Java. <i>Biotropika: Journal of Tropical Biology</i> , [S.l.], v. 7, n. 2, p. 63-66, aug. 2019. ISSN 2549-8703 Available at: <a href="https://biotropika.ub.ac.id/index.php/biotropika/article/view/531">https://biotropika.ub.ac.id/index.php/biotropika/article/view/531</a>	2019
Juniar, A., Rosyada, S., Nur S, A., & <b>Rahayu, D.A.</b> (2020). Kebiasaan Makan Ikan Gelodok (Famili: Gobiidae) Lokal Jawa Timur. <i>Jurnal Biologi Udayana</i> , 24(1), 1-6. DOI: 10.24843/JBIOUNUD.2020.v24.i01.p01	2020
Ambarwati, R., <b>Rahayu, D.A.</b> , Khaleyla, F & Rachmadiarti, F. (2021). DNA barcoding of lamp shells (Brachiopoda: Lingula anatina) from Probolinggo, East Java, Indonesia. <i>Biodiversitas Journal of Biological Diversity</i> , 22(4):1764-1774. DOI <a href="https://doi.org/10.13057/biodiv/d220421">https://doi.org/10.13057/biodiv/d220421</a> .	2020
Ambarwati, R., <b>Rahayu, D.A.</b> , Khaleyla, F., Wisanti & Putri, K. (2021). Angiotensin-Converting Enzyme 2 (ACE2) of Marine Biota: A Preliminary Study of Potential Therapy for SARS-CoV-2 Infection. <i>J. Phys.: Conf. Ser.</i> 1747 012004. <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012004/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012004/meta</a> .	2021
Faizah, F., Ambarwati, R & <b>Rahayu, D.A.</b> (2021). From offline to online learning: various efforts to secure the learning process during covid-19 outbreaks. <i>J. Phys.: Conf. Ser.</i> 1747 012002. <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012002">https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012002</a> .	2021
Wisanti, R Ambawati, EK Putri, <b>DA Rahayu</b> and F Khaleyla. (2021). Science online learning during the covid-19 pandemic: difficulties and challenges. <i>J. Phys.: Conf. Ser.</i> 1747 012007. <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012007">https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012007</a> .	2021
<b>Rahayu, D.A.</b> , Ambarwati, R & Khaleyla, F. (2021). An Effort to Train the Biological Computation Skill and Teach Animal Phenetic Taxonomy to Pre-Service Biology Teacher. <i>J. Phys.: Conf. Ser.</i> 1747 012001. <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012001">https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012001</a> .	2021
<b>Rahayu, D.A.</b> , Ambarwati, R., Isnawati., Puspitawati, R & Kuswanti, N. (2021). Contribution of Housewives to Increase the Immunity of Family Members During Covid-19 Pandemic. <i>Advances in Engineering Research</i> , volume 196:168-171. ( <a href="https://doi.org/10.2991/aer.k.201124.031">https://doi.org/10.2991/aer.k.201124.031</a> ).	2021
Juniar A.E., Ambarwati R., <b>Rahayu D.A.</b> , 2021. Genetic identification of Clithonoualaniense (Gastropoda: Neritidae) from Madura, Indonesia. <i>AAFL Bioflux</i> 14(2):1046-1056. <a href="http://www.bioflux.com.ro/docs/2021.1046-1056.pdf">http://www.bioflux.com.ro/docs/2021.1046-1056.pdf</a> .	2021
Khaleyla, F., <b>Rahayu, D.A.</b> , Yakub, P., & Rachmadiarti, F. (2021). Training Science Literacy Skills Through Article Writing on Local Wisdom in East Java. <i>Advances in Engineering Research</i> , volume 196:163-167. <a href="https://doi.org/10.2991/aer.k.201124.030">https://doi.org/10.2991/aer.k.201124.030</a> .	2021
Ikalindhari, A., Ambarwati, R., & <b>Rahayu, D. A.</b> (2020). Developing student worksheet based on iMindMap in animalia topic to train creative thinking ability. <i>JPBI (Jurnal Pendidikan Biologi Indonesia)</i> , 6(3), 423-435. doi: <a href="https://doi.org/10.22191/jpbi.v6i3.1325">https://doi.org/10.22191/jpbi.v6i3.1325</a>	2021