



UNNES
UNIVERSITAS NEGERI SEMARANG

FACULTY OF MATHEMATICS AND NATURAL SCIENCES

LECTURER'S PUBLICATION LIST

BIOLOGY EDUCATION



LECTURER'S PUBLICATION LIST

Bachelor of Biology Education Study Program

Scientific articles and proceedings published in 2023, 2024, 2025, and 2026

No.	Lecturer's Name	Title of paper	Year	Journal's name	Index
1	Prof. Dr. Sri Ngabekti, M.S.	Feasibility Assessment of Aboveground Biomass and Carbon Stock Estimation in Heterogeneous Tropical Campus Green Spaces Using Unmanned Aerial Vehicle RGB Photogrammetry	2026	Ecological Engineering & Environmental Technology	Scopus-indexed journal
2		Fitoremediasi Kadar Logam Berat Kromium (Cr) pada Limbah Batik Menggunakan Eceng Gondok dan Kangkung Air	2026	Environmental Science Journal (ESJO): Jurnal Ilmu Lingkungan	Google Scholar/SINTA record;
3		Sebangau Palangka Raya peatland conservation model based on interdisciplinary science learning: local potentials for climate change mitigation	2026	International Journal of Environmental Science and Technology	Scopus-indexed journal
4		Science learning innovation in junior high school: Exploring teachers' needs for the implementation of inquiry guide-STEAM	2025	Multidisciplinary Science Journal	Scopus Q4 (Journal)
5		Survival of Alphetobius diaperinus Larvae Reared in Styrofoam and Polymeric Foam Diet	2024	Pakistan Journal of Biological Sciences	Scopus Q3 (Journal)
6		Determination of Sustainable Food Land Directions in Bantul Regency, Indonesia Based on Food Security Level and Land Use Conversion	2023	International Journal of Sustainable Development and Planning	Scopus Q2 (Journal)

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7		Development and Validation Model of Peatland Conservation through Interdisciplinary Science Learning	2023	Biosaintifika	Scopus Q3 (Journal)
8		Efficacy of Local Ageratum conyzoides Leaf Extracts on Controlling the Poultry Pest Alphitobius diaperinus (Coleoptera: Tenebrionidae)	2023	Science and Technology Asia	Scopus Q3 (Journal)
9		Fit-Model Sustainable Competencies of Palangka Raya Indonesia Peat Lands in the Environmental Literacy (P-PSEL) Questionnaire for Teacher-Candidates	2023	Polish Journal of Environmental Studies	Scopus Q2 (Journal)
10		Soil macrofauna species diversity as an environmental quality indicator	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
11	Prof. Dr. Wiwi Isnaeni, M.S.	Analisis Bibliometrik Pendekatan Unplugged Coding dalam Pembelajaran Matematika di Sekolah Dasar	2026	JURNAL e-DuMath	Crossref/DOI;
12		Evaluasi Implementasi Program Pembelajaran IPA dalam Memfasilitasi Literasi Sains pada Peserta Didik SMP	2026	Pendas: Jurnal Ilmiah Pendidikan Dasar	Crossref/DOI;
13		Pengembangan Instrumen Penilaian Kemampuan Berfikir Kritis dalam Pembelajaran Sejarah: Sistematic Literature Review	2026	Jurnal Pendidikan Sejarah	Crossref/DOI;
14		Strengthening Self-Confidence Strategies in Problem-Solving and Learning Outcomes in Elementary Schools	2026	24th National and International Conference on Humanities and Social Sciences (1/2026)	Conference proceedings;

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15		The application of on-line science-based inquiry learning in primary schools	2024	Journal of Turkish Science Education	Scopus Q2 (Journal)
16		Frost injury analysis: Embun Upas phenomenon and mitigation in Dieng plateau Wonosobo	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
17	Prof. Dr. Lisdiana, M.Si.	Growth and production of secondary metabolites in the callus of Bima Brebes shallot varieties	2024	Biodiversitas	Scopus Q2 (Journal)
18		Molecular Docking of the Cannabis sativa L. Bioactive Compound Against Inflammation Induced by Cigarette Smoke Exposure	2023	Biosaintifika	Scopus Q3 (Journal)
19		Tomatidine Extraction from Various Solvents and Cancer Inhibition Mechanism Through In Silico Analysis	2023	Trends in Sciences	Scopus Q3 (Journal)
20	Prof. Dr. Dyah Rini Indriyanti, M.P.	Insecticidal Effects of Extracts from Three Herbal Plants on the Poultry Pest Alphitobius diaperinus	2025	Pakistan Journal of Biological Sciences	Scopus Q3 (Journal)
21		Insecticidal Activity of Gamal (Gliricidia sepium) Leaf Extracts Against the Darkling Beetle Alphitobius diaperinus	2024	Biosaintifika	Scopus Q3 (Journal)
22		Survival of Alphitobius diaperinus Larvae Reared in Styrofoam and Polymeric Foam Diet	2024	Pakistan Journal of Biological Sciences	Scopus Q3 (Journal)
23		The application of on-line science-based inquiry learning in primary schools	2024	Journal of Turkish Science Education	Scopus Q2 (Journal)
24		Genetic Distance and Conservation Status of Stingray Species at TPI Tasik Agung Rembang, Central Java based on the Mitochondrial Cytochrome Oxidase I Gene	2023	Science and Technology Asia	Scopus Q3 (Journal)

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25		The growth of <i>Metarhizium anisopliae</i> grown on reused corn medium	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
26	Prof. Dr. Siti Harnina Bintari, M.S.	Characterization of porosity and permeability in Nata De Soya porous membranes with composition modifications	2024	Journal of Physics: Conference Series	Scopus Q3 (Conference Proceeding)
27		Soil macrofauna species diversity as an environmental quality indicator	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
28		The growth of <i>Metarhizium anisopliae</i> grown on reused corn medium	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
29		The Improvement of Lipid Profiles and Glucose Resistance of Hypercholesterolemic Rats using Tempeh Flour Based-Yoghurt Complemented with Red Pitaya Peel Extract	2023	Biosaintifika	Scopus Q3 (Journal)
30		The Potential of ZICURMA Herbal Supplement in Inhibiting Pro-Inflammatory Cytokines as Therapeutic Agents in SARS-CoV2 Infection	2023	Trends in Sciences	Scopus Q3 (Journal)
31	Prof. Dr. Priyantini Widiyaningrum, M.S.	Biological Performance of Laying Quail Supplemented with <i>Alphitobius diaperinus</i> Larval Meal	2025	Journal of Experimental Biology and Agricultural Sciences	Scopus Q3 (Journal)
32		Insecticidal Effects of Extracts from Three Herbal Plants on the Poultry Pest <i>Alphitobius diaperinus</i>	2025	Pakistan Journal of Biological Sciences	Scopus Q3 (Journal)

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33		Insecticidal Activity of Gamal (<i>Gliricidia sepium</i>) Leaf Extracts Against the Darkling Beetle <i>Alphitobius diaperinus</i>	2024	Biosaintifika	Scopus Q3 (Journal)
34		Survival of <i>Alphitobius diaperinus</i> Larvae Reared in Styrofoam and Polymeric Foam Diet	2024	Pakistan Journal of Biological Sciences	Scopus Q3 (Journal)
35		Biological Control Test of Poultry Pest <i>Alphitobius diaperinus</i> (Coleoptera: Tenebrionidae) with Mahogany and Papaya Seeds Extract	2023	International Journal of Agriculture and Biology	Scopus Q3 (Journal)
36		Efficacy of Local <i>Ageratum conyzoides</i> Leaf Extracts on Controlling the Poultry Pest <i>Alphitobius diaperinus</i> (Coleoptera: Tenebrionidae)	2023	Science and Technology Asia	Scopus Q3 (Journal)
37		Genetic Distance and Conservation Status of Stingray Species at TPI Tasik Agung Rembang, Central Java based on the Mitochondrial Cytochrome Oxidase I Gene	2023	Science and Technology Asia	Scopus Q3 (Journal)
38		Polymerase Chain Reaction-Amplification of COI Gene of Stingray and Shark Using Four Primer Pairs	2023	Tropical Journal of Natural Product Research	Scopus Q3 (Journal)
39	Prof. Dr. Amin Retnoningsih, M.Si.	Optimization Grafting of <i>Durio zibethinus</i> using Various Scion Diameters and Hormone Levels	2026	International Journal of Horticultural Science and Technology	Scopus Q1 (Journal)
40		Valorization of Bio-based Waste through Research and Community Service in University towards Circular Economy Transition and Future Sustainability: Case Study in Indonesia	2024	Nature Based Wastewater Treatment Systems: Emerging Approaches with	Scopus indexed (Book/Book Chapter; no quartile)

No.	Lecturer's Name	Title of paper	Year	Journal's name	Index
				Potential Resource Recovery Options	
41		Genetic characterization of superior durian (<i>Durio zibethinus</i> L.) accessions in Batang District, Central Java, Indonesia based on ISSR markers	2023	Biodiversitas	Scopus Q2 (Journal)
42	Prof. Dr. drh. R. Susanti, M.P.	Effects of Green Tea Extract (<i>Camellia sinensis</i> L.) on Blood Biochemical Parameters in Paracetamol-Induced Wistar Rats	2026	Jurnal Kebidanan dan Kesehatan Tradisional	SINTA 3 (journal website); Crossref/DOI
43		Metagenomic Analysis of Bacterial Communities in Batik Wastewater from Zie Semarang	2026	Bioscientist: Jurnal Ilmiah Biologi	Crossref/DOI;
44		Digital Educational Media for Hospital Waste Management: Addressing Waste Types, Illegal Disposal, and Environmental Impact	2025	ASEAN Journal of Science and Engineering	Scopus Q1 (Journal)
45		Microbial Diversity in Hot Spring Soil Microbiome	2025	Biosaintifika	Scopus Q3 (Journal)
46		Pengaruh Nanopartikel Ekstrak Asam Jawa terhadap Perubahan Morfologi dan Histologi Testis Tikus Hiperglikemia	2025	Indonesian Journal of Mathematics and Natural Sciences	Crossref/DOI;
47		Anti-Inflammatory Effect of <i>Phyllanthus niruri</i> : A Meta-Analysis	2024	Biosaintifika	Scopus Q3 (Journal)
48		Antihyperlipidemic Activity of Tamarind (<i>Tamarindus indica</i>) Extract on the Lipid Profile of Albino Rats	2024	Biosaintifika	Scopus Q3 (Journal)
49		Growth and production of secondary metabolites in the callus of Bima Brebes shallot varieties	2024	Biodiversitas	Scopus Q2 (Journal)

No.	Lecturer's Name	Title of paper	Year	Journal's name	Index
50		Lipid Profile and Blood Glucose Levels of Wistar Rats Fed a Non-High Fat Nutriment Supplemented with Black Garlic Extract	2024	International Journal of Food Studies	Scopus Q3 (Journal)
51		Metagenomic analysis of soil forest microbiota on Mount Ungaran, Central Java, Indonesia	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
52		Molecular Mechanisms of Increased Platelets: An In Silico of the Active Compounds in Psidium guajava	2024	Biosaintifika	Scopus Q3 (Journal)
53		Predictive action of oncomiR in suppressing TP53 signaling pathway in hypoxia-conditioned colon cancer cell line HCT-116	2024	Cell Biology International	Scopus Q2 (Journal)
54		Profiling of the intestinal microbiota of stunted children in Semarang, Indonesia	2024	Biodiversitas	Scopus Q2 (Journal)
55	Prof. Dr. Ari Yuniastuti, M.Kes.	Adaptation of Moringa Leaf Extract on Hemoglobin and Arm Circumference in Adolescent Girls Semarang	2025	Media Kesehatan Masyarakat Indonesia	Scopus Q4 (Journal)
56		Development of a Smartphone Application “Family Care Stunting” to Increase the Independence of Families with Stunting Toddlers and Comorbid Diseases	2025	KEMAS	Scopus Q4 (Journal)
57		Holistic Prenatal Class-Based Learning Model and Its Effect on Pregnant Women’s Anxiety	2025	Health Education and Health Promotion	Scopus Q3 (Journal)
58		Hypertension in Pregnancy: A Nested Case-Control Study	2025	KEMAS	Scopus Q4 (Journal)

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59		Prokes rematri Web-based App: Development, Testing and Construct Validation of Content to Control Undernutrition at Female Teenager as Early Prevent Stunting in Life Cycle	2025	Advance Sustainable Science Engineering and Technology	Scopus Q3 (Journal)
60		What Influences Women's Knowledge, Attitudes, and Practices Toward Preconception Care? A Systematic Review and Meta-Analysis	2025	F1000Research	Scopus Q1 (Journal)
61		Effects of Low-Dose Kinetin, 2,4-D and Monochromatic Light Conditions on Flavonoid Content in Callus Culture of Dioscorea esculenta	2024	Trends in Sciences	Scopus Q2 (Journal)
62		Growth and production of secondary metabolites in the callus of Bima Brebes shallot varieties	2024	Biodiversitas	Scopus Q2 (Journal)
63		Molecular Mechanisms of Increased Platelets: An In Silico of the Active Compounds in Psidium guajava	2024	Biosaintifika	Scopus Q3 (Journal)
64		Potency of Elaeocarpus grandiflorus Leaf Extract as Anti-obesity: in vivo and silico Study	2024	Biosaintifika	Scopus Q3 (Journal)
65	Prof. Dr. Nana Kariada Tri Martuti, M.Si.	Microbial diversity in pesticidal and non-pesticidal paddy soil microbiomes	2023	Biodiversitas	Scopus Q2 (Journal)
66		Springs Distribution and Biophysical Mapping as a Strategy to Preserve Water Sources in Semarang City, Indonesia	2023	Journal of Environmental Management and Tourism	Scopus indexed (Journal; no quartile)
67	Prof. Dr. Enni Suwarsi Rahayu, M.Si.	Ethnobiology of plant and animal-based foods among the Bajo People in Gorontalo, Indonesia	2026	Biodiversitas: Journal of Biological Diversity	Scopus Q3; DOAJ; Crossref

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68		Effect of BAP and Picloram on Shoot Induction (Musa acuminata Colla var. Mulu Bebek)	2025	Biosaintifika	Scopus Q3 (Journal)
69		Enhancing Plantlet Growth of Vanda floresensis Motes through Acclimatization Chamber, Chitosan Spraying, and Mixed Medium	2025	Biosaintifika	Scopus Q3 (Journal)
70		Research Trends of Augmented Reality in Biology Learning: Content and Bibliometric Mapping Analysis	2025	Malaysian Journal of Learning and Instruction	Scopus Q1 (Journal)
71		Ethnobotanical Study on Plants Used as Natural Dye by Handwritten Batik Craftsmen in Cirebon Indonesia	2024	Biosaintifika	Scopus Q3 (Journal)
72		Development of Photomixotrophic Culture Protocol of Lemongrass Through Sucrose Concentration Increase and Light Intensity Decrease	2023	Biosaintifika	Scopus Q3 (Journal)
73		Genetic characterization of superior durian (Durio zibethinus L.) accessions in Batang District, Central Java, Indonesia based on ISSR markers	2023	Biodiversitas	Scopus Q2 (Journal)
74	Prof. Dr. Noor Aini Habibah, M.Si.	Effect of BAP and Picloram on Shoot Induction (Musa acuminata Colla var. Mulu Bebek)	2025	Biosaintifika	Scopus Q3 (Journal)
75		Enhancing Plantlet Growth of Vanda floresensis Motes through Acclimatization Chamber, Chitosan Spraying, and Mixed Medium	2025	Biosaintifika	Scopus Q3 (Journal)
76		Karyotype analysis of Eleutherine bulbosa (Iridaceae) from Kalimantan, Indonesia	2025	Biodiversitas	Scopus Q2 (Journal)

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77		Effects of Low-Dose Kinetin, 2,4-D and Monochromatic Light Conditions on Flavonoid Content in Callus Culture of <i>Dioscorea esculenta</i>	2024	Trends in Sciences	Scopus Q2 (Journal)
78		Growth and production of secondary metabolites in the callus of Bima Brebes shallot varieties	2024	Biodiversitas	Scopus Q2 (Journal)
79		Callogenesis of Dayak Onion (<i>Eleutherine palmifolia</i>) Bulb in response of Picloram, 2,4-D, and Kinetin	2023	Biosaintifika	Scopus Q3 (Journal)
80		Influence of Plant Growth Regulators on the Phenolic Composition of <i>Elaeocarpus grandiflorus</i> J.E. Smith (Elaeocarpaceae) Cell Culture	2023	Pakistan Journal of Botany	Scopus Q2 (Journal)
81	Prof. Dr. Margareta Rahayuningsih, M.Si.	Ethnobiology of plant and animal-based foods among the Bajo People in Gorontalo, Indonesia	2026	Biodiversitas: Journal of Biological Diversity	Scopus Q3; DOAJ; Crossref
82		From Socialization to Collaboration: Community Engagement in the UNNES Special Purpose Forest Area (KHDTK), Mount Ungaran, for Conservation and Sustainable Use	2026	Jurnal Abdimas	SINTA/DOAJ/GARUDA/Dimensions;
83		On the arrow-tailed flying squirrel (<i>Hylopetes sagitta</i>) from Mt. Ungaran, Java	2025	Taprobanica	Scopus Q3 (Journal)
84		The Species Richness of Plant in Ngesrepbalong Village which have the Potential to be used as Natural Ecoprint Motifs	2025	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
85		Effectiveness of a Teaching Material: News-Based Teaching of Mount Ungaran	2023	Biosaintifika	Scopus Q3 (Journal)

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86		Microbial diversity in pesticidal and non-pesticidal paddy soil microbiomes	2023	Biodiversitas	Scopus Q2 (Journal)
87		Springs Distribution and Biophysical Mapping as a Strategy to Preserve Water Sources in Semarang City, Indonesia	2023	Journal of Environmental Management and Tourism	Scopus indexed (Journal; no quartile)
88	Prof. Dr. Nugrahaningsih W.H., M.S.	Assessing Pre-Service Science Teachers' Technological Pedagogical Content Knowledge (TPACK) in the Hybrid Learning Environment	2025	Jurnal Pendidikan IPA Indonesia	Scopus Q2 (Journal)
89		A Cytotoxic Activity of Clitoria ternatea Flower Tea with the Cinnamon and Lemongrass Oil Vapor against T47D Breast Cancer Cells	2024	Biosaintifika	Scopus Q3 (Journal)
90		Molecular Mechanisms of Increased Platelets: An In Silico of the Active Compounds in Psidium guajava	2024	Biosaintifika	Scopus Q3 (Journal)
91		Potency of Elaeocarpus grandiflorus Leaf Extract as Anti-obesity: in vivo and silico Study	2024	Biosaintifika	Scopus Q3 (Journal)
92		Influence of Plant Growth Regulators on the Phenolic Composition of Elaeocarpus grandiflorus J.E. Smith (Elaeocarpaceae) Cell Culture	2023	Pakistan Journal of Botany	Scopus Q2 (Journal)
93	Prof. Dr. Saiful Ridlo, M.Si.	Higher order thinking skills research trends: a bibliometric analysis in selected journals (2014 to 2023)	2025	International Journal of Evaluation and Research in Education	Scopus Q2 (Journal)
94		Elaborating ethnobotanical knowledge of bael (Aegle marmelos (L.) Corrêa) in augmented reality-based learning media with a STEM	2024	Ethnobotany Research and Applications	Scopus Q1 (Journal)

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		approach to increase students' naturalist intelligence			
95		Socio-scientific Issues (SSI) research trends: A systematic literature review of publications 2011–2022	2024	Journal of Turkish Science Education	Scopus Q2 (Journal)
96		Microphotography using microscope made of mineral water bottle	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
97		The biomimicry revolution: Learning from nature how to inhabit the earth. Dicks, H. (2023)	2023	Regional Science Policy and Practice	Scopus Q2 (Journal)
98	Prof. Dr. Aditya Marianti, M.Si.	Effects of Green Tea Extract (<i>Camellia sinensis</i> L.) on Blood Biochemical Parameters in Paracetamol-Induced Wistar Rats	2026	Jurnal Kebidanan dan Kesehatan Tradisional	SINTA 3 (journal website); Crossref/DOI
99		Ethnobiology of plant and animal-based foods among the Bajo People in Gorontalo, Indonesia	2026	Biodiversitas: Journal of Biological Diversity	Scopus Q3; DOAJ; Crossref
100		Pengaruh Nanopartikel Ekstrak Asam Jawa terhadap Perubahan Morfologi dan Histologi Testis Tikus Hiperglikemia	2025	Indonesian Journal of Mathematics and Natural Sciences	Crossref/DOI;
101		Media and Context of Science Education in TPACK: A Systematic Review	2024	Journal of Educational Cultural and Psychological Studies	Scopus Q4 (Journal)
102		Nano-chitosan mitigates lead acetate-induced histological changes in rat testicular seminiferous tubules	2024	Acta Scientiarum - Biological Sciences	Scopus Q3 (Journal)
103		Pharmacokinetics Profile of Chitosan Nanoparticles in Chronic Lead-induced Toxicity Rats Model	2024	Biosaintifika	Scopus Q3 (Journal)

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104		Protective Effects of Chitosan Nanoparticles against Hepatic and Renal Damage in Rats with Chronic Lead Poisoning	2024	Iranian Journal of Toxicology	Scopus Q4 (Journal)
105		The effect of using a virtual anatomy system of student misconceptions on reproductive system	2024	Journal of Turkish Science Education	Scopus Q2 (Journal)
106		The biomimicry revolution: Learning from nature how to inhabit the earth. Dicks, H. (2023)	2023	Regional Science Policy and Practice	Scopus Q2 (Journal)
107	Prof. Dr. Niken Subekti, M.Si.	Development and characterization of novel particleboard panels manufactured from organic waste with fiberglass reinforcement	2025	Results in Engineering	Scopus Q1 (Journal)
108		Efficiency test of insecticide with pirimiphos-methyl and alpha-cypermethrin on <i>Musa domestica</i> using surface spraying method	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
109		Hot-pressing effect on the termite durability of sandwich particleboards from <i>Styrax sumatrana</i> and <i>Gigantochloa pruriens</i>	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
110		Sulfuryl fluoride safe dosage test to mortality of <i>Tribolium castaneum</i> Herbst on corn and rice flour commodities in warehouse	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
111		The Application of Entomopathogenic Fungi <i>Metarhizium anisopliae</i> , <i>Beauveria bassiana</i> , and <i>Trichoderma harzianum</i> for <i>Coptotermes curvignathus</i> and <i>Cryptotermes cynocephalus</i> Termite Control in Indonesia	2024	Journal of the Korean Wood Science and Technology	Scopus Q2 (Journal)
112		The effect of chemically modified wood particles on the termite durability of sandwich	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)

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		particleboard from <i>Cotylelobium melanoxylon</i> and <i>Gigantochloa pruriens</i>			
113		Biological Control Test of Poultry Pest <i>Alphitobius diaperinus</i> (Coleoptera: Tenebrionidae) with Mahogany and Papaya Seeds Extract	2023	International Journal of Agriculture and Biology	Scopus Q3 (Journal)
114		Characteristics of <i>Simalambuo</i> (<i>Lophopetalum</i> sp.) wood from Nias Island, North Sumatra Province, Indonesia	2023	Biodiversitas	Scopus Q2 (Journal)
115		Crude Cellulases from Subterranean Termite Extract (<i>Macrotermes gilvus</i> Hagen) for Saccharification of Leaf Litter and Biosoftenening Process in Skeleton Leaf Crafts Making	2023	Journal of Microbiology, Biotechnology and Food Sciences	Scopus Q3 (Journal)
116		Termite Identification Attacks on Buildings	2023	Biosaintifika	Scopus Q3 (Journal)
117	Dr. Sigit Saptono, M.Pd.	Science learning innovation in junior high school: Exploring teachers' needs for the implementation of inquiry guide-STEAM	2025	Multidisciplinary Science Journal	Scopus Q4 (Journal)
118		Media and Context of Science Education in TPACK: A Systematic Review	2024	Journal of Educational Cultural and Psychological Studies	Scopus Q4 (Journal)
119		Bridging the generational gap: Exploring youth understanding on ethnobotanical knowledge and its integration in higher education curricula	2023	Ethnobotany Research and Applications	Scopus Q1 (Journal)
120		Next generation science standards assessment for Java coastal students	2023	Journal of Education and Learning	Scopus Q4 (Journal)

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121		Relationship analysis of the competence of excellent pre-service teachers: implementation scaffolding argument-driven by via inquiry learning design based on scientific literacy	2023	Perspektivy Nauki I Obrazovania	Scopus Q2 (Journal)
122		Scientific creative problem solving for introductory physics with biological context	2023	AIP Conference Proceedings	Scopus Q4 (Conference Proceeding)
123	Dr. Y. Ulung Anggraito, M.Si.	Enhancing Plantlet Growth of Vanda floresensis Motes through Acclimatization Chamber, Chitosan Spraying, and Mixed Medium	2025	Biosaintifika	Scopus Q3 (Journal)
124		Influence of Plant Growth Regulators on the Phenolic Composition of Elaeocarpus grandiflorus J.E. Smith (Elaeocarpaceae) Cell Culture	2023	Pakistan Journal of Botany	Scopus Q2 (Journal)
125	Dr. Siti Alimah, M.Pd.	Assessing Pre-Service Science Teachers' Technological Pedagogical Content Knowledge (TPACK) in the Hybrid Learning Environment	2025	Jurnal Pendidikan IPA Indonesia	Scopus-indexed; SINTA; DOAJ; Garuda; Dimensions
126		Ethnoecological Study of Sendang Surodilogo in Kertek District, Wonosobo Regency as a Learning Resource	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
127		Improving Understanding of Students Digestive Concepts with PALED 3D Learning Media	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
128		The Effect of Digital Snakes and Ladders of Human Excretion on The Motivation and Analytical Skills of High School Students	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)

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129	Dr. Pramesti Dewi, M.Si.	Antibacterial Activity Test of the Combination of Bay Leaf (<i>Syzygium polyanthum</i>) Extract and Nanochitosan Against <i>Escherichia coli</i> and <i>Bacillus subtilis</i>	2025	Life Science	SINTA 4; Crossref/DOI; Google Scholar/Garuda
130		Comparison of the Rate and Level of Biodegradation of Leaf Waste by Lignocellulolytic Molds from Universitas Negeri Semarang Campus	2025	Life Science	SINTA 4; Google Scholar/Garuda
131		Isolation, Characterization, and Identification of Biosurfactant-Production Bacteria from Used Cooking Oil Waste	2025	Bioeksperimen: Jurnal Penelitian Biologi	SINTA 4; Crossref/DOI; Google Scholar/Garuda
132		Utilization of Local Micro Organisms (LMO) in Making Liquid Organic Fertilizer (LOF) by Utilizing Vegetable Waste	2025	Jurnal Penelitian Pendidikan IPA	DOAJ; Google Scholar; SINTA profile entry
133		Computer Assisted Instruction Media: Impact to Students Digital Literacy and Learning Outcomes	2024	Unnes Science Education Journal	Google Scholar/SINTA profile entry;
134		Pengaruh Variasi Metode Ekstraksi Metabolit Sekunder Bakteri Endofit Daun Rambutan (<i>Nephelium lappaceum</i> L.) terhadap Pertumbuhan <i>Escherichia coli</i> dan <i>Bacillus subtilis</i>	2024	Life Science	SINTA 4; Crossref/DOI; Google Scholar/Garuda
135		Pest and Disease Control Training for Women's Urban Farming Group in Semarang, Indonesia	2024	Journal of Community Empowerment	DOAJ; SINTA; Garuda; Dimensions
136	Dr. Lina Herlina, M.Si.	Characterization of Plant Growth Promoting Rhizobacteria from Dominant Weeds Inhabited in Kaligarang River Delta, Indonesia	2026	Yuzuncu Yıl University Journal of Agricultural Sciences	Scopus Q3; DOAJ; AGRIS; Crossref/DOI

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137		Sebuah Studi Kualitatif Tentang Persepsi Ibu terhadap Kesiapan Sekolah Anak	2026	Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini	SINTA/DOAJ; Crossref/DOI;
138		Diversity of Local Rice in Gunung Mas Regency, Central Kalimantan, Indonesia	2025	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
139		Profiling Key Metabolites in Shallot Under Fusarium Infection	2025	SABRAO Journal of Breeding and Genetics	Scopus Q2 (Journal)
140		Strategic mapping of food assets to enhance food security and foster Circular Economy in Semarang City: A sustainable perspective	2024	Visions for Sustainability	Scopus Q3 (Journal)
141		Unveiling alliinase gene candidates in shallots using resistance gene motif-based degenerate primers	2024	Journal of Tropical Plant Pests and Diseases	Scopus Q3 (Journal)
142		Conservation of agricultural genetic resources as an indicator of the Sustainable Development Goals (SDGs) in Indonesia	2023	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
143		Effect of genetic modified maize contained Cry1Ab gene on the arthropods abundance and diversity in limited test field	2023	Journal of Tropical Plant Pests and Diseases	Scopus Q4 (Journal)
144		Evaluation of Hard Seed in Indonesia Local Mungbean (<i>Vigna radiata</i> L.)	2023	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
145		Genetic diversity and proximate analysis of Indonesian local mung bean (<i>Vigna radiata</i>)	2023	Biodiversitas	Scopus Q2 (Journal)

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146		Study the Effect of Shade Stress on Indonesian Soybeans to Anticipate the Need for Breeding Superior Variety	2023	E3S Web of Conferences	Scopus Q4 (Conference Proceeding)
147	Dr. Andin Irsadi, S.Pd., M.Si.	Coastal Erosion Reduces Resilience and Disrupts Compositional Dynamics of The Mangrove Ecosystem	2025	Biosaintifika	Scopus Q3 (Journal)
148		Effectiveness of a Teaching Material: News-Based Teaching of Mount Ungaran	2023	Biosaintifika	Scopus Q3 (Journal)
149	Dr. Sri Sukaesih, S.Pd., M.Pd.	Analysis of the Need for Teaching Aids in Learning the Concept of Work and Energy to Enhance Students' Understanding	2025	Jurnal Pendidikan Sains Indonesia	SINTA 2; Garuda; Google Scholar
150		Development of a Creativity Assessment Instrument for Prospective Biology Teachers in the Bioedutainment Course	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
151		Preliminary Analysis of Students' Problem Solving Ability and Self-Efficacy in IPAS Subject at Community Learning Center (CLC) Sabah Malaysia	2025	Jurnal Penelitian Pendidikan IPA	DOAJ; Google Scholar/SINTA profile entry
152		Systematic Literature Review: Tren Penelitian Literasi Sains Siswa SMA Berorientasi PISA di Indonesia Periode 2016-2025	2025	Jurnal Pendidikan MIPA	Google Scholar/SINTA profile entry;
153	Dra. Ely Rudyatmi, M.Si.	The Potential of ZICURMA Herbal Supplement in Inhibiting Pro-Inflammatory Cytokines as Therapeutic Agents in SARS-CoV2 Infection	2023	Trends in Sciences	Scopus Q3 (Journal)
154	Drs. Nugroho Edi Kartijono, M.Si.	Analisis Struktur dan Profil Vegetasi Mangrove di Kecamatan Sayung Kabupaten Demak	2024	Life Science	SINTA 4; Google Scholar/Garuda

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155		Analysis of Students' Environmental Literacy Skill in Adiwiyata High Schools in Semarang	2024	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
156		Pengembangan Kegiatan Inovatif Ramah Lingkungan di Calon Sekolah Adiwiyata Wilayah Kabupaten Semarang	2024	Jurnal Dharma Indonesia	Crossref/DOI; Google Scholar/SINTA profile entry
157		Social-Crowdfunding "Pohon Asuh" Sebagai Upaya Rehabilitasi Kawasan Hutan Gunung Ungaran	2023	ABDIMASKU: Jurnal Pengabdian Masyarakat	SINTA/ISSN; Google Scholar/Garuda
158	Dra. Endah Peniati, M.Si.	Genetic Distance and Conservation Status of Stingray Species at TPI Tasik Agung Rembang, Central Java based on the Mitochondrial Cytochrome Oxidase I Gene	2023	Science and Technology Asia	Scopus Q3 (Journal)
159	Drs. Ibnul Mubarak, M.Sc.	Crude Cellulases from Subterranean Termite Extract (<i>Macrotermes gilvus</i> Hagen) for Saccharification of Leaf Litter and Biosoftening Process in Skeleton Leaf Crafts Making	2023	Journal of Microbiology, Biotechnology and Food Sciences	Scopus Q3 (Journal)
160	Dr. drh. Wulan Christijanti, M.Si.	Effects of Green Tea Extract (<i>Camellia sinensis</i> L.) on Blood Biochemical Parameters in Paracetamol-Induced Wistar Rats	2026	Jurnal Kebidanan dan Kesehatan Tradisional	SINTA 3 (journal website); Crossref/DOI
161		Pengaruh Nanopartikel Ekstrak Asam Jawa terhadap Perubahan Morfologi dan Histologi Testis Tikus Hiperlikemia	2025	Indonesian Journal of Mathematics and Natural Sciences	Crossref/DOI;
162		Antihyperlipidemic Activity of Tamarind (<i>Tamarindus indica</i>) Extract on the Lipid Profile of Albino Rats	2024	Biosaintifika	Scopus Q3 (Journal)

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163		Potency of Elaeocarpus grandiflorus Leaf Extract as Anti-obesity: in vivo and silico Study	2024	Biosaintifika	Scopus Q3 (Journal)
164		Profiling of the intestinal microbiota of stunted children in Semarang, Indonesia	2024	Biodiversitas	Scopus Q2 (Journal)
165		Tomatidine Extraction from Various Solvents and Cancer Inhibition Mechanism Through In Silico Analysis	2023	Trends in Sciences	Scopus Q3 (Journal)
166	Drs. F. Putut Martin Herry Bodijantoro, M.Si.	The Development Of E-Comic As A Media For Learning Biology Subject In The Psychotropic Material	2024	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
167	Ir. Nur Rahayu Utami, M.Si.	Development of Android-Based E-Module Media through Problem Based Learning on Environmental Change Material to Improve Critical Thinking	2024	Journal of Biology Education	Google Scholar; SINTA status
168		Development of E-Module Based on Contextual Teaching and Learning on Human Mobility Material to Improve Science Literacy Abilities of Class XI Students	2024	Journal of Biology Education	Google Scholar; SINTA status
169		Development of Educational Game-Based Student Worksheets on Reproductive System Materials to Improve Student Interest and Learning Outcomes	2023	Journal of Biology Education	Google Scholar; SINTA status
170		Pelatihan Ecoprint Sebagai Diversifikasi Produk Batik Kelompok Puspandari Desa Ngesrepbalong	2023	Jurnal Pengabdian UntukMu NegeRI	Google Scholar;

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171		Pelatihan Labelling dan Pengemasan Produk Makanan PKK Gunungsari	2023	Prosiding Seminar Nasional Pengabdian Kepada Masyarakat	Proceedings; Google Scholar;
172		The Development of My Repro Media in Learning The Human Reproductive System to Improve Learning Outcomes of High School Students	2023	Journal of Biology Education	Google Scholar; SINTA status
173	Dr. Dewi Mustikaningtyas, S.Si., M.Si.Med.	Inhibitory Effect of Curcuma xanthorrhiza Extract Against SARS-CoV-2 D614G Virus-Like Particle (VLP): Implications for COVID-19 Therapy Development	2026	Scientific World Journal	Scopus Q1 (Journal)
174		Zingiber officinale Extract Inhibits Entry of SARS-CoV-2 D614G Virus-Like Particles to 6HBE14o-cells: In Vitro and In Silico Approaches	2025	Tropical Journal of Natural Product Research	Scopus Q3 (Journal)
175		Design of Epitope-Based Vaccine Against SARS-CoV-2: An Immuno-Informatics Study	2024	Journal of Tropical Life Science	Scopus Q4 (Journal)
176		Growth and production of secondary metabolites in the callus of Bima Brebes shallot varieties	2024	Biodiversitas	Scopus Q2 (Journal)
177		Predictive action of oncomiR in suppressing TP53 signaling pathway in hypoxia-conditioned colon cancer cell line HCT-116	2024	Cell Biology International	Scopus Q2 (Journal)
178		Profiling of the intestinal microbiota of stunted children in Semarang, Indonesia	2024	Biodiversitas	Scopus Q2 (Journal)
179		Molecular Docking of the Cannabis sativa L. Bioactive Compound Against Inflammation Induced by Cigarette Smoke Exposure	2023	Biosaintifika	Scopus Q3 (Journal)

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180		OncomiR Structure and Network Prediction on Adenomatosis Polyposis Coli (APC) Gene Silencing Regulation in Colorectal Cancer	2023	Trends in Sciences	Scopus Q3 (Journal)
181	Talitha Widiatningrum, M.Si., Ph.D.	Characterization of Plant Growth Promoting Rhizobacteria from Dominant Weeds Inhabited in Kaligarang River Delta, Indonesia	2026	Yuzuncu Yıl University Journal of Agricultural Sciences	Scopus Q3; DOAJ; AGRIS; Crossref/DOI
182		Fertilizer Diversification as a Pathway to Agricultural Employment Growth in Central Java	2026	JEJAK	SINTA; DOAJ; Dimensions; GARUDA
183		Model for implementing sustainable agriculture based on good agricultural practice as a strategy for adapting to the impact of climate change	2025	Edelweiss Applied Science and Technology	Scopus Q4 (Journal)
184		Analysis of the Impacts of the Covid-19 Pandemic on Rice Farming Efficiency Level: An Empirical Study in Central Java Province, Indonesia	2024	Management and Accounting Review	Scopus Q3 (Journal)
185		Metagenomic analysis of soil forest microbiota on Mount Ungaran, Central Java, Indonesia	2024	IOP Conference Series: Earth and Environmental Science	Scopus Q3 (Conference Proceeding)
186		Application of Rabbit Urine and Manure Based Fertilizer on the Growth of Arabica and Robusta Coffee Seedlings	2023	Biosaintifika	Scopus Q3 (Journal)
187		Microbial diversity in pesticidal and non-pesticidal paddy soil microbiomes	2023	Biodiversitas	Scopus Q2 (Journal)
188	Dr. Muhammad Abdullah, M.Si.	Pemantauan Kondisi Vegetasi Riparian di Sekitar Habitat Ikan Mahseer di Jawa Tengah	2026	Jurnal Enviscience	SINTA 5

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		Berdasarkan Indeks Vegetasi dari Citra RGB Menggunakan Unmanned Aerial Vehicle (UAV)			
189		Effects of Seasonal Transitions on Population Dynamics of Fruit Flies in Capsicum annuum and Solanum lycopersicum in Batu City, Indonesia	2025	Biosaintifika	Scopus Q3 (Journal)
190		Ethnobotanical Insights into Plant Diversity along the Ecotourism Corridor of Mount Prau in Purwosari Village, Indonesia	2024	Jurnal Pendidikan IPA Indonesia	Scopus Q2 (Journal)
191		Invasive Alien Plant Species on Hiking Trails in Mount Prau, Indonesia	2024	BIO Web of Conferences	Scopus Q4 (Conference Proceeding)
192		Mountain tourism impact on bird diversity along hiking trails of Mount Prau, Central Java, Indonesia	2024	Biodiversitas	Scopus Q2 (Journal)
193	Lutfia Nur Hadiyanti, S.Pd., M.Pd.	Assessing Pre-Service Science Teachers' Technological Pedagogical Content Knowledge (TPACK) in the Hybrid Learning Environment	2025	Jurnal Pendidikan IPA Indonesia	Scopus-indexed; SINTA; DOAJ; Garuda; Dimensions
194		Development of a Creativity Assessment Instrument for Prospective Biology Teachers in the Bioedutainment Course	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
195		The Effect of STAD-based QuizWhizzer on Students' Cognitive Learning Outcomes and Enthusiasm on Circulatory System	2025	Journal of Biology Education	DOAJ; Garuda; Google Scholar (current SINTA rank)
196		Development of Science Literacy Corner in WiSe Reading Community: Bringing Science to Everyone	2024	Jurnal Abdimas	SINTA; DOAJ; Garuda; Dimensions

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197		Analisis Profil Miskonsepsi Siswa pada Materi Protista Menggunakan Three Tier Test	2023	Prosiding Seminar Nasional Biologi	National proceedings; Google Scholar/SINTA profile entry
198		Development Vegetables Organic in Agriculture Urban	2023	Jurnal Abdimas	SINTA; DOAJ; Garuda; Dimensions
199	Ahmad Naharuddin Ramadhan, S.Pd., M.Pd.	Exploring Future Biology Teachers' Literacy: A Pathway to Contextual Curriculum Innovation in Archipelagic Education	2026	Al-Irsyad: Journal of Education Science	Crossref/DOI;
200		Meaningful Ethnoscience Integrated Problem-Based Learning for Analytical Thinking and Curiosity	2026	Jurnal VARIDIKA	Crossref/DOI;
201		Implementasi Pelatihan Menulis Akademik bagi Mahasiswa: Upaya Meningkatkan Kompetensi Literasi Tulis	2025	Jurnal Kreativitas dan Inovasi (Jurnal Kreanova)	Crossref/DOI;
202		Problem-Solving on Coastal Environmental Issues: A Study of Pre-Service Biology Teachers' Competencies	2025	Proceeding of International Conference on Biology Education, Natural Science, and Technology	Conference proceeding;
203		The Relationship between Conceptual Understanding and Students' Academic Achievement in Biochemistry Courses	2025	Pro-Life	Crossref/DOI;
204	Fitarahmawati, S.Pd., M.Pd.	The Relationship between Conceptual Understanding and Students' Academic Achievement in Biochemistry Courses	2025	Pro-Life	Crossref/DOI;

