

Science Education Study Program Research Publications

No	Year	Title	Author(s)	Journal Name/Publication
1	2020	OPTIMALISASI PEMANFAATAN PEWARNA ALAMI (NATURAL DYES) UNTUK PREPARAT MASERASI (GOSOK) TULANG	H Harlita	Florea: Jurnal Biologi dan Pembelajarannya
2	2020	Pre-service Teacher Conceptions of Integrated STEM Using the Engineering Design Approach	M Ramli	2020 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE)
3	2020	Profile of Students' Creative Thinking Skills in Science Learning	L Mahardiani, S Yamtinah	3rd International Conference on Learning Innovation and Quality Education
4	2020	Profile of students' critical thinking skills in junior high schools in Surakarta	W Sunarno	3rd International Conference on Learning Innovation and Quality Education (ICLIQE 2019)
5	2020	Self-Efficacy in Scientific Literacy Student Ability Based on Gender	S Yamtinah	3rd International Conference on Learning Innovation and Quality Education (ICLIQE 2019)

6	2020	The Analysis of Learning Progression on Genetics	M Ramli	3rd International Conference on Learning Innovation and Quality Education (ICLIQE 2019)
7	2020	Bioremediation of nickel heavy metals in electroplating industrial liquid waste with Bacillus subtilis	M Masykuri	AIP Conference Proceedings
8	2020	Flexural and inflammability properties of FA/CF/Phenolic hybrid composite	M Masykuri	AIP Conference Proceedings
9	2020	Fly ash/ripoxy composite: Inflammability on horizontal and surface burning	M Masykuri	AIP Conference Proceedings
10	2020	Performance of biofoam polyurethane-urea/rice straw waste (Oryza Sativa) as a noise reducer	M Masykuri	AIP Conference Proceedings
11	2020	Reducing room noise using polyurethane-urea biofoam/industrial plywood sawdust waste (PUU/IPSW)	M Masykuri	AIP Conference Proceedings

12	2020	The dynamics of organic pollutant pollution of phosphate, sulphate, nitrite, and nitrate parameters in Cengklik Reservoir water	M Masykuri	AIP Conference Proceedings
13	2020	The role of cobalt oxide or magnesium oxide in ozonation of ammonia nitrogen in water	L Mahardiani	Applied Catalysis A: General
14	2020	Analysis of the Critical Thinking Initial Ability about Static Fluid Material in Class XI of SMA Negeri 7 Surakarta	W Sunarno	Basic and Applied Education Research Journal
15	2020	Morphoanatomy of three Indigofera species (Leguminosae-Papilionoideae) in Java, Indonesia	M Ramli	Biodiversitas Journal of Biological Diversity
16	2020	Enhancing students' thinking skills through project-based learning in biology	S Widoretno, M Ramli	Biosfer: Jurnal Pendidikan Biologi
17	2020	Structure and activity of activated carbon functionalized with maleic anhydride by diels-alder reaction	L Mahardiani	Catalysis Today

18	2020	Development of Science Test To Measure Hots and Digital Literacy of Junior High School Students on the Topic of City Noise	M Masykuri	Edusains
19	2020	Pengaruh kemampuan berpikir analitis pada pembelajaran berbasis masalah (PBL) terhadap hasil belajar ranah pengetahuan	W Sunarno	Edusains
20	2020	PROBLEM-SOLVING AND PROBLEM-POSING LEARNING MODEL ENRICHED WITH THE MULTIPLE REPRESENTATION IN TETRAHEDRAL CHEMISTRY TO ENHANCE STUDENTS' CONCEPTUAL UNDERSTANDING	NY Indriyanti	EDUSAINS
21	2020	Development of the Discovery With Team Assisted Individualization (D-TAI) Model to Empower Analytical Thinking Ability in the Material Human Reproductive System	M Masykuri	IJIS Edu: Indonesian Journal of Integrated Science Education
22	2020	Efek Edukasi Kartun Islami Terhadap Kecerdasan Spiritual Anak Sdn 1 Purwosari Kabupaten Kudus	S Sukarmin	Indonesia Jurnal Kebidanan
23	2020	Pengaruh Terapi Memori Terhadap Kemampuan Kognitif Pada Pasien Stroke Non Hemoragik Di Rsud Ra Kartini Jepara	S Sukarmin	Indonesia Jurnal Perawat

24	2020	Analisis Kemampuan Tpack (Technolgical, Pedagogical, and Content, Knowledge) Guru Biologi Sma Dalam Menyusun Perangkat Pembelajaran Materi Sistem Peredaran Darah	M Masykuri, S Sarwanto	Inkuiri: Jurnal Pendidikan IPA
25	2020	Synthesis and characterization of pectin-chitosan crosslinked of BADGE for adsorbents candidate of textile dye waste water	B Hastuti,	Int. J. Adv. Sci. Eng. Inf. Technol
26	2020	Analysis of the need for development of process oriented guided inquiry learning (POGIL) learning tools in natural science learning in junior high schools	NY Indriyanti	International Conference on Mathematics and Science Education
27	2020	Software Development to Reduce Misconceptions Using Conceptual Change Text Strategy on Chemical Bonding Matter	S Sukarmin	International Journal of Chemistry Education Research
28	2020	The effectiveness of software as learning media to detect and reduce misconception in stoichiometry material	S Sukarmin	International Journal of Chemistry Education Research
29	2020	An Inquiry into Students' Metacognition and Learning Achievement in a Blended Learning Design	N Indriyanti, S Yamtinah	International Journal of Emerging Technologies in Learning (iJET)

30	2020	A New Chemistry Multimedia: How Can It Help Junior High School Students Create a Good Impression?.	NY Indriyanti	International Journal of Instruction
31	2020	The Use of Critical Thinking Aspects on Module to Enhance Students' Academic Achievement.	S Widoretno	International Journal of Intruccion
32	2020	Shadow Education in Indonesia: Is It Relevant to Students' Critical Thinking Skills in Chemistry Learning?	S Mulyani, S Yamtinah	International Journal of Learning, Teaching and Educational Research
33	2020	Smartphone based Learning Media: Elementary School Teachers' Perspective on Technology Intervention in Teaching	S Sarwanto	International Journal of Multicultural and Multireligious Understanding
34	2020	Adsorption of Pb (II) ion using pectin membranea	B Hastuti,	IOP Conference Series: Materials Science and Engineering
35	2020	Constructing hydrotalcite Mg-Al-CÜ3 by utilizing CO32-' from natural resource	L Mahardiani	IOP Conference Series: Materials Science and Engineering

36	2020	Fabrication of silver-chitosan nanocomposite films and their antibacterial activity	E Susilowati,	IOP Conference Series: Materials Science and Engineering
37	2020	Synthesis and Characterization of Chitosan Membrane as a Matrix in Drug Delivery of Curcumin	B Hastuti,	IOP Conference Series: Materials Science and Engineering
38	2020	Synthesis and Characterization of Pectin Membrane as a Matrix for Curcumin Sustained-Release	B Hastuti,	IOP Conference Series: Materials Science and Engineering
39	2020	Utilization of Mendong Plant Activated Charcoal as SO <sub>2</sub> Gas Adsorbent: Preliminary Study	NY Indriyanti, L Mahardiani	IOP Conferences Series
40	2020	The Science Learning Material Using Pjbl Model Integrated With Science, Technology, Engineering, And Mathematics (Stem) Approaches To Enhance Students' Communication Skills	S Yamtinah, S Sukarmin	JKPK (Jurnal Kimia Dan Pendidikan Kimia)
41	2020	Development learning cycle 5e module integrated with science, technology, engineering, and mathematics (stem) in thermochemistry	M Masykuri	JKPK (JURNAL KIMIA DAN PENDIDIKAN KIMIA)

42	2020	Potential of Water Extract of The White Frangipani ( <i>Plumeria acuminata</i> ) and Hibiscus ( <i>Hibiscus tiliaceus</i> ) LEAVES Powder as Textile Natural Coloring	S Mulyani	JKPK (Jurnal Kimia dan Pendidikan Kimia)
43	2020	Analysis effect of creativity on the learning outcome of middle-school students in the earth structure and layer topic	M Masykuri, W Sunarno	Journal od Physics: Conference Series
44	2020	Creative thinking profile of junior high school students on learning science	M Masykuri, W Sunarno	Journal od Physics: Conference Series
45	2020	Optimization of NaCl concentration and electrocoagulation processing time to reduce the level of chromium heavy metal solutions	M Masykuri	Journal od Physics: Conference Series
46	2020	Soil and banana crops ( <i>Musa paradisiaca</i> L.) risk by chromium (Cr) accumulation through leachate and its health risk assessment	M Masykuri	Journal od Physics: Conference Series
47	2020	The appropriateness of developing the media: experts' validation and students' response of learning media based on augmented reality technology for natural science lesson	M Masykuri	Journal od Physics: Conference Series



48	2020	The development of android-based science learning media on human eyes topic	M Masykuri	Journal od Physics: Conference Series
49	2020	Validation of instrument to measure chemical literacy ability in islamic senior high school students	M Masykuri	Journal od Physics: Conference Series
50	2020	Environmental Literacy-Based on Adiwiyata Predicate at Junior High School in Ponorogo.	M Ramli	Journal of Biological Education Indonesia (Jurnal Pendidikan Biologi Indonesia)
51	2020	The Result Of Second Field Test Of Cellulose Degrading Bacteria From Mangrove Soil Microbiology Handout	FSA Nugraheni	Journal of Biological Science & Education
52	2020	Effectiveness of analytical thinking–based module to improve students’ learning outcomes using concept map	S Widoretno	Journal of Physics Conference Series
53	2020	Effectiveness of problem solving-based module to improve analytical thinking	S Widoretno	Journal of Physics Conference Series

54	2020	Example in concept map on discovery and reporting problem based learning accompanied by instructional techniques	S Widoretno	Journal of Physics Conference Series
55	2020	How interpersonal and generic science skills influence students' alternative conceptions in learning physics?	S Sarwanto	Journal of Physics Conference Series
56	2020	Identify students' scientific literacy through tests on kinetics of chemistry concept	S Mulyani, Sarwanto	Journal of Physics Conference Series
57	2020	Increase the hierarchy concept map score through the modification in the 2nd stage of problem-based learning	S Widoretno	Journal of Physics Conference Series
58	2020	Possibilities of dynamic assessment to enhance students' understanding on abstract science concepts: a systematic review	Suciati, M Ramli	Journal of Physics Conference Series
59	2020	Profile of senior high school students' misconception in physics using need-based analysis	S Sarwanto	Journal of Physics Conference Series

60	2020	Teacher's question in the stage of solution presentation and reflection problem-based learning for increasing valid relationship score on concept map	S Widoretno	Journal of Physics Conference Series
61	2020	The influence of the blended learning model supports e-learning (Edmodo) on student learning achievements the main material of buffer solutions in SMA 1 Banyudono academic year 2018		Journal of Physics Conference Series
62	2020	The role of performance and self-assessment to determine students' science process skills in SMP Negeri 11 Kota Tangerang Selatan	NY Indriyanti	Journal of Physics Conference Series
63	2020	7th grade student's creativity analysis on science learning	W Sunarno	Journal of Physics: Conference Series
64	2020	Adsorption of Methylene Blue Dyes Using Pectin Membrane	B Hastuti, E Susilowati	Journal of Physics: Conference Series
65	2020	Analysis of students' critical thinking skills on chapter of motion of objects and living things	W Sunarno	Journal of Physics: Conference Series

66	2020	Claim and warrant: a contextual physics learning strategy to enhance students' argumentation skills	W Sunarno	Journal of Physics: Conference Series
67	2020	Concept map and problem-based learning	S Widoretno, RM Probosari	Journal of Physics: Conference Series
68	2020	Developing environmental awareness through experiential learning: A critical analysis of higher education students' practices	RM Probosari	Journal of Physics: Conference Series
69	2020	Development of TPACK based-physics learning media to improve HOTS and scientific attitude	W Sunarno	Journal of Physics: Conference Series
70	2020	Development of TPACK based-physics learning media using macro VBA to enhance critical thinking skills	S Sukarmin, W Sunarno	Journal of Physics: Conference Series
71	2020	Evaluating students logical thinking ability: TPACK model as a physics learning strategy to improve students logical thinking ability	W Sunarno	Journal of Physics: Conference Series

72	2020	Implementation of 4Es combined with drill and practice learning model by considering mathematics ability on the students' learning achievement on the topic of solubility and ...	B Hastuti, NY Indriyanti	Journal of Physics: Conference Series
73	2020	Item analysis of teachnological pedagogical content knowledge (TPACK) in pre-service chemistry teachers using the Rasch Model application	M Masykuri, B Hastuti, S Mulyani	Journal of Physics: Conference Series
74	2020	Measurement of critical thinking in physics: the identification of students' critical thinking skill through the work report on momentum conservation?	W Sunarno	Journal of Physics: Conference Series
75	2020	Preparation of Nanocomposite Silver-Chitosan-Alginate Film as Antibacterial Material	E Susilowati, M Masykuri, B Hastuti	Journal of Physics: Conference Series
76	2020	The assessment of understanding biological concepts: a systematic review	M Ramli	Journal of Physics: Conference Series
77	2020	The influence of the blended learning model supports e-learning (Edmodo) on student learning achievements the main material of buffer solutions in SMA 1 Banyudono academic year ...	B Hastuti, B Utami	Journal of Physics: Conference Series

78	2020	Validation of TTMC instrument of pre-service chemistry teacher's TPACK using Rasch model application	S Yamtinah, E Susilowati	Journal of Physics: Conference Series
79	2020	Virtual laboratory for enhancing students' understanding on abstract biology concepts and laboratory skills: a systematic review	M Ramli	Journal of Physics: Conference Series
80	2020	Oxidation of Ammonia Nitrogen with Ozone in Water: A Mini Review	L Mahardiani	Journal of the Indonesian Chemical Society
81	2020	Alas Kandung-based science learning tools to optimize students' critical thinking skills	S Sarwanto	JPBI (Jurnal Pendidikan Biologi Indonesia)
82	2020	Misconceptions of high school students in salt hydrolysis topic using a three-tier diagnostic test (TTDT)	NY Indriyanti	JPBI (Jurnal Pendidikan Biologi Indonesia)
83	2020	The presence of the Problem-based Learning syntax in junior high school biology textbooks	M Masykuri, S Suciati	JPBI (Jurnal Pendidikan Biologi Indonesia)

84	2020	Pemberdayaan Guru Kimia Melalui Produksi Media Pembelajaran Berbasis Aplikasi Chemskech	NY Indriyanti	Jurnal Bakti Saintek
85	2020	The credibility analysis of the microteaching assessment instrument based on the responses of biology education students using the Rasch model	M Ramli	Jurnal Bioedukatika
86	2020	Pembuatan Kantong Kain “Tote Bag” sebagai Pengganti Kantong Plastik pada Pemuda Wirausaha Blitar	S Widoretno	Jurnal Graha Pengabdian
87	2020	Exploring the Impact of project-based learning and discovery learning to the students’ learning outcomes: Reviewed from the analytical skills	M Masykuri, W Sunarno	Jurnal ilmiah pendidikan fisika Al-Biruni
88	2020	Faktor-Faktor Yang Berhubungan Dengan Peningkatan Gula Darah Pada Pasien Diabetes Melitus Di Unit Rawat Jalan Di Rsud  Dr. Loekmono Hadi Kudus	S Sukarmin	Jurnal Ilmu Keperawatan dan Kebidanan
89	2020	Hubungan Antara Edukasi Berbasis Internet Dengan Tindakan Menjaga Kebersihan Organ Kewanitaan Pada Remaja Putri Di Sma Negeri Kembang Kabupaten Jepara	S Sukarmin	Jurnal Ilmu Keperawatan dan Kebidanan

90	2020	Pengembangan Buku Ajar Ilmu Pengetahuan Alam Berbasis Sains Teknologi Masyarakat	S Yamtinah	Jurnal Kependidikan: Penelitian Inovasi Pembelajaran
91	2020	Effectiveness of generation, evaluation, and modification-cooperative learning (gem-cl) model selaras bakar batu cultural practice in Papua	S Sarwanto	Jurnal Pendidikan IPA Indoneia
92	2020	Identifikasi Miskonsepsi Asam-Basa dengan Two Tier Multiple Choice dilengkapi Interview	S Yamtinah	Jurnal Pendidikan Kimia
93	2020	Implementasi Model Inkuiri Bebas Termodifikasi Berbantuan LKS untuk Meningkatkan Prestasi Belajar pada Materi Hidrolisis Garam Kelas XI MIPA SMAN Kebakkramat Tahun Pelajaran 2018/2019	M Masykuri, L Mahardiani	Jurnal Pendidikan Kimia
94	2020	Efektivitas Model Pembelajaran Snowball Throwing dan Snowball Drilling terhadap Prestasi Belajar Ditinjau dari Keaktifan Belajar Siswa pada Materi Pokok Hidrolisis Garam	NY Indriyanti, E Susilowati	Jurnal Pendidikan Kimia
95	2020	Reconstruction of Higher Order Thinking Skill Through Enriching Student's Argumentation Skills	W Sunarno	Jurnal Pendidikan Progresif



96	2020	<u>The Effect of Gender Towards Self-Discipline Attitudes and Student Learning Outcomes in Physics</u>	W Sunarno	Jurnal Pendidikan Sains
97	2020	Developing a dynamic assessment instrument to assess reasoning skills about bacteria	M Ramli	Jurnal Penelitian dan Evaluasi Pendidikan
98	2020	Penerapan Nilai-Nilai Kebangsaan Dalam Pembelajaran Di Sekolah Menengah Atas Kabupaten Pacitan	S Sukarmin, S Sarwanto	Jurnal PPKn: Penelitian dan Pemikiran Pendidikan Pancasila dan Kewarganegaraan
99	2020	Pengaruh Metode Proyek Dan Eksperimen Terhadap Kreativitas Dan Sikap Ilmiah Siswa Pada Pembelajaran Fisika	W Sunarno, S Sukarmin	KoPeN: Konferensi Pendidikan Nasional
100	2020	Peran Interaksi Sosial Dan Kemampuan Berpikir Kreatif Siswa Terhadap Kemampuan Memahami Konsep Pada Materi Optik Geometri	W Sunarno	KoPeN: Konferensi Pendidikan Nasional
101	2020	Pengembangan Media Pembelajaran Laboratorium Virtual Berbasis Discovery Learning Materi Sistem Imun Kelas XI MIPA	H Harlita	Media Penelitian Pendidikan

102	2020	One Pot Synthesis of Carboxylated Activated Carbon for Water Purification: A Kinetic Study	L Mahardiani	Moroccan Journal of Chemistry
103	2020	The Removal of Organic Pollutant from Aqueous Solution by Modified Activated Carbon Surface	NY Indriyanti	Moroccan Journal of Chemistry
104	2020	Identification of Misconception In The Topik Redox And Reaction Reaction Using The React Model	S Mulyani	PAEDAGOGIA
105	2020	Inquiry Social Complexity (ISC): Design Instructional To Empowerment Critical And Creative Thinking (CCT) Skills In Chemistry	S Sukarmin	Periodico Tche Quimica
106	2020	Pemberian Edukasi Berbasis Buku Saku Untuk Kepatuhan Diet Pasien Diabetes Melitus Di Poliklinik Rumah Sakit Islam Pati	S Sukarmin	Proceeding of The URECOL
107	2020	An Analysis of Low–Mastery Learning in Science National Examination 2018 and ItsStrategies	M Masykuri	Proceedings of the 2nd International Conference on Education

108	2020	Critical Thinking Skill Profile of Seventh Grade Junior High School Students in Surakarta	M Masykuri	Proceedings of the 2nd International Conference on Education
109	2020	Identification of Students' Critical Thinking Skills Topic Classification of Materials and Its Changes	M Masykuri, S Sarwanto	Proceedings of the 2nd International Conference on Education
110	2020	Student Scientific Creativity Profile Based on Scientific Structure Creativity Model	M Masykuri, S Sukarmin	Proceedings of the 2nd International Conference on Education
111	2020	Distance Learning of Advance Organizer To Empower Chemical Literacy during the COVID-19 Outbreak	M Masykuri	Proceedings of the 4th International Conference on Learning Innovation
112	2020	STEM-Project Based Learning Integration On Bioacoustics Worksheet To Enhance Critical Thinking Skills	M Masykuri	Proceedings of the 4th International Conference on Learning Innovation
113	2020	A Needs Analysis of Problem-Based Physic Modules of Senior High School	W Sunarno	Proceedings of the 4th International Conference on Learning Innovation and Quality Education

114	2020	Is the Android Digital Web Module based on Flipped Classroom Needed by Teachers and High School Students in Pati Distric during the Covid-19 Pandemic?	W Sunarno	Proceedings of the 4th International Conference on Learning Innovation and Quality Education
115	2020	Item Analysis of Learning Progression Test of Carbon Transformation Process	M Ramli	Proceedings of the 4th International Conference on Learning Innovation and Quality Education
116	2020	Science Learning Tools Project Based Learning (PjBL) Model With STEM Approach To Improve Mastery of Junior High School Student's Concepts on Environmental Pollution Materials	W Sunarno	Proceedings of the 4th International Conference on Learning Innovation and Quality Education
117	2020	The Feasibility of Media, Material, and Language Aspects in the Development of Thematic Teaching Materials Based on Local Wisdom	S Yamtinah	Proceedings of the 4th International Conference on Learning Innovation and Quality Education
118	2020	Implementation of Interactive Multimedia and Kit with Writing-to-Learn Strategy on the Chemistry in Daily Life Topic for Junior High School with Disabilities	S Sukarmin	Proceedings of the 7th Mathematics, Science, and Computer Science Education International Seminar, MSCEIS
119	2020	Scientific-based learning scenario to improve student's higher order thinking skills: A development concept	S Sarwanto	Prosiding Konferensi Ilmiah Dasar

120	2020	Sumur Resapan Komunal Pendukung Sanitasi Lingkungan RW XI,Desa Jaten, Kecamatan Jaten, Kabupaten Karanganyar	D. Wahyuningsih	Prosiding Konferensi Nasional Pengabdian Kepada Masyarakat dan Corporate
121	2020	Analisis Ketercukupan Perencanaan Pembelajaran Guru sesuai Tuntutan Kurikulum 2013 dan Kemampuan Berpikir Kritis pada Materi Sistem Pernapasan	M Masykuri	Prosiding SNPBS
122	2020	Pembelajaran Fisika Menggunakan Model PjBL dan Discovery Learning Ditinjau Dari Hasil Belajar Kognitif Dan Kreativitas Siswa	W Sunarno	Seminar Nasional Kahuripan
123	2020	Pengembangan Multimedia Interaktif Pada Materi Unsur Sebagai Media Pembelajaran Untuk Siswa Tunarungu Di Smalb	S Sukarmin	UNESA Journal of Chemical Education
124	2020	Pengembangan Multimedia Interaktif Pada Tema Makanan Dan Minuman Bergizi Untuk Siswa Smplb Tunarungu	S Sukarmin	UNESA Journal of Chemical Education
125	2020	Pengembangan Software Anti Chemmisco Dengan Strategi Conceptual Change Text Pada Materi Laju Reaksi	S Sukarmin	UNESA Journal of Chemical Education

126	2020	Pengembangan Software Anti Mischem Untuk Mereduksi Miskonsepsi Peserta Didik Pada Materi Hidrolisis Garam Dengan Strategi Conceptual Change Text	S Sukarmin	UNESA Journal of Chemical Education
127	2020	Pengembangan Software Anti Mischem Untuk Mereduksi Miskonsepsi Siswa Dengan Strategi Conceptual Change Text Pada Materi Asam Basa Kelas Xi Sma	S Sukarmin	UNESA Journal of Chemical Education
128	2020	Pengembangan Software Pendeteksi Dan Pereduksi Miskonsepsi Materi Larutan Penyangga Dengan Strategi Conceptual Change Text	S Sukarmin	UNESA Journal of Chemical Education
129	2020	Life skill integrated science-PBL module to improve critical thinking skills of secondary school students	M Masykuri	Universal Journal of Educational Research
130	2021	Pengembangan Media Pembelajaran Interaktif C-Bonds untuk Mendeteksi dan Mereduksi Miskonsepsi dengan Strategi Conceptual Change Text	S Sukarmin	Jurnal Kependidikan: Jurnal Hasil Penelitian dan Kajian Kepustakaan di Bidang Pendidikan, Pengajaran dan Pembelajaran
131	2021	Identification Of KOLB'S Learning Style In Seventh Grade Students and The Effect On Misconception In Science Learning	S Mulyani	Journal of Education, Teaching and Learning

132	2021	Narrative Review: Modifikasi Gel Hand Sanitizer Kombinasi Ekstrak Sabut Kelapa dan Serai untuk Antioksidan dan Antiseptik Alami	NY Indriyanti	Proceedings National Conference PKM Center
133	2021	Active Learning Strategy on Higher Education Biology Learning: A Systematic Review	M Masykuri, M Ramli	Tadris: Jurnal Keguruan dan Ilmu Tarbiyah
134	2021	Chemistry Teachers' Perspectives on Virtual STEM Laboratories as Learning Media	S Mulyani,, NY Indriyanti	6th International Seminar on Science Education
135	2021	The Development of E-Worksheet Based on Project to Promote Student's Creative Thinking and Digital Literacy Skills	M Masykuri,	7th International Conference on Research
136	2021	Pre-service teachers' perception in integrating STEAM in chemistry learning	NY Indriyanti	AIP Conference Proceedings
137	2021	Scientific reasoning skill-based on the structure of the student concept map	S Widoretno	AIP Conference Proceedings

138	2021	The students critical thinking skill profile on respiratory system material through natural disaster and COVID-19 pandemic	M Masykuri,	AIP Conference Proceedings
139	2021	Perception Of Natural Sciences'teacher And Prospective Teacher On Understanding Low Carbon Stem Learning Plan	AN Khasanah, RM Probosari, S Widoretno, NY Indriyani	ATRIUM PENDIDIKAN BIOLOGI
140	2021	A Meta Analysis of Inductive Learning-Based Modules to Improve Critical Thinking Skills in Science	M Ramli	Bioedukasi: Jurnal Pendidikan Biologi
141	2021	Dynamic assessment on high school biology students' reasoning skills	M Ramli	Biosfer: Jurnal Pendidikan Biolog
142	2021	Analysis items of the four-tier immune system multiple choice test instrument using rasch model	M Indrowati	Biosfer. Jurnal Pendidikan Biologi
143	2021	Kemampuan Pemerintah Desa Dalam Pengelolaan Dana Desa (Studi Kasus Desa Trimulya Kecamatan Onembute)	S Sukarmin	Dinamika: Jurnal Ilmiah Ilmu Administrasi Negara



144	2021	Pengembangan Media Interaktif Misabas Untuk Mendeteksi Dan Mereduksi Miskonsepsi Siswa Pada Materi Asam Basa Melalui Strategi Conceptual Change Text	S Sukarmin	Educate: Jurnal Teknologi Pendidikan
145	2021	PENGEMBANGAN E-MODUL FISIKA BERBASIS DISCOVERY LEARNING TERINTEGRASI WEBSITE SEBAGAI ALTERNATIF PEMBELAJARAN AKIBAT PANDEMI COVID 19	S Sarwanto	EDUPROXIMA: Jurnal Ilmiah Pendidikan IPA
146	2021	Analysis Of Students'attitudes Toward Stem Based-On Gender And Grade Level: A Comparative Study Between Indonesia And Thailand	S Supurwoko, NY Indriyanti	EDUSAINS
147	2021	Pengembangan Modul Ipa Berbasis Inquiry Lesson Pada Materi Usaha Dan Pesawat Sederhana Untuk Meningkatkan Kreativitas Ilmiah Siswa	M Masykuri, S Sukarmin	Edusains
148	2021	A Rasch Analysis of Item Quality of the Chemical Literacy Assessment for Investigating Students' Chemical Literacy on Chemical Rate Concepts.	S Yamtinah, L Mahardiani,	European Journal of Educational Research
149	2021	The Implementation of Research-Based Learning Model in the Basic Science Concepts Course in Improving Analytical Thinking Skills.	W Sunarno	European Journal of Educational Research

150	2021	Analysing students' environmental awareness profile using strategic environmental assessment	W Sunarno, S Sukarmin	F1000Research
151	2021	Mitotic And Karyotype Of Indigofera Suffruticosa Mill. In Central Java	M Ramli	Floribunda
152	2021	The Critical Thinking Skills Analysis of High School on Rotational Dynamics	W Sunarno, D. Wahyuningsih	ICLSSEE 2021
153	2021	Efektivitas Modul Elektronik Berbasis Saintifik Pada Materi Kelarutan Dan Hasil Kali Kelarutan Untuk Meningkatkan Keterampilan Proses Sains Siswa Sma	B Antrakusuma, M Masykuri, IA Fakhrudin	INKUIRI: Jurnal Pendidikan IPA
154	2021	Analisis Kebutuhan Guru terhadap e-modul Fisika Berbasis Attention, Relevance, Confidence, Satisfaction (ARCS) untuk Meningkatkan Minat Belajar Siswa di Masa Pandemi Covid-19	D. Wahyuningsih	INNODEL
155	2021	The Development of e-modules using Kodular Software with Problem-based Learning Models in Momentum and Impuls Material	D. Wahyuningsih	INNODEL

156	2021	Article Diagnostic Difficulties and Misconceptions of Light Refraction: A Need Analysis Learning Abstract Concepts Using PhET Simulation	W Sunarno	International Joint Conference on Science and Engineering 2021 (IJCSE 2021)
157	2021	Software HIDROKSI Development to Detect and Reduce Misconceptions Using Conceptual Change Text Strategy on Salt Hydrolysis	S Sukarmin	International Journal of Chemistry Education Research
158	2021	Application of The PjBL-STEM Model to Natural Science Learning Devices to Increase The Creativity of Junior High School Students in Environmental Pollution Material	W Sunarno	International Journal of Educational Research Review
159	2021	Using an Technology Readiness Model to Understand Perceived Usefulness of Learning in the Covid-19 Era	S Sarwanto	International Journal of Elementary Education
160	2021	Sexual Deviant Behavior Conducted by Student with Hearing Impairment in Special Schools in the City of Surakarta	S Yamtinah	International Journal of Multicultural and Multireligious Understanding
161	2021	The Influence of Project-Based Learning Model on Creativity and Cognitive Learning Outcomes of the Students of SMAN 1 Amarasi Timur, Indonesia	W Sunarno	International Journal of Science and Society

162	2021	Students' Profile of Science and Engineering Practices (SEPs) in Newton Law of Motion	W Sunarno	ITALIENISCH
163	2021	Implementasi Komponen-komponen Manajemen Berbasis Sekolah (MBS) di Sekolah Menengah Pertama	S Sukarmin, D. Wahyuningsih S Supurwoko	JAMP: Jurnal Administrasi dan Manajemen Pendidikan
164	2021	Improving students' critical thinking skills trough contextual teaching and learning science module	W Sunarno	JIPF (Jurnal Ilmu Pendidikan Fisika)
165	2021	Phytochemical Screening of Honey Pineapple Peel Extract and Its Application as an Antibacterial Additive in Dish Soap Formulation	S Mulyani, B Antrakusuma	JKPK (Jurnal Kimia dan Pendidikan Kimia)
166	2021	Rash Model Approach for Analysis of Misconception on Chemistry Learning with Distractor Analysis	L Mahardiani, S Mulyani	JKPK (Jurnal Kimia dan Pendidikan Kimia)
167	2021	Adsorption of Anionic and Cationic Dyes in Batik Wastewater Using Biomass Adsorbents: Literature Review	NY Indriyanti	JKPK (Jurnal Kimia dan Pendidikan Kimia)

168	2021	Phytochemical Screening of Honey Pineapple Peel Extract and Its Application as an Antibacterial Additive in Dish Soap Formulation	S Mulyani, B Antrakusuma	JKPK (Jurnal Kimia dan Pendidikan Kimia)
169	2021	Development and validation of web-based STEAM online platform to improve learning quality in pre-service Chemistry teacher	NY Indriyanti	JOTSE
170	2021	Chemical bonding successful learning using the “Chebo collect game”: A case study		JOTSE: Journal of Technology and Science Education
171	2021	CHARACTERISATION OF CARBOXYMETHYLCELLULOSE-BASED SUPERABSORBENT POLYMER HYDROGEL FOR SLOW-RELEASE OF NITROGEN-PHOSPHORUS-POTASSIUM FERTILISER.	S Mulyani	Journal of Chemical Technology & Metallurgy
172	2021	SURFACE MORPHOLOGY AND BIODEGRADATION TESTS OF POLYURETHANE/CLAY RIGID FOAM COMPOSITES.	M Masykuri,	Journal of Chemical Technology & Metallurgy
173	2021	Physics Teachers’ Perspectives on The Availability of The Integration of E-Formative Assessment in E-Learning based on Website (EFA in ELboW) during Covid-19 Pandemic	S Sukarmin	Journal of Education Research and Evaluation

174	2021	Development of MISTION Software to Detect and Reduce Students' Misconception with Conceptual Change Text Strategy on Stoichiometry Materials	S Sukarmin	Journal of Educational Sciences
175	2021	Profile of Student Analytical Thinking Skills in the Natural Sciences by Implementing Problem-Based Learning Model	W Sunarno, S Sukarmin	Journal of Educational, Cultural and Psychological Studies (ECPS Journal)
176	2021	Computerized Testlet Instrument for Assessing Students' Chemical Literacy in High School	S Yamtinah, S Mulyani	Journal of Hunan University Natural Sciences
177	2021	Physics Virtual Learning Simulation to Enhance Students' Critical Thinking Skill: Virtual Learning during the COVID-19 Pandemic	W Sunarno	Journal of Hunan University Natural Sciences
178	2021	Investigation of Science Technology Ecocultural Society (STEcS) Model to Enhance Eco Critical Thinking Skills	S Sarwanto	Journal of Innovation in Educational and Cultural Research
179	2021	Development of MATTERED (Modul of Heat and Temperature Based on Android) for Senior High School	D. Wahyuningsih	Journal of Physics

180	2021	Sekolah Siaga Bencana Desa Sambongbangi Kecamatan Kradenan Kabupaten Grobogan	D. Wahyuningsih, S Mulyani	Journal of Physics
181	2021	High School Students' Experience Using Learning Management System on Chemistry In Age of Pandemic	NY Indriyanti	Journal of Physics Conference Series
182	2021	Performance asesment to measure students' explanations in chemistry learning	B Utami, M Masykuri	Journal of Physics Conference Series
183	2021	Teacher's Candidate Readiness and Beliefs in teaching STEM: Formulating Best Strategy in Scientific Communication	RM Probosari, B Utami	Journal of Physics Conference Series
184	2021	The relationship between critical thinking skills and students learning motivation with students' learning achievement about buffer solution in eleventh grade science program	B Utami	Journal of Physics Conference Series
185	2021	The relationship between students' problem solving skills and scientific attitude with students' learning outcomes on stoichiometry at tenth grade at high school in Boyolali	B Utami	Journal of Physics Conference Series

186	2021	Analysis of critical thinking in junior high school students through science learning in Indonesia: A systematic review	M Masykuri	Journal of Physics: Conference Series
187	2021	Analysis of critical-creative thinking styles and their implications on self efficacy teacher pree service	M Masykuri	Journal of Physics: Conference Series
188	2021	Analysis of High School Students' STEM Literacy and Problem-Solving Skills in Chemistry	S Mulyani, B Hastuti, NY Indriyanti	Journal of Physics: Conference Series
189	2021	Analysis of teacher's ability in planning and implementing learning on vibration, wave and sound submaterials	M Masykuri, S Sukarmin	Journal of Physics: Conference Series
190	2021	Analysis of the need to development an assessment integrated with STEM literacy	S Sukarmin, S Sarwanto,	Journal of Physics: Conference Series
191	2021	Content analysis of critical-rand creative-thinking skills in middle-school science books on environmental pollution material	M Masykuri,	Journal of Physics: Conference Series



192	2021	Correlation Between Thinking Ability and Cognitive Learning Outcomes of 7th-grade Students at SMPN 2 Surakarta	W Sunarno, RM Probosari	Journal of Physics: Conference Series
193	2021	Development of Instructional Module Based on Inquiry-Interactive Demonstration to Improve Students' Critical Thinking Skill	M Masykuri	Journal of Physics: Conference Series
194	2021	Meta-Analysis of The Effectiveness of Problem-Based Learning Towards Critical Thinking Skills in Science Learning	M Ramli	Journal of Physics: Conference Series
195	2021	Nanocellulose Obtained from Biomass as Advance Adsorbent for Methylene Blue and Crystal Violet	L Mahardiani	Journal of Physics: Conference Series
196	2021	Potential edible coating of pectin obtained from banana peel for fruit preservation	E Susilowati, L Mahardiani, B Hastuti, NY Indriyanti	Journal of Physics: Conference Series
197	2021	Pre-Service Teachers' Perspectives: STEM as a Solution to Promote Education for Sustainable Development	IA Fakhrudin, NY Indriyanti	Journal of Physics: Conference Series

198	2021	Preparation of Poliblend Suweg Starch-Chitosan with Addition of Essential Oil from Sweet Orange Peel as Edible Coating on Malang's Apples	E Susilowati, L Mahardiani,	Journal of Physics: Conference Series
199	2021	Profile of Junior High School Science Textbooks: Fulfillment of the Higher-order Thinking Skills component	M Masykuri	Journal of Physics: Conference Series
200	2021	Research Trends of Discovery Learning from 2015 to 2019: A Bibliometric Analysis	W Sunarno	Journal of Physics: Conference Series
201	2021	Strengthening Buffer Solution Learning Activities with Numbered Heads Together Models Equipped with a Combined Hand Out–Augmented Reality	M Masykuri, E Susilowati	Journal of Physics: Conference Series
202	2021	Study on the Adsorption of Chromium (VI) Metal Ion from Aqueous Solution by Green Algae Biomass ( <i>Chara fragilis</i> sp.)	B Hastuti,	Journal of Physics: Conference Series
203	2021	Synthesis of Silver-Alginate Nanocomposites Colloidal Assisted by Microwave Irradiation as Antibacterial Material	E Susilowati, M Masykuri,	Journal of Physics: Conference Series

204	2021	The 21 st century science learning: HOTS and digital literacy among junior high school students in Semarang, Indonesia	M Masykuri,	Journal of Physics: Conference Series
205	2021	The Conceptual Framework for Problem and Research-Based Learning (PRBL) Model in Learning The Natural Sciences to Empower Students' Analytical Thinking Skills	W Sunarno	Journal of Physics: Conference Series
206	2021	The Generic Science Skill Profile of High School on Theory Momentum And Impulse	W Sunarno	Journal of Physics: Conference Series
207	2021	The relationship between critical thinking skills and students learning motivation with students' learning achievement about buffer solution in eleventh grade science program	B Hastuti, B Utami	Journal of Physics: Conference Series
208	2021	The Role of Digital Modules on Cognitive Ability of High School Students in Newton's Law Material	W Sunarno	Journal of Physics: Conference Series
209	2021	Student's Thinking Process through Higher Order Thinking: The Concept of Interaction of Living Things and Their Environment	W Sunarno, M Masykuri, S Sukarmin	Journal of Positive Psychology and Wellbeing

210	2021	Learning Progression: How should we teach about disease to determine students' level of understanding?	H Harlita, M Ramli	JPBI (Jurnal Pendidikan Biologi Indonesia)
211	2021	Smart Apps Creator 3 to improve student learning outcomes during the pandemic of COVID-19	M Masykuri,	JPBI (Jurnal Pendidikan Biologi Indonesia)
212	2021	The Implementation of Joyful Learning Strategies Using Experimental and Project Methods in terms of Students' Creativity and Self-Discipline	W Sunarno	JPI (Jurnal Pendidikan Indonesia)
213	2021	Pendampingan Produksi Low-Carbon STEM Project untuk Meningkatkan Kualitas Pembelajaran IPA Ramah Lingkungan	NY Indriyanti, RM Probosari, IA Fakhrudin, S Widoretno, AN Khasanah	Jurnal Bakti Saintek: Jurnal Pengabdian Masyarakat Bidang Sains dan Teknologi
214	2021	Students Scientific Attitude in Learning Physics Using Problem Based Learning Model with Experimental and Project Methods	W Sunarno	Jurnal ilmiah pendidikan fisika Al-Biruni
215	2021	Hubungan Posisi Elevasi dengan Tekanan Intra Kranial pada Pasien Cidera Kepala Sedang di RSUD Raa Soewondo Pati	S Sukarmin	Jurnal Ilmu Keperawatan dan Kebidanan

216	2021	Improving the Academic Resilience of Students Through the Focus Brief Counseling (SFBC) Solution Approach	M Ramli	Jurnal Ilmu Keperawatan Jiwa
217	2021	Pengembangan elektronik modul (e-modul) berbasis guided inquiry pada materi suhu dan kalor untuk meningkatkan literasi sains siswa kelas VII SMP/MTS	M Masykuri,	Jurnal Inovasi Pendidikan IPA
218	2021	The effectiveness of discovery learning module classification of materials and its changes to enhance critical thinking skills	M Masykuri, S Sarwanto	Jurnal Inovasi Pendidikan IPA
219	2021	The Analysis of Low-Cost Pb (II) Adsorbents using Batch Method of Solid-Phase Spectrophotometry	NY Indriyanti, L Mahardiani	Jurnal Kimia Valensi
220	2021	Validity of Interactive Learning Media Based on Moodle's Learning Management System with Three Chemical Representative Levels (Macroscopic, Submicroscopic, and Symbolic) in Electrolysis Cell Sub Material	S Sukarmin	Jurnal Pendidikan dan Pembelajaran Kimia
221	2021	Investigation of person ability and item fit instruments of eco critical thinking skills in basic science concept materials for elementary pre-service teachers	S Sarwanto	Jurnal Pendidikan IPA Indoneia

222	2021	The Validation of Digital Analysis Tool-Assisted Real-World Inquiry (Digita-RI) as a Modification of the Inquiry-Based Learning Model in the Digital Age	W Sunarno, S Sarwanto, S Yamtinah	Jurnal Pendidikan IPA Indonesia
223	2021	Analisis Konten High Order Thinking Skill pada Soal PAS dan PAT Kimia Kelas XI Tahun Pelajaran 2019/2020 di Kota Surakarta	S Yamtinah, NY Indriyanti	Jurnal Pendidikan Kimia
224	2021	Diagnosis Kesulitan Belajar Materi Kelarutan dan Hasil Kali Kelarutan dan Upaya Remediasinya dengan Model Pembelajaran STAD Dilengkapi Handout untuk Siswa Kelas XI MIPA SMA N 3 ...	B Hastuti,	Jurnal Pendidikan Kimia
225	2021	Pengaruh Penerapan Model Numbered Heads Together (NHT) dilengkapi Handout Kombinasi Augmented Reality (Handout-AR) dan Microsoft Powerpoint terhadap Aktivitas Belajar Siswa ...	M Masykuri, E Susilowati	Jurnal Pendidikan Kimia
226	2021	Problem Based Learning on Newton's Law: Can It Improve Student Creativity?	S Sarwanto	Jurnal Pendidikan Sains Indonesia
227	2021	Profil Sikap Ilmiah Peserta Didik Dalam Pembelajaran Fisika di SMA YPPK Teruna Bakti Jayapura	W Sunarno	Jurnal Penelitian Pembelajaran Fisika

228	2021	The Result Of Validation Testing And Students Response To Geoscience Students Worksheets To Improve Student Scientific Work And Conceptual Mastery	F Sarwendah, MW Sari, IK Wati	Jurnal Penelitian Pendidikan
229	2021	Analysis of The Students' Argumentative Skills of Senior High School in Covid-19 Pandemic using Problem Based Learning in Static Fluid	W Sunarno	Jurnal Penelitian Pendidikan IPA
230	2021	Development of discovery learning-based e-modules using pdf flip professional software integrated with the website as an alternative to learning physics during the covid 19	S Sarwanto	Jurnal Penelitian Pendidikan IPA
231	2021	Examining the Content Validity of Android-Based Augmented Reality Media for Chemical Bonding using Rasch Model	S Yamtinah, SRD Ariani, M Andriyanti, S Saputro, E Susilowati, IA Fakhrudin	Jurnal Penelitian Pendidikan IPA
232	2021	The Effectiveness Of Learning Video Usage to Support Online Learning in Basic Chemistry Course During the Covid-19 Pandemic	MW Sari, NY Indriyanti, B Antrakusuma, B Utami	Jurnal Penelitian Pendidikan IPA
233	2021	The Improvement of student's critical thinking skills through the development of science learning material based socioscientific issues with interactive multimedia-assisted	S Sarwanto	Jurnal Penelitian Pendidikan IPA

234	2021	Validity and Practicality of Guided Inquiry-Based E-Modules accompanied by Virtual Laboratory to Empower Critical Thinking Skills	H Harlita	Jurnal Penelitian Pendidikan IPA
235	2021	Pengembangan Elektronik Modul Berbasis Problem Based Learning pada Materi Zat Aditif dan Zat Adiktif untuk Meningkatkan Kemampuan Berpikir Kritis Siswa	D. Wahyuningsih	Jurnal Penelitian Pendidikan IPA
236	2021	Physics Online Learning during the covid-19 Pandemic uses a Guided Inquiry Model with Experimental Methods on Teamwork Ability and Student Learning Outcomes	W Sunarno, D. Wahyuningsih	Jurnal Penelitian Pendidikan IPA
237	2021	Remediasi Pembelajaran Fisika dengan Model Pembelajaran VK untuk Meningkatkan Kemampuan Kognitif Siswa	D. Wahyuningsih	Jurnal Universitas Sebelas Maret
238	2021	Needs analysis of physics e-module based on hybrid-PBL model on critical thinking skills improvement	S Sarwanto	Momentum: Physics Education Journal
239	2021	Vocational teachers' perspective toward Technological Pedagogical Vocational Knowledge	S Sukarmin	Open Engineering



240	2021	Question Analysis in 11th Grade Chemistry Book in Term of Critical Thinking Indicators	S Mulyani	PAEDAGOGIA
241	2021	Hubungan Kepercayaan Diri dan Adversity Quotient dengan Keterampilan Berpikir Kreatif Siswa Kelas VIII pada Materi Gerak dan Gaya	NY Indryanti, RM Probosari	Phenomenon: Jurnal Pendidikan MIPA
242	2021	Optimisation of the process of dyeing cotton fabric with natural dyes from jackfruit wood by immersion without heating	M Masykuri,	Pigment & Resin Technology
243	2021	From Housewife to Entrepreneur through Homemade Accessories: Challenges and Opportunities in Pandemic	RM Probosari, B Utami,	Proceeding Biology Education Conference: Biology, Science, Enviromental, and Learning
244	2021	BOBATH Method Training On Independent Daily Activities In Stroke Pantients	S Sukarmin	Proceeding of The URECOL
245	2021	Pengaruh Edukasi Kartun Islami Terhadap Kecerdasan Spiritual Pada Anak Kelas V Di Sd N 1 Purwosari Kabupaten Kudus	S Sukarmin	Proceeding of The URECOL

246	2021	Relationship Of Calcium Electrolyte Value With Atrial Febrillation In Heart Poly Of RSUD RAA Soewondo Pati	S Sukarmin	Proceeding of The URECOL
247	2021	The Effect Of Guided Imagery On Sleep Patterns Of Congestive Heart Failure (CHF) Patients In Kelet RSU, Central Java	S Sukarmin	Proceeding of The URECOL
248	2021	The Relationship of Handwashing with Soap Behavior with the Incidence of Diarrhea in Infants at PTPN IX Balong Housing	S Sukarmin	Proceeding of The URECOL
249	2021	Pemanfaatan Limbah Kulit Buah Semangka dan Sabut Kelapa Hijau sebagai Antioksidan Alami	S Yamtinah	Proceedings National Conference PKM Center
250	2021	The Construction and Validation of Physics Test Measuring Students' Concept Understanding on Fluid	S Sarwanto	Proceedings of the 5th International Conference on Learning Innovation
251	2021	Analysis of Students' Critical Thinking Skills in Solving Math Essay Problems Using Think-Aloud Protocol Strategy in Elementary Schools	S Yamtinah	Proceedings of the 5th International Conference on Learning Innovation and Quality Education

252	2021	Students' View of Using Mobile Based Interactive Multimedia with Contextual Teaching and Learning Approach in Chemistry Learning	S Yamtinah	Proceedings of the 5th International Conference on Learning Innovation and Quality Education
253	2021	Teacher's Perception towards Assessing of Higher Order Thinking Skills (HOTS) in Elementary Schools	S Yamtinah	Proceedings of the 5th International Conference on Learning Innovation and Quality Education
254	2021	Oxidative decomposition of ammonium ion with ozone in the presence of cobalt and chloride ions for the treatment of radioactive liquid waste	L Mahardiani	Progress in Nuclear Energy
255	2021	EFEKTIFITAS GAME EDUKASI SEBAGAI MEDIA PEMBELAJARAN ANAK	S Widoretno	PROSIDING TRANSFORMASI PEMBELAJARAN NASIONAL (PRO-TRAPENAS)
256	2021	Keterampilan berpikir kreatif siswa SMP kelas VIII dalam memecahkan masalah pada materi zat aditif dan adiktif selama pandemi covid-19	H Harlita	QUANTUM: Jurnal Inovasi Pendidikan Sains
257	2021	Minimisation of pollution in the cotton fabric dyeing process with natural dyes by the selection of mordant type	M Masykuri,	Research Journal of Textile and Apparel

258	2021	Pola Kemampuan Berpikir Kreatif Ditinjau dari Gender Siswa Sekolah Menengah dalam Pembelajaran IPA	W Sunarno	Risenologi
259	2021	Analisis Kebutuhan Guru Terhadap Pengembangan E-Modul Fisika bBrbasis Assurance, Relevance, Interest, Assesment, Satisfaction (ARIAS) untuk Meningkatkan Motivasi Belajar Siswa	D. Wahyuningsih	Seminr Nasional Fisika
260	2021	Student Needs Analysis on The Development of Physics Electronic Module based on Assurace, Relevance, Interest, Assesment, Satisfaction to Increase Student Learning Motivation Amid The Covid-19 Pandemic	D. Wahyuningsih	Seminr Nasional Fisika
261	2021	Pengembangan Modul Ilustratif Berbasis Inkuiri Terbimbing Bermuatan Pendidikan Karakter	S Sarwanto	SPEJ (Science and Physic Education Journal)
262	2021	Persepsi Guru IPA Terhadap Pembelajaran STEM	IK Wati, S Suciati, MW Sari, FSA Nugraheni	SPEKTRA: Jurnal Kajian Pendidikan Sains
263	2021	Utilization of Mendong Plants-Activated Charcoal as H2S and NO2 Gas Adsorbent: Preliminary Study	L Mahardiani	The Journal of Pure and Applied Chemistry Research

264	2022	Effect of Fermentation Time and Sugar Concentration on the Quality Characteristic of Organic Fertilizer from Cattle and Rabbit Manure Using Vinnase Media	B Hastuti,	Moroccan Journal of Chemistry
265	2022	PERSEPSI GURU FISIKA TERHADAP KEBUTUHAN E-MODUL BERBASIS ANDROID DENGAN MODEL HYBRID-PBL PADA MATERI GELOMBANG BUNYI	S Sarwanto	PROSIDING SEMINAR NASIONAL FISIKA
266	2022	Development of Scientific-Based Electronic Science Modules to Improve Student Learning Outcomes in Knowledge Aspects During the Covid-19 Pandemic	S Sukarmin, W Sunarno	2nd International Conference on Education and Technology (ICETECH 2021)
267	2022	Students' Perceptions in Developing Fluid Dynamic Concept Inventory (FDCI) Assessment Based on STEM Literacy to Measure Problem-Solving Skills: A Need Analysis	S Sukarmin, S Sarwanto	2nd International Conference on Education and Technology (ICETECH 2021)
268	2022	Interactive e-modules training and workshop as teaching materials the era of Society 5.0	S Sukarmin	Abdimas: Jurnal Pengabdian Masyarakat Universitas Merdeka Malang
269	2022	Analysis of students creative thinking skills profiles on vibration and waves topics during Covid-19 pandemic	W Sunarno, Sarwanto	AIP Conference Proceedings

270	2022	Profile of High School Students' Arguments on Environmental Pollution Materials in the Covid-19 Era	S Widoretno	AL-ISHLAH: Jurnal Pendidika
271	2022	Character Education in a Children's Short Story Book entitled "Linda has a Papaya Garden"	AA Hizraini, R Winarni, S Yamtinah	AL-ISHLAH: Jurnal Pendidikan
272	2022	Instrumen Literasi Ekologi untuk Mengukur Kesiapan Berperilaku Ramah Lingkungan Siswa Sekolah Menengah Atas	IA Fakhrudin, M Ramli	BIOEDUSAINS: Jurnal Pendidikan Biologi dan Sains
273	2022	Keanekaragaman Avifauna Daerah Terbuka dan Tertutup di Wilayah Kampus Ketingan Universitas Sebelas Maret	H Harlita	BIOMA: JURNAL BIOLOGI MAKASSAR
274	2022	Designing a module for learning plant biodiversity: An effort for conservation of local wisdom	M Ramli	Biosfer: Jurnal Pendidikan Biologi
275	2022	The Influence of School Environment Conditions, Teacher Professional Competency, and Learning Facilities on IPS Learning Interests in State SD Students in Kecamatan Sambungmacan	S Sarwanto	Dinamika Jurnal Ilmiah Pendidikan Dasar

276	2022	The Effect of Silver Nanoparticle Toward Properties and Antibacterial Activity of Silver-Alginate Nanocomposites	L Mahardiani, E Susilowati,	Frontiers in Sustainable Food Systems
277	2022	Analisa Faktor-Faktor Keberhasilan Zidovudin Terhadap Pencegahan Virus Hiv Pada Bayi Ibu Hiv di Rsud Genteng	S Sukarmin	Indonesia Jurnal Kebidanan
278	2022	Pengaruh Terapi Belajar Membaca Berbasis Aplikasi Android Terhadap Kemampuan Membaca Pada Anak Berkebutuhan Khusus	S Sukarmin	Indonesia Jurnal Kebidanan
279	2022	Development of Scientific-based Science E-modules on Vibration and Wave Materials to Improve Students' Creative Thinking Skill.	W Sunarno	International Journal of Early Childhood Special Education
280	2022	Verbal Intelligence: A Key of Students Development	S Sarwanto	International Journal of Elementary Education
281	2022	How do students perform a peer assessment	S Widoretno	International Journal of Instruction

282	2022	Measuring the effect of subject-specific pedagogy on TPACK through Flipped learning in e-learning classroom	M Masykuri, L Mahardiani, S Yamtinah	International Journal of Intruccion
283	2022	Mathematics Learning Media and the Need for Montessori Media Development for Students with Mild Mental Retardation in Class IV at SLB Makassar City	S Yamtinah	International Seminar on Innovative and Creative Guidance and Counseling Service (ICGCS 2021)
284	2022	Teaching Physics Using ARCS-Based Kodular E-Module During COVID-19: An Effort to Develop Student's Critical Thinking Ability	D. Wahyuningsih	ITALIENISCH
285	2022	The impact of Android Kodular Physics E-Module Based on Arias Moden on Students' Critical Thinking Ability During The Covid-19 Pandemic Period	D. Wahyuningsih	ITALIENISCH
286	2022	Konstruksi Model Pembelajaran STEAM (Science, Technology, Engineering, Arts, and Mathematics) dengan Pendekatan Design Thinking pada Materi Energi Terbaru	S Sarwanto, S Yamtinah	JINoP (Jurnal Inovasi Pembelajaran
287	2022	Combination of corn wste and egg shell as Zn metal adsorbent with batch system	Budi Utami	JKPK (JURNAL KIMIA DAN PENDIDIKAN KIMIA)



288	2022	The Antibacterial Activity of Liquid Soap supplemented with Extracts combination of <i>Cyperus rotundus</i> L. and Flowers of <i>Plumeria acuminata</i> , <i>Michelia alba</i> , or <i>Cananga odorata</i>	S Mulyani	JKPK (Jurnal Kimia dan Pendidikan Kimia)
289	2022	The Effectiveness of Using Physics Module with Problem-Based Learning to Enhance Critical and Creative Thinking Skills	W Sunarno	Journal of Education Research and Evaluation
290	2022	Digitalization Android-based Interactive Learning Media in Geography for High School Students	S Yamtinah	Journal of Education Technology
291	2022	Problem-based Learning: Improving Students' Concept Mastery and Learning Activities	S Sarwanto	Journal of Educational Science and Technology (EST)
292	2022	Effectiveness of Project Based Learning Low Carbon STEM and Discovery Learning to Improve Creative Thinking Skills	RM Probosari, NY Indriyanti	Journal of Innovation in Educational and Cultural Research
293	2022	Flipped classroom using e-module to improve understanding of light concepts: needs analysis of e-module development to empower scientific explanation	W Sunarno	Journal of Physics: Conference Series

294	2022	Modification of coal fly ash waste by using core-shell method for Cu <sup>2+</sup> adsorbent material	M Masykuri, L Mahardiani, S Yamtinah	Journal of Physics: Conference Series
295	2022	Assessment Instrument Scientific Literacy on Addictive Substances Topic in Inquiry Based Learning Integrated Ethnoscience	S Yamtinah	Journal of Science Education Research
296	2022	Scientific Literacy Assessment Instrument on Addictive Substances Topic in Ethnoscience Integrated Inquiry Based-Learning	S Yamtinah	Journal of Science Education Research
297	2022	Pendampingan Produksi Mie Sayuran Kekinian sebagai Upaya Meningkatkan Penghasilan UMKM Makanan di Karanganyar Jawa Tengah	M Masykuri, E Susilowati	Jurnal Abdi Masyarakat Indonesia
298	2022	Pelatihan Desain Grafis Bagi Pemuda Karangtaruna Desa Tungalroso, Kebumen, Jawa Tengah	S Sarwanto	Jurnal Abdimas ADPI Sains dan Teknologi
299	2022	PENGHAMBATAN EKSTRAK ETANOL DAUN Manihot esculenta DAN Sansevieria trifasciata TERHADAP PENETASAN KEONG MAS	H Harlita	Jurnal Agrotek Tropika

300	2022	THE INFLUENCE OF DEMOCRATIC PARTNING PATTERNS, PEACEFUL ASSISTANCE AND LEARNING INTEREST ON THE ABILITY OF LOGICAL THINKING CHILDREN GROUP B	S Sarwanto	JURNAL AUDI: Jurnal Ilmiah Kajian Ilmu Anak dan Media Informasi PAUD
301	2022	KAJIAN PUSTAKA KOMPOSIT LIMBAH PLASTIK SEBAGAI PAVING BLOK PENGHASIL ENERGI BERKELANJUTAN TERINTEGRASI PIEZOELEKTRIK DAN PHOTOVOLTAIC (VIZO)	S Sarwanto	Jurnal Fisika: Fisika Sains dan Aplikasinya
302	2022	Effect of Giving Turmeric Rhizome and Teak Leaves Combination on Egg Quality and Productivity of Laying Hens	H Harlita	Jurnal Ilmiah Peternakan Terpadu
303	2022	Pengaruh Latihan Kaki Dengan Teknik Romanian Deadlift Terhadap Kemampuan Aktivitas Sehari-Hari Pada Pasien Gout Arthritis Di Puskesmas Gribig Kabupaten Kudus	S Sukarmin	Jurnal Indonesia Sehat
304	2022	Teknik perbanyakan tanaman buah dan tanaman hias secara vegetatif untuk meningkatkan pendapatan masyarakat di era pandemi	H Harlita, M Indrowati	Jurnal Inovasi Hasil Pengabdian Masyarakat (JIPEMAS)
305	2022	Pengaruh model pembelajaran PLGI terhadap kompetensi literasi sains ditinjau dari kemampuan akademik	M Indrowati	Jurnal Inovasi Pendidikan IPA

306	2022	Remediation Using SSCS Model For Reducing Misconceptions About Work And Energy	W Sunarno, M Ramli	Jurnal Inovasi Pendidikan IPA
307	2022	Secondary School Science Teacher Response to Minimum Competency Assessment: Challenges and Opportunities	S Yamtinah, M Masykuri, B Utami	Jurnal Inovasi Pendidikan IPA
308	2022	Pengembangan Modul Elektronik Berbasis Multirepresentasi Menggunakan 3D Pageflip Professional Materi Momentum dan Impuls untuk Kelas X	S Sarwanto	Jurnal Materi dan Pembelajaran Fisika
309	2022	Integrating Reading as Evidence to Enhance Argumentation in Scientific Reading-based Inquiry: A Design-based Research in Biology Classroom	RM Probosari	Jurnal Pendidikan IPA Indonesia
310	2022	Analisis Butir Soal Dynamic Assessment untuk Mengukur Pemahaman Konsep Klasifikasi Tumbuhan pada Mahasiswa	M Ramli , M Masykuri	Jurnal Pendidikan Sains Indonesia
311	2022	Content Validity in Android-Based Augmented Reality Media for High School Science Students on Covalent Bonds Topic: Rasch Model Analysis	S Yamtinah, E Susilowati, IA Fakhrudin	Jurnal Pendidikan Sains Indonesia

312	2022	Learning Physics Using Search, Solve, Create, Share and Preview, Question, Read, Reflect, Recite, Review Models Analyzed from Critical Thinking and Problem-solving Skills on Student Learning Outcomes	S Sarwanto	Jurnal Pendidikan Sains Indonesia
313	2022	Hubungan Kreativitas Dengan Hasil Belajar Siswa Pada Materi Getaran Gelombang Dan Bunyi	W Sunarno	Jurnal Penelitian Pendidikan
314	2022	Development of A Problem-Based Physics E-Module with A Flipped Classroom Approach Using Sigil Software as An Alternative Learning Media During the COVID-19 Pandemic	S Sukarmin	Jurnal Penelitian Pendidikan IPA
315	2022	Development of A Two-Tier Multiple-Choice Instrument Based on Higher Order Thinking Skills (HOTS) on Acids, Bases, and Salts	M Masykuri, S Yamtinah	Jurnal Penelitian Pendidikan IPA
316	2022	Development of Process Oriented Guided Inquiry Learning-based E-Module to Improve Critical Thinking Skill	M Indrowati	Jurnal Penelitian Pendidikan IPA
317	2022	Improve Student Learning Outcomes through the Development of Quantum Learning-Based Learning Instruments on Hydrocarbon and Petroleum	M Masykuri, S Sarwanto	Jurnal Penelitian Pendidikan IPA

318	2022	Literature Study: Application of PBL-STEM on Simple Machine Topic to Improve Critical Thinking Skills	M Masykuri,	Jurnal Penelitian Pendidikan IPA
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321	2022	The Development of Science E-Modules Based of Guided Inquiry to Improve Students' Critical Thinking Ability	M Indrowati	Jurnal Penelitian Pendidikan IPA
322	2022	The Effect of Picture and Picture Integration with Guided Note Taking accompanied by Optimization of Teaching Aids Learning Outcomes	M Indrowati,AN Khasanah	Jurnal Penelitian Pendidikan IPA
323	2022	Validity and Practicality of Discovery Learning E-Modules on environmental change material to Empower Critical Thinking Skills	H Harlita, P Karyanto	Jurnal Penelitian Pendidikan IPA

324	2022	Pelatihan Pembuatan Perangkat Pembelajaran Berbasis Local Wisdom STEM pada Mata Pelajaran IPA Sekolah Menengah Pertama di Solo Raya	FSA Nugraheni, IK Wati, MW Sari, S Suciati	Jurnal Pengabdian Masyarakat Indonesia
325	2022	MENINGKATKAN KETAHANAN EKONOMI MASYARAKAT DAN SUMBER DAYA MANUSIA DI KELURAHAN SRENGAT	S Widoretno	Jurnal Pengabdian Masyarakat Sains dan Teknologi
326	2022	Implementation of problem-solving learning model assisted by student worksheets to improve critical thinking skills in the context of reaction rate	S Sukarmin	Jurnal Pijar Mipa
327	2022	PANEL PELACAK SURYA SUMBU GANDA MODE OTOMATIS BERBASIS ARDUINO UNO SEBAGAI CATU DAYA MOTOR POMPA AIR	S Widoretno	Jurnal Qua Teknika
328	2022	Chemical Approach for the Synthesis of Nanofibers from Sugar Palm Fiber as a Functional Adsorbent Modified with Cobalt Oxide to Remove Dye Waste	L Mahardiani	Key Engineering Materials
329	2022	The Influence Of Principal Instructional Leadership Behaviour On The Organisational Commitment Of Junior High School Teachers In Surakarta	S Sukarmin	Malaysian Journal of Learning and Instruction

330	2022	Incorporation of ZnO Nanoparticle in Starch-Based Edible Coating Matrix for Preservation of Red Globe ( <i>Vitis vinifera</i> Linn.)	L Mahardiani	Materials Science Forum
331	2022	Nanofiber Fabrication from Palm Fiber Waste for Sustainable Water Remediation	L Mahardiani	Moroccan Journal of Chemistry
332	2022	The Sinergy Effect of Essential Oils from Traditional Herbs and Medicines as Antibacterial Materials of Edible Coating on Fresh Fruit	L Mahardiani, E Susilowati, B Hastuti	Moroccan Journal of Chemistry
333	2022	Multiple Representation-Based Blended Learning Model for Chemistry Learning in High School	S Mulyani	PAEDAGOGIA
334	2022	Development of Augmented Reality-Based Interactive “Element Card” Media on Electron Configuration Submaterial According to Niels Bohr	S Sukarmin	Prisma Sains: Jurnal Pengkajian Ilmu dan Pembelajaran Matematika dan IPA IKIP Mataram
335	2022	PENGEMBANGAN PERANGKAT PEMBELAJARAN FISIKA MENGGUNAKAN MODEL SSCS DAN MODEL PQ4R UNTUK MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS DAN PEMECAHAN MASALAH SISWA	S Sarwanto	Prosiding Seminar Nasional Inovasi Pendidikan



336	2022	Studi Literatur Pembelajaran Project Based Learning Terhadap Keterampilan Berpikir Kreatif Ipa Smp	W Sunarno, S Sukarmin,	Prosiding Seminar Nasional Inovasi Pendidikan
337	2022	Pemanfaatan Minyak Jelantah untuk Pembuatan Lilin Ramah Lingkungan	S Widoretno	Prosiding Seminar Nasional Pengabdian Masyarakat
338	2022	Perbandingan Kemampuan Berpikir Tingkat Tinggi Mahasiswa Calon Guru Sains menggunakan Model Pembelajaran Socio-Scientific Problem Based Learning with Spiritual Value dengan Model Problem Based Learning	S Yamtinah	Prosiding SNPBS (Seminar Nasional Pendidikan Biologi dan Saintek)
339	2022	Pengembangan Modul Fisika Berbasis Inkuiri Terbimbing Untuk Meningkatkan Kemampuan Berfikir Tingkat Tinggi (HOTS) Pada Materi Momentum Impuls	W Sunarno	Prosidings Conference of Elementary Studies 2020: literasi dalam pendidikan di era digital untuk generasi milenial
340	2022	Efektivitas Perangkat Pembelajaran Terintegrasi STEM terhadap Kemampuan Berpikir Kritis Siswa	M Masykuri,	SAP (Susunan Artikel Pendidikan)
341	2022	Tantangan Menggunakan Literasi Sain dalam Pembelajaran	S Widoretno	SEMBIO: Seminar Nasional Biologi dan Pendidikan Biologi

342	2022	INOVASI SUNSCREEN DARI EKSTRAK KULIT BAWANG PUTIH DAN BAWANG MERAH SEBAGAI ANTI-KUSAM, ANTI-JERAWAT, DAN ANTI-AGING	S Mulyani	Seminar Nasional Kimia dan Pendidikan Kimia (SN-KPK)
343	2022	Efektifitas Implementasi Rencana Tata Ruang Wilayah Tahun 2014-2034 Di Kabupaten Konawe	S Sukarmin	Synotic Law: Jurnal Ilmu Hukum
344	2022	Pengembangan Software Anti Mischemistryistry Dengan Menggunakan Strategi Conceptual Change Text Untuk Mereduksi Miskonsepsi Siswa Pada Materi Asam Basa	S Sukarmin	UNESA Journal of Chemical Education