

Research Publications 2022–2025

The following table presents a list of scholarly publications published between 2022 and 2025. These articles reflect sustained research contributions and have been published in reputable academic journals.

No	Tahun	Nama DTPS	Judul Artikel (Jurnal, Volume, Tahun, Nomor, Halaman)
1	2025	Prof. Dr. Suyono, M.Pd.	<u>Connected Creative Problem Solving: An Alternative Integrative Learning Model Based on Thinking Skills</u>
2	2025	Prof. Dr. Suyono, M.Pd.	<u>Efektivitas Penggunaan LAPD dengan Model Pembelajaran Inquiry untuk Meningkatkan Kemampuan Berpikir Kritis Peserta Didik</u>
3	2025	Prof. Dr. Suyono, M.Pd.	<u>The Effectiveness of Student Worksheet to Improve Students Problem Solving Skills on the Material of Factors that Affect the Reaction Rate Based on Inquiry Learning</u>
4	2025	Prof. Dr. Suyono, M.Pd.	<u>Validitas Instrumen Penilaian Portofolio sebagai Pendukung Program Perumusan Kerangka Berpikir Penelitian</u>
5	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Analysis Learning Profile of Students with Intellectual Disabilities in Studying the Basic Law of Chemistry Using E-LAPD Based Liveworksheets</u>
6	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Analysis of intellectual disability students' learning profiles on electron configuration material using individual education</u>
7	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Improving teachers' stem competence: Impact of a collaborative professional development workshop</u>
8	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Investigate The Utility Of A Misconception Detection Application As An Early Detection Tool Based On Five-Tier Diagnostics Test</u>
9	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Learning Profile of Intellectually Disabled Students Using e-LAPD with Individualized Strategies Via Liveworksheet on Atomic Theories</u>

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10	2025	Dr. Dian Novita, S.T., M.Pd.	<u>The Validity of a PBL-Based E-Worksheet Chemical Equilibrium for Enhance Creative Thinking</u>
11	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Validity and Reability of the 4tmc Diagnostic Test Instrument Based on Chemical Representation on Chemical Bonding Material to Detect Student Misconceptions</u>
12	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Validity of E-LAPD Based on The Learning Cycle 7-E Model to Improve Critical Thinking Skills Oriented to Multiple Chemical Representations in Reaction Rate Factors Submaterial</u>
13	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Validity of E-LKPD Problem Based Learning Based on Multiple Chemical Representations to Improve Students' Critical Thinking Skills on the Sub-Material of Reaction Rate Factors</u>
14	2025	Dr. Dian Novita, S.T., M.Pd.	<u>Validity of Extraction Booklet to Increase Interest and Learning Outcomes of Edible Oils Industrial Material Class XII Vocational School Industrial Chemistry Expertise Competency</u>
15	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>An Innovative Guided Inquiry Worksheet Integrated with the Nested Approach to Enhance Students' Critical Thinking Skills in Chemical Equilibrium</u>
16	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Chemistry Learning Innovation: Discovery Learning Modified STAD to Motivate and Complete Learning of Inclusive Classroom Students</u>
17	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Development of Problem-Based E-Worksheet to Train Problem-Solving Skills in Reaction Rate Material</u>
18	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>E-Lapd Based On Problem Based Learning To Improve Students' Critical Thinking Skills</u>
19	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Investigate The Utility Of A Misconception Detection Application As An Early Detection Tool Based On Five-Tier Diagnostics Test</u>

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20	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	Pelatihan Penyusunan Lembar Kegiatan Peserta Didik (LKPD) Berbasis Proyek Dalam Implementasi Kurikulum Merdeka Bagi Guru-Guru Sekolah Indonesia Kuala Lumpur (SIKL) Malaysia
21	2025	Dr. Bertha Yonata, S.Pd., M.Pd.	Sparking Deeper Understanding: The Impact of Individual Argumentation on Student Understanding in Chemical Kinetic to Support SDG-4 Quality Education
22	2025	Antina Delhita, M.Pd.	Efektivitas Penggunaan LAPD dengan Model Pembelajaran Inquiry untuk Meningkatkan Kemampuan Berpikir Kritis Peserta Didik
23	2025	Antina Delhita, M.Pd.	The Effectiveness of Student Worksheet to Improve Metacognitive Abilities on Factors That Affect the Reaction Rate Through an Inquiry Learning Model
24	2025	Antina Delhita, M.Pd.	The Effectiveness of Student Worksheet to Improve Students Problem Solving Skills on the Material of Factors that Affect the Reaction Rate Based on Inquiry Learning
25	2025	Antina Delhita, M.Pd.	Validitas Instrumen Penilaian Portofolio sebagai Pendukung Program Perumusan Kerangka Berpikir Penelitian
26	2024	Prof. Dr. Suyono, M.Pd.	Dynamic equilibrium: Identification of initial conceptions and misconceptions on prospective teachers
27	2024	Prof. Dr. Suyono, M.Pd.	Inquiry and debate in science learning: Potential strategy for improving students' scientific argumentation skills
28	2024	Prof. Dr. Suyono, M.Pd.	Misconceptions in dynamic equilibrium, their impact on misconceptions in chemical equilibrium due to concentration factors and their applied on prospective teachers
29	2024	Prof. Dr. Suyono, M.Pd.	Shifting students' conceptions of the catalyst concept by carrying out discussion activities as reinforcement of STEM learning

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30	2024	Dr. Dian Novita, S.T., M.Pd.	<u>Analysis Of Student Conceptions And Conceptual Changes About Chemical Equilibrium Materials In Pressure Factors</u>
31	2024	Dr. Dian Novita, S.T., M.Pd.	<u>Dynamic equilibrium: Identification of initial conceptions and misconceptions on prospective teachers</u>
32	2024	Dr. Dian Novita, S.T., M.Pd.	<u>Misconceptions in dynamic equilibrium, their impact on misconceptions in chemical equilibrium due to concentration factors and their applied on prospective teachers</u>
33	2024	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Shifting students' conceptions of the catalyst concept by carrying out discussion activities as reinforcement of STEM learning</u>
34	2024	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Validity of Electronic Worksheet (E-LKPD) Based on PBL Model to Train Creative Thinking Skills on Acid-Base Material</u>
35	2024	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Validity Test of E-LKPD to Improve Students' Argumentation Skills on Chemical Equilibrium Material</u>
36	2024	Antina Delhita, M.Pd.	<u>Student Support Program in Formulating a Research Framework</u>
37	2023	Prof. Dr. Suyono, M.Pd.	<u>Effectiveness of Socioscientific Issues (SSI) Based Learning to Improve Argumentation Skills</u>
38	2023	Prof. Dr. Suyono, M.Pd.	<u>Kelayakan Lembar Kegiatan Peserta Didik Untuk Melatihkan Keterampilan Argumentasi Melalui Model Argument Driven Inquiry Pada Larutan Penyangga</u>
39	2023	Prof. Dr. Suyono, M.Pd.	<u>The Impact of an Integrated STEAM Project Delivered Via Mobile Technology on The Reasoning Ability of Elementary School Students</u>
40	2023	Prof. Dr. Suyono, M.Pd.	<u>The Influence of Emotional Intelligence, Social Intelligence and Adversity Intelligence on Videography Creativity</u>
41	2023	Prof. Dr. Suyono, M.Pd.	<u>Validity of Structured Assignment Sheet to Train Argumentation Skills on Buffer Solution</u>

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42	2023	Prof. Dr. Suyono, M.Pd.	<u>Validity of Student Worksheet Based on Scientific Literacy to Train Argumentation Skills on Buffer Solution</u>
43	2023	Dr. Dian Novita, S.T., M.Pd.	<u>Penerapan Project Based Learning Dengan Strategi Teaching At The Right Level Untuk Meningkatkan Keterampilan Kolaborasi Dan Komunikasi Peserta Didik Pada Materi Hukum Dasar Kimia</u>
44	2023	Dr. Dian Novita, S.T., M.Pd.	<u>POGIL (Process Oriented Guided Inquiry Learning) e-Worksheet to Improve Critical Thinking Skills on Reaction Rate Material</u>
45	2023	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Development of Student Worksheet with Guided Discovery Oriented to Train HOTS on Thermochemistry Matter</u>
46	2023	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Monitoring and Evaluation of Lectures During the Covid-19 Pandemic Period as a Part of Education Quality Assurance</u>
47	2023	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>The Integration of Green Chemistry Principles in Basic Chemistry Learning to Support Achievement of Sustainable Development Goals (SDGs) through Education.</u>
48	2023	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Validity of Project-Based Learning-Based Worksheets to Improve Critical Thinking Skills on Acid-Base Material</u>
49	2022	Prof. Dr. Suyono, M.Pd.	<u>Profil of Science Literacy Skill of Junior High School Student on Energy Materials in Living Systems in Online Learning</u>
50	2022	Prof. Dr. Suyono, M.Pd.	<u>Possible Failure of Applying Conceptual Change Learning Strategies for Chemical Concepts: A Meta Analysis</u>
51	2022	Prof. Dr. Suyono, M.Pd.	<u>Kelayakan Lembar Penugasan Terstruktur pada Materi Termokimia yang Meratifikasi Nasihat Socrates dan Rene Descartes</u>
52	2022	Prof. Dr. Suyono, M.Pd.	<u>Kelayakan Lembar Penugasan Terstruktur pada Materi Laju Reaksi untuk Melatihkan Literasi Sains</u>
53	2022	Prof. Dr. Suyono, M.Pd.	<u>Core Measure Analysis of the Happiness Evaluative Characteristics Using Ordinal Logistic Regression</u>

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54	2022	Dr. Dian Novita, S.T., M.Pd.	The Practicality And Effectiveness Of Case Study-Based Module On Chemical Thermodynamics Course (Ideal And Real Gases) As Learning Tool During The Covid-19 Pandemic
55	2022	Dr. Dian Novita, S.T., M.Pd.	In-service EFL Teachers' Sociocultural-based TPACK Beliefs and Practices: Voice of Teachers and Students
56	2022	Dr. Dian Novita, S.T., M.Pd.	Guided inquiry learning model application to train students' critical thinking skills on chemical equilibrium material
57	2022	Dr. Dian Novita, S.T., M.Pd.	Guided inquiry learning model implementation to improve senior high school students' critical thinking skills on equilibrium material
58	2022	Dr. Dian Novita, S.T., M.Pd.	Application of a guided inquiry learning model assisted by a student worksheet to improve high school students analytical skills
59	2022	Dr. Dian Novita, S.T., M.Pd.	Students' Integrated Science Process Skills and Argumentation in Basic Natural Science Lecture
60	2022	Dr. Dian Novita, S.T., M.Pd.	The effectiveness of the guided inquiries learning model on the critical thinking ability of students
61	2022	Dr. Dian Novita, S.T., M.Pd.	Feasibility Of Students Worksheets Using Conceptual Change To Remediate Misconceptions On Chemical Bonding Material
62	2022	Dr. Dian Novita, S.T., M.Pd.	Conceptual Profile In Chemistry: The Matter Of Atomic Theories
63	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	Pelatihan Penyusunan LKPD Eksperimen Sederhana untuk Guru Kimia Sampang Jawa Timur
64	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	Laboratorium Virtual sebagai Media Pembelajaran Kimia untuk Menyongsong Implementasi Kurikulum Merdeka
65	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	Using flipped classroom approach to promote critical thinking skills on reaction rate topic

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66	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Implementation of the guided inquiry learning model to train critical thinking skills in senior high school</u>
67	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Implementation of guided inquiry learning model to train students' critical thinking skills on reaction rate topic</u>
68	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Implementation of guided inquiry learning model to improve student scientific literacy on factors affecting rate of reaction materials</u>
69	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Implementation of guided inquiry learning model to exercise students critical thinking skills on reaction rate material</u>
70	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Development of student worksheets based on guided inquiries to train students science process skills on reaction rate materials</u>
71	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Laboratorium Virtual sebagai Media Pembelajaran Kimia untuk Menyongsong Implementasi Kurikulum Merdeka</u>
72	2022	Dr. Bertha Yonata, S.Pd., M.Pd.	<u>Answers Argumentation Instrument to Strengthen Conception Diagnostic Test on The Concept of Chemical Kinetics: Validity aspect</u>