

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. Harun Nasrudin, M.Si.	Development of Electronic Student Worksheets (E-Worksheets) Based on Problem-Based Learning to Train The Critical Thinking Abilities of Students on Acid-Base Topics
2	2025	Prof. Dr. Harun Nasrudin, M.Si.	Development of Guided Inquiry-Oriented Electronic Student Worksheets to Train Critical Thinking Skills on Acid-Base Titration
3	2025	Prof. Dr. Harun Nasrudin, M.Si.	Development of Problem Solving-Based Student Worksheets to Improve Students' Science Process Skills on Reaction Rate Material
4	2025	Prof. Dr. Harun Nasrudin, M.Si.	Development of Problem-Based Learning Oriented Electronic Worksheets (e-worksheets) to Improve Students' Critical Thinking Skills on Salt Hydrolysis Material
5	2025	Prof. Dr. Harun Nasrudin, M.Si.	Development of Students Worksheet Based on Project-Based Learning to Train Critical Thinking Skills at Vocational High School
6	2025	Prof. Dr. Harun Nasrudin, M.Si.	Profile of Critical Thinking Skills of Phase F Learning in Chemistry Subjects Acid-Base Material
7	2025	Prof. Dr. Harun Nasrudin, M.Si.	Science Process Skills Profile of First Semester Students in Basic Chemistry Course
8	2025	Prof. Dr. Harun Nasrudin, M.Si.	The Effectiveness of Predict-Observe-Explain (POE) Based E-Modules to Improve Critical Thinking Skills on Chemical Equilibrium
9	2024	Prof. Dr. Harun Nasrudin, M.Si.	Pelatihan Penyusunan Soal Berbasis Argumentasi Bagi Guru Kimia Di Kabupaten Gresik
10	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of electronic worksheets based on project-based learning assisted by a virtual laboratory to train students' critical thinking skills
11	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of guided inquiry-oriented e-worksheets to improve students' science process skills in acid-base material

12	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of Problem Solving Based E-LKPD on Acid and Base Materials to Train Students' Critical Thinking
13	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of Student Worksheet based Guided Inquiry to Train Students Critical Thinking Skills on Buffer Solution
14	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of Student Worksheets based Process Oriented Guided Inquiry Learning to Remediate Student's Misconceptions on Acid and Base
15	2023	Prof. Dr. Harun Nasrudin, M.Si.	Development of Student Worksheets Oriented Guided Inquiry to Improve Student's Critical Thinking Skills on Acid Base Material
16	2023	Prof. Dr. Harun Nasrudin, M.Si.	Validity of Student Worksheets Based on Model Argument Driven Inquiry Integrated by STEM to Train Students' Argumentation Ability and Self-Efficacy in Chemical Equilibrium Material
17	2022	Prof. Dr. Harun Nasrudin, M.Si.	Role of Digitalization: Why Game-Based Learning Important During the COVID-19 Pandemic?
18	2022	Prof. Dr. Harun Nasrudin, M.Si.	APPLICATION OF COOPERATIVE LEARNING TYPE THINK PAIR SHARE COMBINED MAKE A MATCH TO PRACTICE COMMUNICATION SKILLS ON ACID BASE MATERIALS
19	2022	Prof. Dr. Harun Nasrudin, M.Si.	Problem Solving Thinking Skills: Effectiveness of Problem-Solving Model in Teaching Chemistry College Students
20	2022	Prof. Dr. Harun Nasrudin, M.Si.	Penerapan model pembelajaran kooperatif tipe stad untuk meningkatkan literasi sains peserta didik melalui metode blended learning pada materi laju reaksi
21	2022	Prof. Dr. Harun Nasrudin, M.Si.	Guided Inquiry-Based Worksheet Development to Improve Critical Thinking Skills on Colloidal Properties Sub Material
22	2022	Prof. Dr. Harun Nasrudin, M.Si.	Implementation of Guided Inquiry Based On Contextual Approach to Improve Students Critical Thinking Skills on Reaction Rate Material
23	2022	Prof. Dr. Harun Nasrudin, M.Si.	Development of Student Worksheet with Guided Inquiry to Train High Order Thinking Skills on the Reaction Rate Materials
24	2022	Prof. Dr. Harun Nasrudin, M.Si.	Laboratorium Virtual sebagai Media Pembelajaran Kimia untuk Menyongsong Implementasi Kurikulum Merdeka

25	2025	Dr. Muchlis, S.Pd., M.Pd.	IMPROVING STUDENTS' CRITICAL THINKING SKILLS ON HYDROCARBON MATERIAL THROUGH ASSESSMENT FOR LEARNING
26	2024	Dr. Muchlis, S.Pd., M.Pd.	Application of E- worksheet Oriented on PBL Model to Improve Critical Thinking Skills on Acid-Base Material (19(6), 2024, 1047–1051)
27	2024	Dr. Muchlis, S.Pd., M.Pd.	Enhancing Student Outcomes in Acid-Base Titration Through Assessment for Learning
28	2024	Dr. Muchlis, S.Pd., M.Pd.	Implementation of the Afl Guided Inquiry Model to Optimize Learning Outcomes in Acid-Base Titration Material
29	2024	Dr. Muchlis, S.Pd., M.Pd.	Scientific Literacy-Oriented Problem Based Learning Model on Improving Critical Thinking Skills
30	2024	Dr. Muchlis, S.Pd., M.Pd.	The Effect of Assessment for Learning in Chemistry Learning on Students' Learning Outcomes
31	2024	Dr. Muchlis, S.Pd., M.Pd.	The Effect of Self-Regulated Learning Strategy on Student Learning Outcomes in Acid-Base Titration Material
32	2023	Dr. Muchlis, S.Pd., M.Pd.	Development of assessment for learning-oriented electronic student worksheets to improve student learning outcomes on acid-base titration material
33	2023	Dr. Muchlis, S.Pd., M.Pd.	Kelayakan LKPD Berorientasi Assessment For Learning (Afl) Untuk Meningkatkan Hasil Belajar Peserta Didik Pada Materi Larutan Penyangga
34	2023	Dr. Muchlis, S.Pd., M.Pd.	PENGEMBANGAN E-LKPD BERORIENTASI MODEL PBL UNTUK MENINGKATKAN KETERAMPILAN BERPIKIR KRITIS PADA MATERI ASAM BASA.
35	2023	Dr. Muchlis, S.Pd., M.Pd.	Pengembangan LKPD Berorientasi Assessment for Learning untuk Meningkatkan Keterampilan Berpikir Kritis Peserta Didik pada Materi Titrasi Asam Basa
36	2023	Dr. Muchlis, S.Pd., M.Pd.	Student Worksheet Oriented on Assessment for Learning to Improve Learning Outcome on Acid Base Titration
37	2023	Dr. Muchlis, S.Pd., M.Pd.	Student Worksheet Oriented on Self-Regulated Learning (SRL) Strategy to Improve Student Learning Outcomes on Acid-Base Titration
38	2022	Dr. Muchlis, S.Pd., M.Pd.	Implementasi model pembelajaran inkuiri terbimbing berbasis google classroom terhadap keterampilan proses sains peserta didik

39	2025	Dr. Rusmini, S.Pd., M.Si.	Connected Creative Problem Solving: An Alternative Integrative Learning Model Based on Thinking Skills
40	2024	Dr. Rusmini, S.Pd., M.Si.	Effectiveness of the Connected Learning Cycle (CLC) for Training Scientific Literacy Skills and Argumentation Skills in Prospective Chemistry Teacher Students
41	2024	Dr. Rusmini, S.Pd., M.Si.	PELATIHAN PENYUSUNAN SOAL BERBASIS ARGUMENTASI BAGI GURU KIMIA DI KABUPATEN GRESIK
42	2023	Dr. Rusmini, S.Pd., M.Si.	Feasibility of Interactive E-LKPD Based on Nature of Science (NoS) to Train Students' Critical Thinking Skills on Chemical Bonding Material
43	2023	Dr. Rusmini, S.Pd., M.Si.	Profile of critical and creative thinking skills of chemistry education students based on non-routine problems
44	2023	Dr. Rusmini, S.Pd., M.Si.	Science Literacy-Based Student Worksheets to Improve Critical Thinking Skills on Acid-Base Materials
45	2023	Dr. Rusmini, S.Pd., M.Si.	Student Worksheet Using Toulmin's Argumentation Pattern on Chemical Equilibrium Materials to Improve Critical Thinking Skills
46	2023	Dr. Rusmini, S.Pd., M.Si.	The Effectiveness of Student Worksheet Based on Scientific Literacy to Train Argumentation Skills on Factors that Affecting Reaction Rate
47	2022	Dr. Rusmini, S.Pd., M.Si.	Flipped Classroom Model in Descriptive Statistical Learning Based on Malay-Deli Context
48	2022	Dr. Rusmini, S.Pd., M.Si.	Development of e-worksheet assisted by liveworksheets to improve science process skills and collaboration on chemical equilibrium materials
49	2022	Dr. Rusmini, S.Pd., M.Si.	Utilization of Surrounding Materials to Support Basic Chemistry Learning in the Covid19 Pandemic Era
50	2022	Dr. Rusmini, S.Pd., M.Si.	Improving science process skills and collaboration on the lesson reaction rate using electronic student worksheet assisted with liveworksheets website
51	2025	Dr. Amiq Fikriyati, S.Pd., M.Pd.	Connected Creative Problem Solving: An Alternative Integrative Learning Model Based on Thinking Skills
52	2025	Dr. Amiq Fikriyati, S.Pd., M.Pd.	STEM education and local wisdom for sustainability: A decade of trends and insights from bibliometric analysis

53	2025	Dr. Amiq Fikriyati, S.Pd., M.Pd.	INTEGRASI CASE BASED LEARNING DALAM E-MODUL AMINA BAGI MAHASISWA CALON GURU KIMIA
54	2023	Dr. Amiq Fikriyati, S.Pd., M.Pd.	Critical thinking cycle model to promote critical thinking disposition and critical thinking skills of pre-service science teacher
55	2023	Dr. Amiq Fikriyati, S.Pd., M.Pd.	Online Critical Thinking Cycle Model to Improve Pre-service Science Teacher's Critical Thinking Dispositions and Critical Thinking Skills
56	2023	Dr. Amiq Fikriyati, S.Pd., M.Pd.	The Effectiveness of Online Critical Thinking Cycle Learning Model on Pre-service Science Teachers' Critical Thinking Skills
57	2022	Dr. Amiq Fikriyati, S.Pd., M.Pd.	Pre-service science teachers' critical thinking dispositions and critical thinking skills
58	2022	Dr. Amiq Fikriyati, S.Pd., M.Pd.	Critical thinking cycle model to promote critical thinking disposition and critical thinking skills of pre-service science teacher