

List of Publication
Chemistry Education Study Program 2022

No	Year	Publication's Title	Authors	Journal's Name	Kind of Publications	Link Access
1	2022	Development of Learning Devices on Acid-Base Material in the Discovery Learning Model to Increase Student Motivation and Learning Outcomes	Prof. Dr. Sudding, M.S.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32722
2	2022	The effect of particle size on the quality of coconut shell charcoal briquettes	Prof. Dr. Sudding, M.S.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/33903
3	2022	The effect of chitosan concentration on color stability of kesumba seeds in cotton fabric	Prof. Dr. Sudding, M.S.	Analit: Analytical and Environmental Chemistry	National Journal	https://jurnal.fmipa.unila.ac.id/analit/article/view/2972
4	2022	The Effect of Problem Based Learning (PBL) Virtual Labs Media on Student Learning Outcomes in Class XI MIA SMA Negeri 1 Jeneponto (Study on Basic Material of Acid-Base Titration)	Prof. Dr. Pince Salempa, M.Si.	Jurnal Riset Pendidikan Kimia (JRPK)	National Journal	https://journal.unj.ac.id/unj/index.php/jrpk/article/view/24881
5	2022	Cytotoxicity Test of Methanol Extract of Belajang Susu (Scindapsus pictus Hassk.) Against MCF-7 Breast Cancer Cells	Prof. Dr. Pince Salempa, M.Si.	Indonesian Journal of Fundamental Sciences	National Journal	https://garuda.kemdikbud.go.id/documents/detail/3297067
6	2022	Development of Electronic Worksheets through the Discovery Learning Model to Improve Students' Critical Thinking Skills (Study on Basic Materials of Electrolyte and Non-Electrolyte Solutions)	Prof. Dr. Pince Salempa, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/39491
7	2022	The Effect of the Talking Stick Method in the Guided Inquiry Learning Model on Learning Outcomes of Class XI MIA Students at SMA Negeri 10 Gowa (Study on the Main Material of Buffer Solutions)	Prof. Dr. Pince Salempa, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEdu/article/view/32492

8	2022	Development of Affective and Psychomotor Assessment in Basic Chemistry Practicum at the Hatta-Sjahrir Fisheries College (STP) Banda Naira	Prof. Dr. Pince Salempa, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/39476
9	2022	Development of Guided Inquiry-Based E-Modules to Increase Learning Independence and Student Learning Outcomes in Colloidal Material	Prof. Dr. Muhammad Danial, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32728
10	2022	Development of Problem Solving-Based E-LKPD on Acid-Base Titration Material to Increase Student Motivation and Learning Outcomes	Prof. Dr. Muhammad Danial, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32718
11	2022	Development of E-Modules on Colloidal Materials to Improve Students' Creative Thinking Ability	Prof. Dr. Muhammad Danial, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32732
12	2022	Development of problem-based electronic student worksheets (LKPD) on acid and base solutions	Prof. Dr. Muhammad Danial, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32721
13	2022	Peer Counseling Program as a Model for Helping Psychological Problems During the Covid-19 Pandemic	Prof. Dr. Muhammad Danial, M.Si.	Jurkam	National Journal	https://journal.stkip-andi-matappa.ac.id/index.php/jurkam/article/view/2136
14	2022	Skills Improvement for Counseling Teachers in Conducting Psychosocial Assistance for Earthquake Surviving Students	Prof. Dr. Muhammad Danial, M.Si.	Matappa	National Seminar Research and Community Service	https://journal.stkip-andi-matappa.ac.id/index.php/matappa/article/view/2135
15	2022	Improving student learning outcomes in expression of sympathy through the pmpdr model and teachmint applications	Prof. Dr. Muhammad Danial, M.Si.	Action: Jurnal Inovasi Penelitian Tindakan Kelas dan Sekolah	National Journal	https://jurnalp4i.com/index.php/action/article/view/1441
16	2022	Online and Offline English Learning Systems: Perceptual from Teachers and Students	Prof. Dr. Muhammad Danial, M.Si.	LETS: Journal of Linguistics and English Teaching Studies / Articles	National Journal	https://www.jurnal.stainmajene.ac.id/index.php/lets/article/view/346

17	2022	The Effect of e-Magazine in the Discovery Learning Model on the Learning Outcomes of Students in Class X SMA Negeri 8 Selayar (Study on Oxidation Reduction Subject Matter)	Drs. Alimin, M.S.	Journal of Chemical Education	National Journal	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/49035
18	2022	The Influence of Animation Media in the Discovery Learning Model on Student Motivation and Learning Outcomes in Class XI IPA SMA Negeri 1 Toraja Utara	Drs. Alimin, M.S.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/36019
19	2022	The Effect of the Jigsaw Cooperative Learning Model on Student Learning Outcomes in Class X SMA Negeri 1 Pangsid Sidrap (Study on the Subject of Redox Reactions)	Dra. Sumiati Side, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/32498
20	2022	The Effect of Acid Treatment on Metal Oxide Content of South Sulawesi Natural Clay	Dra. Sumiati Side, M.Si.	Indonesian Journal of Fundamental Science	National Journal	https://ojs.unm.ac.id/pinisi/article/view/40737/19536
21	2022	Characterization of Natural Clay from Gowa Regency, South Sulawesi Province, Indonesia	Dra. Sumiati Side, M.Si.	Jurnal Akademika Kimia	National Journal	https://jurnal.fkip.untad.ac.id/index.php/jak/article/view/1887
22	2022	The Effect of Active Knowledge Sharing Type Learning Strategies in the Problem Based Learning Model on Learning Outcomes of Class XII Students of SMA Negeri 19 Gowa (Study on the Subject of Redox and Electrochemical Reactions)	Dra. Ramdani, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/36813
23	2022	The Effect of Uno Card Media in the STAD Type Cooperative Learning Model on Learning Outcomes of Class XI MIPA Students of SMA Negeri 1 Polewali Mandar (Study on Hydrocarbon Subject Matter)	Dr. Taty Sulastry, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/32494

24	2022	Development of Guided Inquiry-Based Interactive Learning Media on the Main Material of Chemical Equilibrium	Drs. Muhammad Jasri Djangi, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/39336
25	2022	The Influence of Word Search Puzzle Games in Cooperative Learning Type TGT (Teams Games Tournament) on Learning Outcomes of Class X Students of SMAN 1 Baraka (Study on Basic Materials of Hydrocarbons)	Drs. Muh Yunus, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/39338
26	2022	Analysis of conceptive understanding using the three tier multiple choice diagnostic test on acid base materials in class xi sma negeri 9 bone	Drs. Muh Yunus, M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/34000
27	2022	Comparative Study of the Use of the TGT Cooperative Learning Model and the STAD Type of Cooperative Learning Model on the Learning Outcomes of Class X Students of SMAN 1 Campalagian (Material of Reduction and Oxidation Reactions)	Dr. Halimah Husain, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/39335
28	2022	The Influence of the Guided Inquiry Learning Model on Student Learning Outcomes in Class XI MIA SMA Negeri 14 Makassar (Study on the Main Material of Buffer Solutions)	Dr. Halimah Husain, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/36786
29	2022	The effect of the quiz team method in the discovery learning model on the learning outcomes of chemistry in class xi mipa students of sma negeri 1 wonomulyo wonomulyo	Dr. Muhammad Anwar, M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/34001
30	2022	Analysis of Students' Concept Mastery Taught by Guided Inquiry Method on the Subject Material of Chemical Bonds	Dr. Muhammad Anwar, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/38711

31	2022	Development of Flipbook Maker-Based Chem-Magz as an Independent Learning Resource for Class XI MIPA Students	Dr. Army Auliah, M.Si.	Chemistry Education Review (CER)	National Journal	https://ojs.unm.ac.id/CER/article/view/32727
32	2022	The Effects of Kahoot! Interactive Quiz! Using the Discovery Learning Model for Student Learning Outcomes in Class X MIPA SMA Negeri 6 Bone (Study on the Main Material of Electrolyte and Non-electrolyte Solutions)	Dr. Army Auliah, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/34265
33	2022	Study on the content of secondary metabolite compounds of some anging extract (usnea sp.) And its bioactivity test on (candida albicans)	Dr. Army Auliah, M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/34077
34	2022	The effect of peer tutoring method in the discovery learning model on learning outcomes of students in class x mia sma negri 11 enrekang (study on the subject material of oxidation reduction reactions)	Dr. Army Auliah, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/32499
35	2022	The Effectiveness of the Online Discovery Learning Model for Improving Learning Outcomes of Class XI Mia Students at SMA Negeri 21 Bone (Study on the subject matter of Reaction Rate)	Dr. Army Auliah, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/27879
36	2022	The Effect of Question Student Have Method in the Guided Inquiry Learning Model on Student Learning Outcomes in Class Xi Mia Man 2 Makassar (Study on Buffer Solution Material)	Dr. Sugiarti, M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/38845
37	2022	Comparison of characteristics of coconut shell briquettes using starch and sago adhesives	Dr. Sugiarti, M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/34105

38	2022	The Effect of Using Liveworksheets Media in the Discovery Learning Model on Learning Outcomes of Class XI MIPA Students of SMA Negeri 6 Bone (Study on Basic Material of Acid-Base Solutions)	Dr. Netti Herawati, S.Pd., M.Si.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/33232
39	2022	Effect of sorbitol addition on cross-bounded chitosan as a wound plastering material	Dr. Netti Herawati, S.Pd., M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/35499
40	2022	Effect of sorbitol concentration as a plasticizer in the production of biodegradable plastic from corn cobs	Dr. Netti Herawati, S.Pd., M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/33918
41	2022	The Influence of Macromedia Flash-Based Media on the Discovery Learning Learning Model on Learning Outcomes of Class X Students of Cendana State Senior High School, Enrekang Regency	Maryono, S.Si., MM., Apt.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/36782
42	2022	Isolation and bioactivity assessment of secondary metabolite compounds ethyl acetate extract of soursop (annona muricata linn.) skin extracts	Maryono, S.Si., MM., Apt.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/39774
43	2022	Development of a Modification Problem-Based Learning (M-PBL) Strategy to Stimulate Chemistry Education Students' Metacognitive Ability	Dr. Jusniar, S.Pd., M.Pd.	J-PEK (Jurnal Pembelajaran Kimia)	National Journal	http://journal2.um.ac.id/index.php/j-pek/article/view/24595
44	2022	Development of e-comic learning media for reduction and oxidation material based on flip pdf professional on the discovery learning	Dr. Jusniar, S.Pd., M.Pd.	Unesa Journal of Chemical Education	National Journal	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/49079
45	2022	Development of E-module Flipbook Buffer Solution Based on Discovery Learning Model	Dr. Jusniar, S.Pd., M.Pd.	Unesa Journal of Chemical Education	National Journal	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/49098

46	2022	Analysis of science literacy achievement of students in class xi mipa 1 sman 4 toraja utara viewed from the dimensions of knowledge and attitude	Dr. Eda Lolo Allo, S.Pd, M.Pd.	Learning	National Journal	https://www.jurnalp4i.com/index.php/learning/article/view/1584
47	2022	Student Learning Motivation: An Intervention Discovery Learning Model on Electrolyte and Non-Electrolyte Solution Material	Dr. Eda Lolo Allo, S.Pd, M.Pd.	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEd/article/view/37807
48	2022	Metacognition integrated hydrocarbon compound e-modules: a theoretical and empirical review	Dr. Eda Lolo Allo, S.Pd, M.Pd.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/39787
49	2022	Effect of chitosan and caco3 filler addition on the bioplastic characteristics of gadung tum (dioscorea hispida densst)	Diana Eka Pratiwi, S.Si., M.Si.	Chemica	National Journal	https://ojs.unm.ac.id/chemica/article/view/33919
50	2022	The Effect of Binder Concentration on the Ability of Gelcasting Porous Ceramics as TiO2 Support Catalysts	Diana Eka Pratiwi, S.Si., M.Si.	Indonesian Journal of Fundamental Sciences	National Journal	https://ojs.unm.ac.id/pinisi/article/view/33168
51	2022	Development of pdf flip e-book using discovery learning model on subject material reaction rate (study in class xi sma negeri 5 luwu)	Hardin, S.Si., S.Pd., M.Si.	Unesa Journal of Chemical Education	National Journal	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/48750
52	2022	Diversification of processed miana leaves for community empowerment in Sokkolia Village, Gowa Regency	Ahmad Fudhail Majid, S.Pd., M.Si.	Journal of Community Service and Empowerment	National Seminar Research and Community Service	https://ejournal.umm.ac.id/index.php/jcse/article/view/19642
53	2022	Flipped Classroom Implementation Using Mind Mapping Media in Chemistry Learning Assessments	Munawwarah, S.Pd., M.Pd.	Orbital: Jurnal Pendidikan Kimia	National Journal	http://jurnal.radenfatah.ac.id/index.php/orbital/article/view/15037
54	2022	Development of Multimodal E-Books as Interactive Teaching Materials in Chemistry Learning	Munawwarah, S.Pd., M.Pd.	Jambura Journal of Educational Chemistry	National Journal	https://ejurnal.ung.ac.id/index.php/jjec/article/view/15315
55	2022	Potential of Bajakah Tampala (Spatholobus littoralis Hassk) As Antibacterial and Antifungal Against	Nita Magfirah Ilyas, S.Si., M.Si.	Mandala Pharmacon Indonesia Journal	National Journal	http://www.jurnal-pharmaconmw.com/jmpi/index.php/jmpi/article/view/212

		Staphylococcus aureus and Candida albicans				
56	2022	Counseling on the benefits of vitamins in establishing innate immunity and adaptive immunity in the new normal period	Nita Magfirah Ilyas, S.Si., M.Si.	Bernas: Community Service	National Journal	https://www.ejournal.unma.ac.id/index.php/bernas/article/view/3322
57	2022	Mendeley Software Use Training to Improve the Quality of Scientific Work Prospective Researchers and Educational Observers	Gusma Harfiana Abbas, S.Si., M.Si.	JPKM: Community Service	National Journal	https://tabikpun.fmipa.unila.ac.id/index.php/jpkm_tp/article/view/98
58	2022	Literature Review: Students' Critical Thinking Ability in Chemistry Learning	Sakinah Zubair, S.Pd., M.Pd	Chemedu	National Journal	https://ojs.unm.ac.id/ChemEdu/article/view/39175
59	2022	Profile of prospective science teacher students' asking ability	Sakinah Zubair, S.Pd., M.Pd	Phydagogic	National Journal	https://ojs.unsulbar.ac.id/index.php/phy/article/view/2115
60	2022	Utilization of Household Waste to Become Liquid Organic Biofertilizer (LOB) to Trigger the Growth of Ornamental Plants in Bontoduri Village	Zuhrah Adminira Ruslan	JIPPM: Community Service	National Journal	https://publications.id/index.php/jippm/article/view/48