

RESEARCH OUTPUT IN CHEMISTRY EDUCATION FOR UPCE IN 2021

No	Title	Authors (Year)	Name of Journal/Proceeding	Quartil	URL/DOI
1	Metacognitive Skills and Self-Regulated Learning in Prospective Chemistry Teachers: Role of Metacognitive Skill-Based Teaching Materials	Dr. Utiya Azizah, M.Pd. Prof. Dr. Harun Nasrudin, M.S.	Journal of Turkish Science Education), SJR 2020: 0.59. Vol 18. No.3, 2021. pp 461-476	Q2	https://www.tused.org/index.php/tused/article/view/730/695
2	Learning Success Chemical Bonds By Using The "Chebo Collect Game": A Case Study	Prof. Dr. Achmad Lutfi, M.Pd. Rusly Hidayah, M.Pd., Dr. Sukarmin, M.Pd. Kusumawati Dwiningsih, M.Pd.	Journal Of Technology And Science Education (Jotse)	Q3	https://www.jotse.org/index.php/jotse/article/view/1265
3	Gamification For Science Learning Media: Teacher Challengers And Student Expectation.	Prof. Dr. Achmad Lutfi, M.Pd. Rusly Hidayah, M.Pd.	International Journal Of Interactive Mobile Technologies (IJIM)	Q3	https://online-journals.org/index.php/ijim/article/view/15175/8537
4	The Effectiveness Of STEM Based Inquiry Learning Packages To Improving Students' Critical Thinking Skill	Prof. Dr. Harun Nasrudin. M.S.	Journal For The Education Of Gifted Young Scientists	Q3	https://dergipark.org.tr/en/pub/jegys/issue/64497/832239
5	Analysis Of Science Process Skills Of Chemical Education Students Through Self Project Based Learning (Sjbl) In The Pandemic COVID 19 Era	Rusmini, S.Pd., M.Si. Prof. Dr. Suyono, M.Pd. Prof. Dr. Rudiana A., M.Pd.	Journal Of Technology And Science Education	Q3	https://www.jotse.org/index.php/jotse/article/view/1288
6	Applying Gamification To Improve The Quality Of Teaching And Learning Of Chemistry In High Schools: A Case Study Of Indonesia.	Prof. Dr. Achmad Lutfi, M.Pd. Prof. Dr. Suyono, M.Pd. Rusly Hidayah, M.Pd.	Asia-Pacific Forum On Science Learning And Teaching.	Q4	https://www.eduhk.hk/apfslt/v20_issue2/lutfi/index.htm
7	The Claims Statements From Viral Videos For Instrument Development To Assess Argumentation Thinking Skills	Prof. Dr. Suyono. M.Pd. Prof. Dr. Harun Nasrudin, M.S. Bertha Yonata, M.Pd.	IOP Conf. Series: Journal Of Physics: Conference Series (JPCS)	Q4	https://iopscience.iop.org/article/10.1088/1742-6596/1899/1/012174/meta

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8	The Diagnosis Of Misconception On The Concept Of Acid-Base Theory In Prospective Teacher Students Used A Three-Tier Test	Rusmini, S.Pd., M.Si. Prof. Dr. Suyono, M.Pd. Bertha Yonata, M.Pd.	IOP - Journal Of Physics: Conference Series- J. Phys.: Conf. Ser. 1899 012061	Q4	https://iopscience.iop.org/article/10.1088/1742-6596/1899/1/012061
9	Application Of Nanogold And Nanosilver To Reduce Rheumatic Arthritis: Case Study At Leprosy Patients	Prof. Dr. Titik Taufiqurohmah Rusmini, S.Pd., M.Si.	Iop- Journal Of Physics: Conference Series- Annual Conference On Science And Technology (ANCOSET 2020)	Q4	https://www.proquest.com/docview/2515172880/55d73a5cf20a44d6pq/1
10	The Effectiveness of Blended Learning in Chemistry Creative Media Course	Bertha Yonata, S.Pd., M.Pd. Dian Novita, S.T., M.Pd.	IOP - Journal Of Physics: Conference Series- J. Phys.: Conf. Ser. 1899 012061	Q4	https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012037
11	Analysis of Undergraduate Mathematic Students' Understanding on Microscopic Representation of General Chemistry Lecture based on Their Scientific Reasoning Ability	Findiyani Ernawati Asih, S.Pd., M.Pd. Muhamad Arif Mahdiannur, S.Pd., M.Pd. Ernita Vika Aulia, S.Pd., M.Pd.	IOP - Journal Of Physics: Conference Series- J. Phys.: Conf. Ser. 1899 012061	Q4	https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012036
12	Utilization Of Surrounding Materials To Support Basic Chemistry Learning In The Covid19 Pandemic Era	Dr. Mitarlis, S.Pd., M.Si. Prof. Dr. Harun Nasrudin, M.S. Bertha Yonata, M.Pd. Dian Novita, S.T., M.Pd.	Proceedings Of The International Joint Conference On Science And Engineering 2021 (IJCSE 2021)		https://www.atlantispress.com/proceedings/ijcse-21/125966533
13	Development Of Critical Thinking Skills And Argumentation Skills Assessment Instruments Towards 21st-Century Skills Based On Non-Routine Problems	Rusmini, S.Pd., M.Si. Prof. Dr. Suyono, M.Pd. Prof. Dr. Rudiana A., M.Pd.	Atlantis Press - International Joint Conference On Science And Engineering 2021 (IJCSE 2021)		https://www.atlantispress.com/proceedings/ijcse-21/125966583
14	Four-Tier Diagnostic Test On Chemical Kinetics Concepts For Undergraduate Students	Bertha Yonatha, S.Pd., M.Pd. Prof. Dr. Suyono, M.Pd. Dr. Utiya Azizah, M.Pd.	Proceedings Of The International Joint Conference On Science And Engineering 2021 (Ijcse 2021)		https://www.atlantispress.com/proceedings/ijcse-21/125966491

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15	Dynamic Equilibrium: The Conception Of A Prospective Chemistry Teacher	Dian Novita, ST., M.Pd. Prof. Dr. Suyono, M.Pd. Prof. Dr. Leny Yuanita, M.Si.	Proceedings Of The International Joint Conference On Science And Engineering 2021 (IJCSE 2021)		https://www.atlantis-pub.com/proceedings/ijcse-21/125966580
16	The Validity Of The Internalized Argumentation Skills Test For Chemistry Students.	Prof. Dr. Suyono. M.Pd. Prof. Dr. Harun Nasrudin, M.S. Bertha Yonata, M.Pd.	E3S Web Of Conferences 328, 06008. (2021). ICST 2021		https://www.e3s-conferences.org/articles/e3sconf/pdf/2021/104/e3sconf_icstunkhair2021_06008.pdf
17	Profile Of Argumentation Ability Of Undergraduate Students In Chemistry Education Based On Non-Routine Problems	Rusmini, S.Pd., M.Si. Prof. Dr. Suyono, M.Pd. Prof. Dr. Rudiana A., M.Pd.	E3S Web Conf. Volume 328, 2021 International Conference On Science And Technology (ICST 2021)		https://www.e3s-conferences.org/articles/e3sconf/abs/2021/104/e3sconf_icstunkhair2021_06007/e3sconf_icstunkhair2021_06007.html
18	Beneêts Of Nanogold Injections To Treat Rheumatism Arthritis Complaints: A Case Study On Covid19 Clinical Test Volunteers	Rusmini, S.Pd., M.Si. Prof. Dr. Titik Taufiqurohmah	E3S Web Conf. Volume 328, 2021 International Conference On Science And Technology (ICST 2021)		https://www.e3s-conferences.org/articles/e3sconf/abs/2021/104/e3sconf_icstunkhair2021_01017/e3sconf_icstunkhair2021_01017.html
19	Students' Well-Being and Game Implementation In Learning Chemistry In Merdeka Belajar Era	Prof. Dr. Achmad Lutfi, M.Pd.	Jurnal Pendidikan Kimia Indonesia Vol. 5, No 1, April 2021 pp. 34 - 43	Sinta 2	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/30127
20	Pengembangan KIT Praktikum Media Pembelajaran Materi Campuran Dan Larutan Peserta Didik Tunanetra SMPLB	Prof. Dr. Achmad Lutfi, M.Pd.	Jurnal Pendidikan Kimia Indonesia Vol. 5, No 1, April 2021 pp. 16 - 24	Sinta 2	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/30742

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21	Gamifikasi Untuk Pendidikan: Pembelajaran Kimia Yang Menyenangkan Pada Masa Pandemic Covid-19	Prof. Dr. Achmad Lutfi, M.Pd.	Jurnal Pendidikan Kimia Indonesia Vol. 5, No 2, Oktober 2021	Sinta 2	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/38486
22	Metode Blended Learning Berbantuan Google Classroom Meningkatkan Kemandirian Belajar Siswa	Dr. Utiya Azizah, M.Pd.	Jurnal Pendidikan Kimia Indonesia. Vol. 5 No 1. 2021. pp. 9 – 15. April 2021	Sinta 2	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/31343/18438
23	E-LKPD Berorientasi Contextual Teaching And Learning Untuk Melatihkan Keterampilan Berpikir Kritis Siswa Pada Materi Termokimia	Dr. Muchlis, S.Pd., M.Pd.	Jurnal Pendidikan Kimia Indonesia Vol 5, No 1 (2021)	Sinta 2	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/30987 http://dx.doi.org/10.23887/jpk.v5i1.30987
24	The Correlation Analysis Between Critical Thinking Skills And Learning Outcomes Through Implementation Of Guided Inquiry Learning Models	Prof. Dr. Harun Nasrudin, M.S.	Jurnal Pendidikan Sains (JPS)	Sinta 3	https://jurnal.unimus.ac.id/index.php/jpkimia/article/view/6846/pdf
25	Effectiveness Of Guided Inquiry-Based On Blended Learning In Improving Critical Thinking Skills	Prof. Dr. Harun Nasrudin, M.S.	Jurnal Penelitian Ilmu Pendidikan (JPIP)	Sinta 3	https://journal.uny.ac.id/index.php/jpip/article/view/36947/15577
26	Development Of Worksheet Of Conceptual Change To Reduce Misconceptions About VSEPR And Hybridization For Low Imagination Students	Prof. Dr. Suyono, M.Pd. Dr. Utiya Azizah, M.Pd.	Jurnal Pendidikan MIPA (JPMIPA). Volume 22 No. 1. Juni 2021. pp 121-136.	Sinta 3	http://jurnal.fkip.unila.ac.id/index.php/jpmipa/article/view/22456
27	Analisis Korelasi Keterampilan Metakognitif Dan Minat Belajar Terhadap Hasil Belajar Siswa Pada Materi Kesetimbangan Kimia	Dr. Utiya Azizah, M.Pd.	Jurnal Kependidikan: Jurnal Hasil Penelitian dan Kajian Kepustakaan di Bidang Pendidikan, Pengajaran, dan Pembelajaran. Volume	Sinta 3	https://e-journal.undikma.ac.id/index.php/jurnalkependidikan/article/view/3327/2617

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			7, no 2. Juni 2021. pp 472 – 480.		
28	Pengembangan Lembar Kerja Peserta Didik (LKPD) Berwawasan Green Chemistry Untuk Meningkatkan Kemampuan Literasi Sains Pada Materi Asam Basa	Dr. Mitarlis, S.Pd., M.Si.	Jurnal Inovasi Pendidikan Kimia, Vol 15, No 1, pp. 2764 – 2777.	Sinta 3	https://journal.unnes.ac.id/nju/index.php/jipk/article/view/26031
29	Student Worksheets With Scientific Literacy Oriented On Hydrolysis Matter By Utilizing Surrounding Materials As An Alternative Practicum In Pandemic Era.	Dr. Mitarlis, S.Pd., M.Si.	Journal Of Educational Sciences, Vol. 5 No. 3 (July, 2021) 542-558	Sinta 3	https://jes.ejournal.unri.ac.id/index.php/jes/article/view/8195
30	Implementation of Cooperative Learning Model NHT To Train Students Communication Skill In Acid Base Matter	Dr. Muchlis, S.Pd., M.Pd.	Journal Of Chemistry Education Research (JCER), Vol. 5 No. 1, June 2021	Sinta 3	https://journal.unesa.ac.id/index.php/jcer/article/view/7896
31	Implementation Of Problem Based Learning To Train Critical Thinking Skills Students At Basic Acid Materials	Dr. Muchlis, S.Pd., M.Pd.	Journal Of Chemistry Education Research (JCER), Vol. 5 No. 2, December 2021	Sinta 3	https://journal.unesa.ac.id/index.php/jcer/article/view/8230
32	Hydrocarbon And Petroleum With Sets Approach Module To Train Students' Critical Thinking Skills	Rusmini, S.Pd., M.Si.	Indonesian Journal Of Science And Mathematics Education	Sinta 3	http://ejournal.radenintan.ac.id/index.php/IJSME/article/view/7839
33	Identify Misconception On Reaction Rate Concept Using Four-Tier Multiple Choice (4TMC) Diagnostic Test Instrument	Dian Novita, ST., M.Pd.	Journal Of Chemistry Education (JCER)	Sinta 3	https://journal.unesa.ac.id/index.php/jcer/article/view/7870
34	The Development Of STEM (Science, Technology, Engineering And Mathematics)	Prof. Dr. Harun Nasrudin, M.S.	Jurnal Penelitian Pendidikan Sains (JPPS)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/10995/5714

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	Based Inquiry Learning Packages To Train Students' Critical Thinking Skill				
35	Analysis Of Critical Thinking Skills In Reaction Rate Using Guided Inquiry With Web-Assisted Courses.	Prof. Dr. Harun Nasrudin, M.S.	Chemistry Education Practice	Sinta 4	https://jurnalfkip.unram.ac.id/index.php/cep/article/view/2399/2034
36	Implementation Of Guided Inquiry-Based On Blended Learning To Improve Students' Metacognitive Skills In Reaction Rate	Dr. Utiya Azizah, M.Pd.	International Journal of Chemistry Education Research (IJCER) Vol. 5. Issue 1 April 2021 pp 1-11	Sinta 4	https://journal.uui.ac.id/ijcer/article/view/17608/pdf
37	Student Worksheet Oriented On Science, Technology, Engineering, And Mathematics (STEM) With PJBL Model On Acid Base Matter By Using Natural Product.	Dr. Mitarlis, S.Pd., M.Si.	Jurnal Pendidikan Kimia Vol. 13, No. 1, Pp. 22 – 37.	Sinta 4	https://jurnal.unimed.ac.id/2012/index.php/jpk/article/view/24141
38	Lembar Kerja Peserta Didik Berorientasi Mind Mapping Untuk Melatihkan Keterampilan Berfikir Kreatif Pada Materi Asam Basa.	Dr. Mitarlis, S.Pd., M.Si.	UNESA Journal Of Chemical Education. Vol.10, No. 2, Pp. 131-139.	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38552
39	Development Of Student Worksheets With Inductive Model Oriented To Train The Critical Thinking Of Students Class XI SMA On Thermochemistry Materials	Dr. Mitarlis, S.Pd., M.Si.	UNESA Journal Of Chemical Education ISSN: 2252-9454. Vol.10, No. 3, Pp. 213 - 221, September 2021	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/40764/36313
40	Student Worksheet With Mind Mapping Strategy To Practice Creative Thinking Skills On Redox Matter Class X	Dr. Mitarlis, S.Pd., M.Si.	UNESA Journal Of Chemical Education. Vol.10, No. 2, Pp. 185–194, May 2021	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38973/34433

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41	Development Of Student Worksheet Which Problem Based Learning Oriented To Increase Students Critical Thinking Skills On Hydrocarbon Material	Dr. Mitarlis, S.Pd., M.Si.	UNESA Journal Of Chemical Education. Vol.10, No. 2, Pp. 103–112, May 2021	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38384
42	Pengembangan LKPD Berbasis Predict-Observe-Explain Untuk Melatihkan Keterampilan Berpikir Kritis Peserta Didik Pada Materi Daya Hantar Listrik Larutan.	Dr. Muchlis, S.Pd., M.Pd.	Jurnal Pendidikan Kimia Undiksha Vol 5, No 1 (2021)	Sinta 4	https://ejournal.undiksha.ac.id/index.php/jipk/article/view/32705
43	Penerapan Model Pembelajaran POGIL Pada Materi Laju Reaksi Untuk Melatihkan Keterampilan Berpikir Kritis Peserta Didik	Dr. Muchlis, S.Pd., M.Pd.	Unesa Journal Of Chemical Education (Ujced), Vol 10 No 1 (2021)	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/37355
44	Pengembangan LKPD Berbasis Problem Based Learning Untuk Melatihkan Keterampilan Berpikir Kritis Pada Materi Larutan Penyangga	Dr. Muchlis, S.Pd., M.Pd.	Unesa Journal Of Chemical Education (Ujced), Vol 10 No 1 (2021)	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/39079
45	Acid Base Module With SETS Approach To Train Students' Critical Thinking Skill	Rusmini, S.Pd., M.Si.	Jurnal Pendidikan Dan Pembelajaran Kimia (JPPK)	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/JPK/article/view/22109
46	Acid Base Module With SETS Approach To Train Students' Critical Thinking Skill	Rusmini, S.Pd., M.Si.	Jurnal Pendidikan Dan Pembelajaran Kimia (JPPK)	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/22109
47	Kelayakan Lembar Kerja Peserta Didik Untuk Melatihkan Keterampilan Argumentasi Peserta Didik SMA Kelas XI	Rusmini, S.Pd., M.Si.	UNESA Journal Of Chemical Education	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38798/34379
48	Pengembangan Lembar Kerja Peserta Didik Untuk Melatihkan Keterampilan Argumentasi	Rusmini, S.Pd., M.Si.	UNESA Journal Of Chemical Education	Sinta 4	https://ejournal.unesa.ac.id/index.php/journal-of-

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	Ilmiah Peserta Didik Pada Materi Laju Reaksi				chemical-education/article/view/38912/34378
49	Training The Analysis Skills Of Student Through The Application Of Guided Inquiry Learning Models On Reaction Rate Materials	Dian Novita, ST., M.Pd.	Jurnal Penelitian Pendidikan Sains (JPPS)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/11329
50	Strategi Konflik Kognitif Sebagai Pembelajaran Remedial Materi Laju Reaksi Untuk Mereduksi Miskonsepsi Kelas XI Mipa SMAN 2 Blitar	Dian Novita, ST., M.Pd.	Jurnal Pendipa	Sinta 4	https://ejournal.unib.ac.id/index.php/pendipa/article/view/14578
51	Development Of Worksheets To Reduce Misconception With A Conceptual Change Text Strategy On Reaction Rate Factors	Dian Novita, ST., M.Pd.	Jurnal Pendidikan Dan Pembelajaran Kimia (JPPK) Dipublikasikan Oleh Pendidikan Kimia FKIP Unila	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21909
52	Pelatihan Pembuatan Media Video Pembelajaran Berbasis Windows+G Dalam Upaya Edukasi Tenaga Pendidik Di Kota Surabaya Pada Masa Pandemi Covid-19	Dian Novita, ST., M.Pd.	Jurnal ABDI: Media Pengabdian Kepada Masyarakat	Sinta 4	https://journal.unesa.ac.id/index.php/abdi/article/view/11141
53	Creative Thinking Skills In Sub Material Factor Affecting The Rate Of Reaction With The Application Of Online-Based Worksheets On Guided Inquiry	Dian Novita, ST., M.Pd.	JPPS (Jurnal Penelitian Pendidikan Sains)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/11334
54	Exploring Cause Of Misconception On Reaction Rate Using 4tmc Diagnostic Test Instrument	Dian Novita, ST., M.Pd.	JPPS (Jurnal Penelitian Pendidikan Sains)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/12653

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55	Implementation Of Electronic Student Worksheet Based On Guided Inquiry Learning Model On Chemical Equilibrium Material To Improve The Students' Creative Thinking Skills	Dian Novita, ST., M.Pd.	JPPS (Jurnal Penelitian Pendidikan Sains)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/11220
56	Training The Analysis Skills Of Student Through The Application Of Guided Inquiry Learning Models On Reaction Rate Materials	Dian Novita, ST., M.Pd.	JPPS (Jurnal Penelitian Pendidikan Sains)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/11329
57	Creative Thinking Skills In Sub Material Factor Affecting The Rate Of Reaction With The Application Of Online-Based Worksheets On Guided Inquiry	Dian Novita, ST., M.Pd.	JPPS (Jurnal Penelitian Pendidikan Sains)	Sinta 4	https://journal.unesa.ac.id/index.php/jpps/article/view/11334
58	Development Of Student Worksheet Based On Inquiry And Internet Assisted Learning To Practice Critical Thinking Skills In Submateries Of Reaction Rates.	Bertha Yonatha, S.Pd., M.Pd.	JPPK FKIP Unila	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21559
59	Development Of Inquiry LKPD Through Internet Assisted Learning To Train Science Process Skills	Bertha Yonatha, S.Pd., M.Pd.	JPPK FKIP Unila	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21556
60	Development Of Students Worksheet Based STEM (Science, Technology, Engineering, And Mathematics) To Improve Student Critical Thinking Skill In Reaction Rate	Bertha Yonatha, S.Pd., M.Pd.	JPPK FKIP Unila	Sinta 4	http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/23186
61	Student Worksheet Development To Practice Critical Thinking Skill	Bertha Yonatha, S.Pd., M.Pd.	IJCER UII	Sinta 4	https://journal.uui.ac.id/ijcer/article/view/17713

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	Using Blended Learning On Reaction Rate				