

TABLE RESEARCH OUTPUT IN CHEMISTRY EDUCATION FOR UPCE IN 2021

Research Group/ Name of staff*	Link
CHEMISTRY LEARNING ASSESSMENT	
Name: Prof. Dr. Harun Nasrudin, M.S. Prof. Dr. Rudiana Agustini, M.Pd. Dr. Muchlis, S.Pd., M.Pd. Rusmini, S.Pd.,M.Si.	
Prof. Dr. Harun Nasrudin. M.S. et al. The Claims Statements From Viral Videos For Instrument Development To Assess Argumentation Thinking Skills	https://iopscience.iop.org/article/10.1088/1742-6596/1899/1/012174/meta
Prof. Dr. Harun Nasrudin. M.S. et al. The Validity Of The Internalized Argumentation Skills Test For Chemistry Students.	https://www.e3s-conferences.org/articles/e3sconf/pdf/2021/10/4/e3sconf_icstunkhair2021_06008.pdf
Prof. Dr. Harun Nasrudin. M.S. The Effectiveness Of STEM Based Inquiry Learning Packages To Improving Students' Critical Thinking Skill	https://dergipark.org.tr/en/pub/jegys/issue/64497/832239
Prof. Dr. Harun Nasrudin. M.S. The Correlation Analysis Between Critical Thinking Skills And Learning Outcomes Through Implementation Of Guided Inquiry Learning Models	https://jurnal.unimus.ac.id/index.php/jpkimia/article/view/6846/pdf
Prof. Dr. Harun Nasrudin. M.S. Effectiveness Of Guided Inquiry-Based On Blended Learning In Improving Critical Thinking Skills	https://journal.uny.ac.id/index.php/jpip/article/view/36947/15577
Prof. Dr. Harun Nasrudin. M.S. The Development Of STEM (Science, Technology, Engineering And Mathematics) Based Inquiry Learning Packages To Train Students' Critical Thinking Skill	https://journal.unesa.ac.id/index.php/jpps/article/view/10995/5714
Prof. Dr. Harun Nasrudin. M.S.	https://jurnalfkip.unram.ac.id/index.php/cep/article/view/2399/2034

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Analysis Of Critical Thinking Skills In Reaction Rate Using Guided Inquiry With Web-Assisted Courses	
Dr. Muchlis, S.Pd., M.Pd. E-LKPD Berorientasi Contextual Teaching And Learning Untuk Melatihkan Keterampilan Berpikir Kritis Siswa Pada Materi Termokimia	https://ejournal.undiksha.ac.id/index.php/jpk/article/view/30987 http://dx.doi.org/10.23887/jpk.v5i1.30987
Dr. Muchlis, S.Pd., M.Pd. Implementation of Cooperative Learning Model NHT To Train Students Communication Skill In Acid Base Matter	https://journal.unesa.ac.id/index.php/jcer/article/view/7896
Implementation Of Problem Based Learning To Train Critical Thinking Skills Students At Basic Acid Materials	https://journal.unesa.ac.id/index.php/jcer/article/view/8230
Dr. Muchlis, S.Pd., M.Pd. Pengembangan LKPD Berbasis Predict-Observe-Explain Untuk Melatihkan Keterampilan Berpikir Kritis Peserta Didik Pada Materi Daya Hantar Listrik Larutan.	https://ejournal.undiksha.ac.id/index.php/jipk/article/view/32705
Dr. Muchlis, S.Pd., M.Pd. Penerapan Model Pembelajaran POGIL Pada Materi Laju Reaksi Untuk Melatihkan Keterampilan Berpikir Kritis Peserta Didik	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/3735
Dr. Muchlis, S.Pd., M.Pd. Pengembangan LKPD Berbasis Problem Based Learning Untuk Melatihkan Keterampilan Berpikir Kritis Pada Materi Larutan Penyangga	https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/39079
Rusmini, S.Pd., M.Si. et al. Development Of Critical Thinking Skills And Argumentation Skills Assessment Instruments Towards 21st-Century Skills Based On Non-Routine Problems	https://www.atlantis-press.com/proceedings/ijcse-21/125966583
Rusmini, S.Pd., M.Si. et al. Analysis Of Science Process Skills Of Chemical Education Students Through Self Project Based Learning (Sjbl) In The Pandemic COVID 19 Era	https://www.jotse.org/index.php/jotse/article/view/1288
Rusmini, S.Pd., M.Si. et al. The Diagnosis Of Misconception On The Concept Of Acid-Base Theory In Prospective Teacher Students Used A Three-Tier Test	https://iopscience.iop.org/article/10.1088/1742-6596/1899/1/012061
Prof. Dr. Titik Taufiqurohmah Rusmini, S.Pd., M.Si. Application Of Nanogold And Nanosilver To Reduce Rheumatic Arthritis: Case Study At Leprosy Patients	https://www.proquest.com/docview/2515172880/55d73a5cf20a44d6pq/1
Rusmini, S.Pd., M.Si.	http://ejournal.radenintan.ac.id/index.php/IJ_SME/article/view/7839

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Hydrocarbon And Petroleum With Sets Approach Module To Train Students' Critical Thinking Skills	