**TABLE RESEARCH OUTPUT IN CHEMISTRY EDUCATION FOR UPCE IN 2021**

| **Research Group/ Name of staff\*** | **Link** |
| --- | --- |
| **CHEMISTRY LEARNING THEORY AND INNOVATION** | |
| **Nama:**  **Dr. Utiya Azizah, M.Pd.**  **Dr. Mitarlis, S.Pd., M.Si.**  **Bertha Yonata, S.Pd., M.Pd.** |  |
| Dr. Utiya Azizah, M.Pd. et al.  Metacognitive Skills and Self-Regulated Learning in Prospective Chemistry Teachers: Role of Metacognitive Skill-Based Teaching Materials | <https://www.tused.org/index.php/tused/article/view/730/695> |
| Dr. Utiya Azizah, M.Pd. et al.  Metode Blended Learning Berbantuan Google Classroom Meningkatkan Kemandirian Belajar Siswa | <https://ejournal.undiksha.ac.id/index.php/jpk/article/view/31343/18438> |
| Dr. Utiya Azizah, M.Pd. et al.  Analisis Korelasi Keterampilan Metakognitif Dan Minat Belajar Terhadap Hasil Belajar Siswa Pada Materi Kesetimbangan Kimia | <https://e-journal.undikma.ac.id/index.php/jurnalkependidikan/article/view/3327/2617> |
| Dr. Utiya Azizah, M.Pd. et al.  Implementation Of Guided Inquiry-Based On Blended Learning To Improve Students’ Metacognitive Skills In Reaction Rate | <https://journal.uii.ac.id/ijcer/article/view/17608/pdf> |
| Dr. Mitarlis, S.Pd., M.Si.  Utilization Of Surrounding Materials To Support Basic Chemistry Learning In The Covid19 Pandemic Era | <https://www.atlantis-press.com/proceedings/ijcse-21/125966533> |
| Dr. Mitarlis, S.Pd., M.Si.  Pengembangan Lembar Kerja Peserta Didik (LKPD) Berwawasan Green Chemistry Untuk Meningkatkan Kemampuan Literasi Sains Pada Materi Asam Basa | [https://journal.unnes.ac.id/nju/index.php/jipk/article/view/26031](https://journal.unnes.ac.id/nju/index.php/JIPK/article/view/26031) |
| Dr. Mitarlis, S.Pd., M.Si.  Student Worksheets With Scientific Literacy Oriented On Hydrolysis Matter By Utilizing Surrounding Materials As An Alternative Practicum In Pandemic Era. | [https://jes.ejournal.unri.ac.id/index.php/jes/article/view/8195](https://jes.ejournal.unri.ac.id/index.php/JES/article/view/8195) |
| Dr. Mitarlis, S.Pd., M.Si.  Student Worksheet Oriented On Science, Technology, Engineering, And Mathematics (STEM) With PJBL Model On Acid Base Matter By Using Natural Product | <https://jurnal.unimed.ac.id/2012/index.php/jpk/article/view/24141> |
| Dr. Mitarlis, S.Pd., M.Si.  Lembar Kerja Peserta Didik Berorientasi Mind Mapping Untuk Melatihkan Keterampilan Berfikir Kreatif Pada Materi Asam Basa. | <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38552> |
| Dr. Mitarlis, S.Pd., M.Si.  Development Of Student Worksheets With Inductive Model Oriented To Train The Critical Thinking Of Students Class XI SMA On Thermochemistry Materials | <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/40764/36313> |
| Dr. Mitarlis, S.Pd., M.Si.  Student Worksheet With Mind Mapping Strategy To Practice Creative Thinking Skills On Redox Matter Class X | <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38973/34433> |
| Dr. Mitarlis, S.Pd., M.Si.  Development Of Student Worksheet Which Problem Based Learning Oriented To Increase Students Critical Thinking Skills On Hydrocarbon Material | <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38384> |
| Bertha Yonata, S.Pd., M.Pd.  The Effectiveness of Blended Learning in Chemistry Creative Media Course | <https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012037> |
| Bertha Yonata, S.Pd., M.Pd.  Four-Tier Diagnostic Test On Chemical Kinetics Concepts For Undergraduate Students | <https://www.atlantis-press.com/proceedings/ijcse-21/125966491> |
| Bertha Yonata, S.Pd., M.Pd.  Development Of Student Worksheet Based On Inquiry And Internet Assisted Learning To Practice Critical Thinking Skills In Submateries Of Reaction Rates | <http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21559> |
| Bertha Yonata, S.Pd., M.Pd.  Development Of Inquiry LKPD Through Internet Assisted Learning To Train Science Process Skills | <http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21556> |
| Bertha Yonata, S.Pd., M.Pd.  Development Of Students Worksheet Based STEM (Science, Technology, Engineering, And Mathematics) To Improve Student Critical Thinking Skill In Reaction Rate | <http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/23186> |
| Bertha Yonata, S.Pd., M.Pd.  Student Worksheet Development To Practice Critical Thinking Skill Using Blended Learning On Reaction Rat | <https://journal.uii.ac.id/ijcer/article/view/17713> |