

**TABLE RESEARCH OUTPUT IN 2021**  
**CHEMISTRY LEARNING THEORY AND INNOVATION**

| Name of staff/ Article Publication*   | Link  |
|---|---|
| Dr. Utiya Azizah, M.Pd. et al.<br>Metacognitive Skills and Self-Regulated Learning in Prospective Chemistry Teachers: Role of Metacognitive Skill-Based Teaching Materials              | <a href="https://www.tused.org/index.php/tused/article/view/730/695">https://www.tused.org/index.php/tused/article/view/730/695</a>   |
| Dr. Utiya Azizah, M.Pd. et al.<br>Metode Blended Learning Berbantuan Google Classroom Meningkatkan Kemandirian Belajar Siswa  | <a href="https://ejournal.undiksha.ac.id/index.php/jpk/article/view/31343/18438">https://ejournal.undiksha.ac.id/index.php/jpk/article/view/31343/18438</a>                         |
| Dr. Utiya Azizah, M.Pd. et al.<br>Analisis Korelasi Keterampilan Metakognitif Dan Minat Belajar Terhadap Hasil Belajar Siswa Pada Materi Kesetimbangan Kimia                            | <a href="https://ejournal.undikma.ac.id/index.php/jurnalkependidikan/article/view/3327/2617">https://ejournal.undikma.ac.id/index.php/jurnalkependidikan/article/view/3327/2617</a> |
| Dr. Utiya Azizah, M.Pd. et al.<br>Implementation Of Guided Inquiry-Based On Blended Learning To Improve Students' Metacognitive Skills In Reaction Rate                                 | <a href="https://journal.uui.ac.id/ijcer/article/view/17608/pdf">https://journal.uui.ac.id/ijcer/article/view/17608/pdf</a>   |
| Dr. Mitarlis, S.Pd., M.Si.<br>Utilization Of Surrounding Materials To Support Basic Chemistry Learning In The Covid19 Pandemic Era  | <a href="https://www.atlantispress.com/proceedings/ijcse-21/125966533">https://www.atlantispress.com/proceedings/ijcse-21/125966533</a>   |
| Dr. Mitarlis, S.Pd., M.Si.<br>Pengembangan Lembar Kerja Peserta Didik (LKPD) Berwawasan Green Chemistry Untuk Meningkatkan Kemampuan Literasi Sains Pada Materi Asam Basa               | <a href="https://journal.unnes.ac.id/nju/index.php/jipk/article/view/26031">https://journal.unnes.ac.id/nju/index.php/jipk/article/view/26031</a>                                   |
| Dr. Mitarlis, S.Pd., M.Si.<br>Student Worksheets With Scientific Literacy Oriented On Hydrolysis Matter By Utilizing Surrounding Materials As An Alternative Practicum In Pandemic Era. | <a href="https://jes.ejournal.unri.ac.id/index.php/jes/article/view/8195">https://jes.ejournal.unri.ac.id/index.php/jes/article/view/8195</a>                                       |
| Dr. Mitarlis, S.Pd., M.Si.  | <a href="https://jurnal.unimed.ac.id/2012/index.php/jpk/article/view/24141">https://jurnal.unimed.ac.id/2012/index.php/jpk/article/view/24141</a>                                   |

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| 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.<br>Lembar Kerja Peserta Didik Berorientasi Mind Mapping Untuk Melatihkan Keterampilan Berfikir Kreatif Pada Materi Asam Basa.                              | <a href="https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38552">https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38552</a>             |
| Dr. Mitarlis, S.Pd., M.Si.<br>Development Of Student Worksheets With Inductive Model Oriented To Train The Critical Thinking Of Students Class XI SMA On Thermochemistry Materials    | <a href="https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/40764/36313">https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/40764/36313</a> |
| Dr. Mitarlis, S.Pd., M.Si.<br>Student Worksheet With Mind Mapping Strategy To Practice Creative Thinking Skills On Redox Matter Class X   | <a href="https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38973/34433">https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38973/34433</a> |
| Dr. Mitarlis, S.Pd., M.Si.<br>Development Of Student Worksheet Which Problem Based Learning Oriented To Increase Students Critical Thinking Skills On Hydrocarbon Material            | <a href="https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38384">https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/38384</a>             |
| Bertha Yonata, S.Pd., M.Pd.<br>The Effectiveness of Blended Learning in Chemistry Creative Media Course   | <a href="https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012037">https://iopscience.iop.org/article/10.1088/1742-6596/1747/1/012037</a>   |
| Bertha Yonata, S.Pd., M.Pd.<br>Four-Tier Diagnostic Test On Chemical Kinetics Concepts For Undergraduate Students   | <a href="https://www.atlantispress.com/proceedings/ijcse-21/125966491">https://www.atlantispress.com/proceedings/ijcse-21/125966491</a>   |
| Bertha Yonata, S.Pd., M.Pd.<br>Development Of Student Worksheet Based On Inquiry And Internet Assisted Learning To Practice Critical Thinking Skills In Submateries Of Reaction Rates | <a href="http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21559">http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21559</a>   |
| Bertha Yonata, S.Pd., M.Pd.<br>Development Of Inquiry LKPD Through Internet Assisted Learning To Train Science Process Skills   | <a href="http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21556">http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/21556</a>   |
| Bertha Yonata, S.Pd., M.Pd.   | <a href="http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/23186">http://jurnal.fkip.unila.ac.id/index.php/jpk/article/view/23186</a>   |

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| Development Of Students Worksheet Based STEM (Science, Technology, Engineering, And Mathematics) To Improve Student Critical Thinking Skill In Reaction Rate |   |
| Bertha Yonata, S.Pd., M.Pd.<br>Student Worksheet Development To Practice Critical Thinking Skill Using Blended Learning On Reaction Rat                      | <a href="https://journal.uui.ac.id/ijcer/article/view/17713">https://journal.uui.ac.id/ijcer/article/view/17713</a> |