



Profil Rumpun:

TEORI DAN INOVASI PEMBELAJARAN

Deskripsi

Rumpun teori dan inovasi pembelajaran kimia memfokuskan dharma pendidikan pada penguatan mata kuliah teori belajar, pembelajaran inovatif I, dan pembelajaran inovatif II dan mata kuliah penunjang rumpun bidang keahlian. Selanjutnya terkait dengan dharma penelitian dan pengabdian masyarakat, rumpun teori dan inovasi pembelajaran kimia menguatkan penelitian dan pengabdian tentang keahlian: *Learning theory development, Inovative Learning, Thinking Skills, Green Chemistry, Metacognitive Skill, Self-Regulated Learning, Problem-Solving, scientific literation, Conceptual Change, dan argumentation skills.*

Tim RBK Teori dan Inovasi Pembelajaran		
	Dr. Utiya Azizah, M.Pd. (Ketua Rumpun)	Keahlian: <i>Learning theory development, Inovative Learning, Thinking Skills, Metacognitive Skills, Self-Regulated Learning, Problem-Solving.</i>
	Dr. Mitarlis, S.Pd., M.Si. (Anggota)	Keahlian: <i>Learning theory development, Inovative Learning, Thinking Skills, Green Chemistry, scientific literacy.</i>

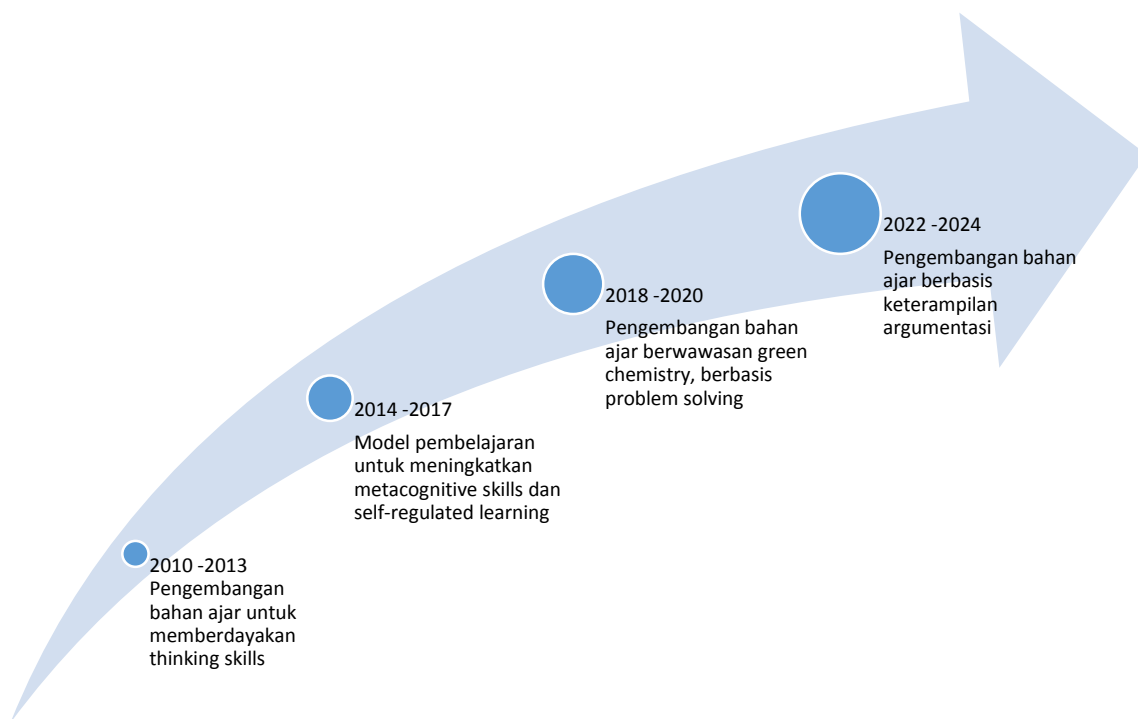
Tim RBK Teori dan Inovasi Pembelajaran



Bertha Yonata, S.Pd., M.Pd.
(Anggota)

Keahlian:
*Learning theory
development, Inovative
Learning, Thinking Skills,
argumentation skills,
Conceptual Change,
Misconceptions in
Chemistry, Diagnostic Test*

Roadmap Penelitian



Research Projects

1. Pengembangan Perangkat Pembelajaran Kimia Berorientasi “Group Investigation Cooperative” untuk Memberdayakan Kecakapan Berpikir.
2. Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Contextual Teaching and Learning untuk Meningkatkan Keterampilan Berpikir
3. Model Pembelajaran untuk Meningkatkan Keterampilan Metakognitif, Kemandirian Belajar dan Penguasaan Konsep Kimia
4. Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif untuk Membangun Kemandirian Belajar dan Mencegah Miskonsepsi
5. Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan Green Chemistry dalam Rangka Mewujudkan Green Education
6. Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning.
7. Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem-Solving
8. Profil Konsepsi Mahasiswa Jurusan Kimia pada Materi Kimia
9. Pengembangan Bahan Ajar Kimia Berbasis STEM untuk Meningkatkan Keterampilan Pemecahan Masalah
10. Pengembangan Perangkat Perkuliahan Kimia untuk Melatihkan Keterampilan Argumentasi

Research Publications

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://ejournal.undikma.ac.id/index.php/jurnalkependidikan/article/view/3327/2617

Research Group/ Name of staff*	Link
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.atlantispress.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
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
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.atlantispress.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

Research Group/ Name of staff*	Link
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.uui.ac.id/ijcer/article/view/17713