

## STAFF HANDBOOK



<b>Name</b>	<b>Dr. Utiya Azizah, M.Pd.</b>		
<b>Position</b>	<i>Chemistry Education Lecturer</i>		
	<i>Associate Professor</i>		
	<i>Degree</i>	<i>University</i>	<i>Year</i>
<b>Academic career</b>	Bachelor Degree (Chemistry Education)	IKIP Surabaya – Indonesia	1990
	Master Degree (Science Education)	IKIP Surabaya – Indonesia	1998
	Doctoral Degree (Science Education)	Universitas Negeri Surabaya –	2016
<b>Employment</b>	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Associate Professor	Universitas Negeri Surabaya - Indonesia	-
<b>Research development projects over the last 5 years(2014-2019)</b>	<p>2017 Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan Green Chemistry Dalam Rangka Mewujudkan Green Education (Development of Learning Tools for Basic Chemistry Course with Green Chemistry Insights in order to Embodying Green Education) Penelitian Sosial, Humaniora, dan Pendidikan IDR 82.981.000,00</p> <p>2017 Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif untuk Membangun Kemandirian Belajar dan Memprevensi Miskonsepsi Mahasiswa Penelitian Produk Terapan Lanjutan IDR 55.321.000,00</p> <p>2018 (Development of Basic Chemistry Learning Tools based on</p>		

Metacognitive for Building Learning Independence and Preventing Student Misconceptions) Pemberdayaan Kemampuan Berpikir Mahasiswa Unggulan Melalui Pengembangan Buku Ajar Asesmen Berbasis Pembelajaran Reading, Questioning, and Answering(RQA) (Empowerment of Excel Students' Thinking Ability Through the Development of Assessment Textbooks Based on Reading, Questioning, and Answering (RQA) Learning) 2018 Penelitian Dana PNBP FMIPA Unesa IDR 10.000.000,00

2018 Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning dalam Upaya Meningkatkan Keterampilan Berpikir Mahasiswa (Development of Basic Chemistry I Teaching Materials Based on Problem Solving by Blended Learning as Effort to Improve Students' Thinking Skills) 2018 Penelitian Dana PNBP FMIPA Unesa IDR. 10.000.000,00

2018 Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan Green Penelitian Chemistry Dalam Rangka Mewujudkan Green Education (Development of Learning Tools for Basic Chemistry Course with Green Chemistry Insights in order to Embodying Green Education) IDR 120.000.000,00

2019 Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem-Solving pada Mahasiswa Kimia (Exploration of Conceptual Changes and Metacognitive Skills in Problem-Solving-Based Learning Chemistry Students) IDR 40.000.000,00

2019 Upaya Peningkatan Keterampilan Berpikir Mahasiswa Melalui Implementasi Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning (Efforts to Improve Students' Thinking Skills Through the Implementation of Basic Chemistry I Material Based on Problem Solving Based on Blended Learning) IDR 10.000.000,00

2019 Profil Konsepsi Mahasiswa Jurusan Kimia pada Materi Kimia (Chemistry Department Students Conception Profile on Chemistry Topics) 2019 PNBP Melalui FMIPA IDR 10.000.000,00

2019 Pengembangan Media Pembelajaran Daring Kimia (BeDaK) sebagai Solusi Pembelajaran di Era New Normal (Development of Chemistry Online Learning Media (BeDaK) as a Learning Solution in the New Normal Era) IDR 12.000.000,00

2020 Pengembangan Media Pembelajaran Daring Kimia (BeDaK) sebagai Solusi Pembelajaran di Era New Normal (Development of Chemistry Online Learning Media (BeDaK) as a Learning Solution in the New Normal Era) IDR.

	12.000.000,00		
	2022- Project Based Learning dalam Pembelajaran Kimia Dasar Berwawasan Green Chemistry Berbasis Bahan Sekitar-Penelitian Kompetitif FMIPA- IDR 20.000.000		
	2022 - Evaluasi Kerangka Berpikir Pada Tesis Dan Disertasi Prodi Pendidikan Sains Pasca Sarjana Unesa Lima Tahun Terakhir- Penelitian Kompetitif PASCASARJANA – IDR 45.000.000		
	2022- Pelatihan Penggunaan Laboratorium Virtual untuk Pembelajaran Kimia sebagai penunjang Kurikulum Merdeka di Kabupaten Nganjuk - kebijakan Fakultas (FMIPA)- IDR 10.000.000		
<b>Patents and Proprietary Rights</b>	<b>Title</b>	<b>Patent ID</b>	<b>Year</b>
	Buku Organisasi dan Manajemen Laboratorium Pendidikan Kimia ( <i>Chemistry Education Laboratory Organization and Management Book</i> ) ISBN: 978-979-028-349-7	Copyright Registration Number:C00201602905	2016
	Buku Larutan (Solution Book)	Copyright Registration Number:C00201603489	2016
	Buku Asesmen ( <i>Assessment Book</i> )	Copyright Registration Number:C00201602919	2016
	Instrumen Tes Pelacakan Konsepsi untuk Miskonsepsi Mahasiswa dalam Perkuliahan Kimia Dasar ( <i>Conception Tracking Test Instrument for Preventing Student Misconceptions in Basic Chemistry Lectures</i> )	Copyright Registration Number:C00201702815	2017
	Instrumen untuk Mengukur Kemandirian Belajar Mahasiswa ( <i>Instrument for Measuring Student Learning Independence</i> )	Copyright Registration Number:C00201702803	2017
	Buku Kimia Dasar I ( <i>Basic Chemistry I Book</i> )	Copyright Registration Number: EC00201947484	2019

	Student Activity Sheets (SAS) Oriented hemo-Entrepreneurship On Colloid Matter To Train Creative Thinking Skills (Bilingual Version)(Book)	Copyright Registration Number: EC00201941485	2019
	Buku Suplemen Termokimia Berbasis <i>Problem Solving (Thermochemistry Supplement Book Based on Problem Solving)</i>	Copyright Registration Number: EC00202018380	2020
<b>Important publications over the last 5years</b>	Title		Year
	F. F. Aprilia and Utiya Azizah. 2018. Implementation Problem-Based Learning Model to Enhance SelfRegulated Learning on Material of Colloidal System. <i>Advances in Engineering Research</i> , Atlantis Press, Vol 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.		2018
	S. Allamin, S. Sutoyo and Utiya Azizah. 2018. The Validity of Teaching Materials Used Guided Inquiry Model Integrated with STEM to Train Student's Critical Thinking Skills on Thermochemistry Topic. <i>Advances in Engineering Research</i> , Atlantis Press, Volume 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.		2018
	Utiya Azizah and H. Nasrudin. 2018. Development of Chemistry Instructional Materials based on Cooperative Group Investigation (CGI) to Empower Thinking Skills. <i>IOP Conf. Series: Journal of Physics: Conf. Series</i> 1108 (2018) 012122 doi:10.1088/1742-6596/1108/1/012122.		2018
	M. Damayanti and Utiya Azizah. 2018. Training The Problem Solving Skill by Implementation Guided Discovery Learning Model at The Reaction Rate. <i>Unesa Journal of Chemical Education</i> , Vol 7 No 1 pp: 33-38		2018
	Mitarlis Mitarlis, Utiya Azizah and B. Yonata.2018. Pemanfaatan Indikator Alam dalam Mewujudkan Pembelajaran Kimia Berwawasan Green Chemistry (Utilization of Natural Indicators in Embodying Chemistry Learning with Green Chemistry Insight). <i>Jurnal Penelitian Pendidikan IPA (JPPIPA) Prodi Pendidikan Sains FMIPA Unesa</i> , Vol.3. No.1.		2018
Mitarlis Mitarlis, Utiya Azizah and B. Yonata. 2018. Designing of Basic Chemistry Course to Support Learning Curriculum with Green Chemistry Insight. <i>Advances in Intelligent System</i>		2018	

	<p>Research (AISR), volume 157. ISSN: 1951-6851, ISBN: 978-94-6251-601-3</p> <p>Mitarlis Mitarlis, Utiya Azizah and B. Yonata. 2018. Alternative Lesson Design of Basic Chemistry Learning to Integrate Green Chemistry Principles as View of Scientific Character Values. Advances in Engineering Research, Atlantis Press, Volume 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.</p> <p>H. Nasrudin and Utiya Azizah. 2018. Integrasi Strategi Conceptual Change dalam Model Pembelajaran Inovatif untuk Meningkatkan Kompetensi Profesional Guru Kimia Kabupaten Blitar (Integration of Conceptual Change Strategies in Innovative Learning Models to Improve the Professional Competence of Chemistry Teachers in Blitar District). Jurnal Abdi, Vol 3 No 2 pp:57-62</p> <p>H. Nasrudin and Utiya Azizah. 2018. Shifting Patterns of Pre-Service Teachers' Conceptions on Material of Colligative Properties of Solutions. Advances in Engineering Research, Atlantis Press, volume 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.</p> <p>Erman Erman, Wasis Wasis, Endang Susantini, Utiya Azizah. 2018. Scientific Thinking Skills: Why Junior High School Science Teachers Cannot Use Discovery and Inquiry Models in Graderoom. Atlantis Highlights in Engineering (AHE), volume 1. ISSN: 2589-4943, ISBN: 978-94-6252-650-1 pp 201-204.</p> <p>H. Nasrudin, Utiya Azizah and Muchlis. 2018. The Validity Of Textbook Based On Reading, Questioning And Answering (RQA) For Leading Students In Assessment Course At Chemistry Department UNESA. Journal of Chemistry Education Research/JCER, Vol 2, No 2 pp. 45 – 48 ISSN: 2549-1644.</p> <p>D.Y. Hartini and Utiya Azizah. 2019. Development of Worksheet With Chemo-entrepreneurship Oriented On Colloid Matter To Train Creative Thinking Skill. JPPS (Jurnal Penelitian Pendidikan Sains) Volume 8. No. 2.</p> <p>Burhanuddin, Utiya Azizah and M. Ibrahim. 2019. Improving critical thinking skill of preservice chemistry teacher through writing assignment. IOP Conf. Series: Journal of Physics: Conference Series (JPCS), volume 1307, (2019) 012018. doi:10.1088/1742-6596/1307/1/012018.</p>	<p>2018</p> <p>2018</p> <p>2018</p> <p>2018</p> <p>2018</p> <p>2019</p> <p>2019</p>
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	<p>A. Hanum, Utiya Azizah and S.E. Cahyaningrum. 2019. Training Students' Critical Thinking Skills through Implementation of Problem Solving Models on Reaction Rate Materials. International Journal of Scientific and Research Publication (IJSRP), Volume 9, Issue 11, November 2019. pp. 369-373. ISSN 2250-3153.</p> <p>Utiya Azizah, H. Nasrudin and Mitarlis. 2019. Metacognitive Skills: A Solution in Chemistry Problem Solving. IOP onf. Series: Journal of Physics: Conference Series (JPCS), volume 1417, Number 1, (2019) 012084. doi:10.1088/1742-6596/1417/1/012084.</p> <p>L. Ramadhani, Sukarmin, and Utiya Azizah. 2019. The Development of Demische Software to Detect and Reduce Misconception in Chemical Equilibrium through Conceptual Change Text Strategy. Atlantis Highlights in Chemistry and Pharmaceutical Science. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-</p> <p>Utiya Azizah, H. Nasrudin and Rusmini. 2019. Problem-Solving based Teaching Materials: an Important Role in Enhancing Undergraduate Students Thinking Skills. Atlantis Highlights in Chemistry and Pharmaceutical Science. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-2.</p> <p>S. Agustyaningsih, Sukarmin and Utiya Azizah. 2019. The Development Of Anti Miskim Software To Reduce Misconception Of Students On Buffer Solution Matter Through Conceptual Change Text Strategy. Atlantis Highlights in Chemistry and Pharmaceutical Science. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-2.</p> <p>D. E. Purmawanti, Utiya Azizah and S. E. Cahyaningrum. 2019. The Effectiveness of Guided Discovery Based Learning Materials to Increase Students' Learning Outcomes. Atlantis Highlights in Chemistry and Pharmaceutical Science. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-2.</p> <p>Utiya Azizah, Harun Nasrudin and Mitarlis. 2019. The Validity of Problem-Solving Based Teaching Materials for the Exploration of Conceptual Change and Metacognitive Skills. Proceedings of the 7<sup>th</sup> Mathematics, Science, and Computer Science International Seminar, MSCEIS 2019, 12 October 2019, Bandung, West Java, Indonesia. (European Union Digital Library/EUDL)</p> <p>Bertha Yonata, Dian Novita, Utiya Azizah, and Mitarlis. 2019.</p>	<p>2019</p> <p>2019</p> <p>2019</p> <p>2019</p> <p>2019</p> <p>2019</p> <p>2019</p>
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	<p>First Year Conception of Students in the Concept of Atom and Periodic System Elements. Proceedings of the 7th Mathematics, Science, and Computer Science International Seminar, MSCEIS 2019, 12 October 2019, Bandung, West Java, Indonesia. (European Union Digital Library/EUDL)</p>	2019
	<p>Suyatno, Utiya Azizah, Sophia Allamin. 2019. Effectiveness of the Guided Inquiry Model Integrated with STEM to Improve the Student Critical Thinking Skills in Chemistry Learning. International Journal of Innovative Science and Research Technology (IJISRT), Volume 4, Issue 12, December 2019. pp. 349-353. ISSN No:-2456-2165.</p>	2019
	<p>A Pascalia Lalian, L Yuanita, U Azizah. 2020. Validity, Effectiveness, and Practicality of Learning Media Using Advance Organizer to Increase Critical Thinking on Colloid Material of Senior High School. International Journal of Scientific and Research Publication (IJSRP), Volume 10, Issue 1, January 2020. pp. 87-100. ISSN 2250-3153.</p>	2020
	<p>Harun Nasrudin and Utiya Azizah. 2020. Overcoming Misconception In Energetic Topics Through Implementation Of Metacognitive Skills-Based Instructional Materials: A Case Study in Student of Chemistry Department, Universitas Negeri Surabaya Jurnal Pendidikan IPA Indonesia (Indonesian Journal of Science Education), Q2, SJR 2019: 0.45. Vol 9. No.1, March 2020.</p>	2020
	<p>Pradnya Parameswari and Utiya Azizah. 2020. Model Pembelajaran Remap NHT untuk Meningkatkan Keterampilan Berpikir Kritis Peserta Didik pada Materi Keseimbangan Kimia (NHT Remap Learning Model to Improve Students' Critical Thinking Skills in Chemical Equilibrium Material). Jurnal Zarah, Vol. 8 No.1 Mei 2020. pp. 30-37. p-ISSN 2354-7162, e-ISSN 2549-2217</p>	2020
	<p>Sri Wahyuningsih, Raharjo, and Utiya Azizah. 2020. Development of Teaching Books Based on Science Pop Up To Train Critical Thinking Skills of Elementary Students. International Journal for Educational and Vocational Studies. Vol. 2, No. 5. May 2020. e-ISSN: 2684-6950.</p>	2020
	<p>Ragil Triyani and Utiya Azizah. 2020. Training Of Science Literacy Skills In Chemical Equilibrium through Implementation Guided Inquiry Learning. Jurnal Tadris Kimiya (JTK). Volume 5, Nomor 1. pp 35-47. Juni 2020. ISSN 2527-9637 (online) ISSN 2527-6816 (print).</p>	2019
	<p>Yeny Erawati, Raharjo, and Utiya Azizah. 2020. Pengembangan</p>	

	<p>Media Ensiklopedia Bentuk dan Fungsi Tumbuhan Melatihkan Berpikir Kritis Siswa Sekolah Dasar (Development of Encyclopedia Media of Plant Forms and Functions to Train Elementary School Students' Critical Thinking). <i>Jurnal Bidang Pendidikan Dasar (JBPD)</i>. Vol.4. No. 2. pp. 89-99. Juni 2020. ISSN (print): 2549-0125. ISSN (online): 2549-0117.</p>	2020
	<p>Melysa Pramitha Rosa &amp; Utiya Azizah. 2020. Training the Critical Thinking Skills of Students Using The Problem Solving Learning Model In Chemical Equilibrium. <i>Journal of Chemistry Education Research (JCER)</i>. Vol. 4. No. 1. pp 33-42. Juni 2020. ISSN: 2549-1644.</p>	2020
	<p>Yeny Erawati, Raharjo, and Utiya Azizah. 2020. Developing Encyclopedia Media on Form and Function of Plant to Train Elementary Students' Critical Thinking Skill. <i>International Journal for Educational and Vocational Studies (IJEVS)</i>. Vol.2 No.6 June 2020. pp 401-406. E-ISSN: 2684 – 6950.</p>	2020
	<p>Fandu Zakaria, Suryanti, and Utiya Azizah. 2020. Pengembangan Multimedia Interaktif Berbasis Pendekatan SETS Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa Sekolah Dasar (Development of Interactive Multimedia Based on the SETS</p>	2020
	<p>Approach to Improve Critical Thinking Ability of Elementary School Students). <i>Jurnal Basicedu: Research and Learning in Elementary Education</i>, volume 4, nomor 3, pp. 681-689, July 2020. P-ISSN: 2580-3735; e-ISSN: 2580-1147.</p>	2020
	<p>Adilla Siswinasti Yudawindantika and Utiya Azizah. 2020. Peningkatan Keterampilan Interpretasi dan Infereni dengan Menerapkan Model Pembelajaran Kooperatif Group Investigation pada Materi Asam Basa (Improving Interpretation and Inference Skills by Applying the Group Investigation Cooperative Learning Model on Acid-Base Matter). <i>Jurnal Pendidikan dan Pembelajaran Kimia (JPPK)</i>. Volume 9, Nomor 2. pp 33-46. Agustus. 2020. e-ISSN: 2714-9595  p-ISSN 2302-1772.</p>	2020
	<p>Priantiningtias, F. N., &amp; Azizah, U. (2021). Analisis Korelasi Keterampilan Metakognitif dengan Hasil Belajar Kimia Siswa. <i>Jurnal Kependidikan: Jurnal Hasil Penelitian Dan Kajian Kepustakaan Di Bidang Pendidikan, Pengajaran Dan Pembelajaran</i>, 7(3), 747. <a href="https://doi.org/10.33394/jk.v7i3.3348">https://doi.org/10.33394/jk.v7i3.3348</a></p>	2021
	<p>Azizah, U., &amp; Nasrudin, H. (2021). Metacognitive Skills and Self-Regulated Learning in Prospective Chemistry Teachers: Role of Metacognitive Skill-Based Teaching Materials. <i>Journal of</i></p>	



	<p>Turkish Science Education, 18(3), 461–476. Retrieved from <a href="https://eric.ed.gov/?id=EJ1325567">https://eric.ed.gov/?id=EJ1325567</a></p> <p>Andini, L., &amp; Azizah, U. (2021). Analisis Korelasi Keterampilan Metakognitif dan Minat Belajar terhadap Hasil Belajar Siswa pada Materi Keseimbangan Kimia. <i>Jurnal Kependidikan: Jurnal Hasil Penelitian Dan Kajian Kepustakaan Di Bidang Pendidikan, Pengajaran Dan Pembelajaran</i>, 7(2), 472. <a href="https://doi.org/10.33394/jk.v7i2.3327">https://doi.org/10.33394/jk.v7i2.3327</a></p> <p>Febriani, H., &amp; Azizah, U. (2021). Metode Blended Learning Berbantuan Google Classroom Meningkatkan Kemandirian Belajar Siswa. <i>Jurnal Pendidikan Kimia Indonesia</i>, 5(1), 9–15. <a href="https://doi.org/10.23887/jpk.v5i1.31343">https://doi.org/10.23887/jpk.v5i1.31343</a></p> <p>Shofa, A.-N. A., &amp; Azizah, U. (2022). Penerapan Model Pembelajaran Kooperatif Tipe NHT Berbasis Blended Learning Untuk Meningkatkan Motivasi dan Hasil Belajar Peserta Didik Pada Materi Laju Reaksi. <i>PENDIPA Journal of Science Education</i>, 6(2), 522–530. <a href="https://doi.org/10.33369/pendipa.6.2.522-530">https://doi.org/10.33369/pendipa.6.2.522-530</a></p> <p>Azizah, U., &amp; Nasrudin, H. . (2022). Problem Solving Thinking Skills: Effectiveness of Problem-Solving Model in Teaching Chemistry College Students . <i>Jurnal Penelitian Pendidikan IPA</i>, 8(3), 1462–1469. <a href="https://doi.org/10.29303/jppipa.v8i3.1700">https://doi.org/10.29303/jppipa.v8i3.1700</a></p> <p>Mitarlis, M., Azizah, U., &amp; Yonata, B. (2022). Adaptation of Basic Chemistry Learning with Green Chemistry Oriented. <i>J-PEK (Jurnal Pembelajaran Kimia)</i>, 7(2), 80–89. <a href="https://doi.org/10.17977/um026v7i22022p080">https://doi.org/10.17977/um026v7i22022p080</a></p> <p>Kuki, A. D., Agustini, R., &amp; Azizah, U. (2023). Analysis of Effectiveness Argument-Driven Inquiry to Improve Students' Argumentation Skill and Conceptual Understanding. <i>IJORER : International Journal of Recent Educational Research</i>, 4(3), 329-342. <a href="https://doi.org/10.46245/ijorer.v4i3.316">https://doi.org/10.46245/ijorer.v4i3.316</a></p> <p>Rohmah, D. M., Yuliani, &amp; Azizah, U. (2023). Module Based on Metacognitive Strategies to Reduce Misconceptions on Salt Hydrolysis Material. <i>Studies in Philosophy of Science and Education</i>, 4(3). Retrieved from <a href="https://scie-journal.com/index.php/SiPoSE/article/view/298">https://scie-journal.com/index.php/SiPoSE/article/view/298</a></p> <p>Darmawati, A. Z., Raharjo, &amp; Azizah, U. (2023). Development of Learning Tools With Flipped Classroom Models to Train Critical Thinking Skills for 4th Grade Elementary School Students. <i>Studies in Philosophy of Science and Education</i>, 4(2), 56-65. <a href="https://doi.org/10.46627/sipose.v4i2.280">https://doi.org/10.46627/sipose.v4i2.280</a></p>	<p>2021</p> <p>2021</p> <p>2021</p> <p>2021</p> <p>2022</p> <p>2022</p> <p>2022</p> <p>2023</p> <p>2023</p>
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<b>Activities in specialist bodies</b>	<b>Organization Role</b>	<b>Position</b>	<b>Period</b>
	Himpunan Kimia Indonesia (HKI)	Member	2010 - Now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2017 - Now