



Dr. Utiya Azizah, M.Pd.

Position	Chemistry Education Lecturer			
	Lecturer on Chemistry Education			
Academic Career	Degree	University		Year
	Bachelor Degree (Chemistry Education)	IKIP Surabaya – Indonesia		1990
	Master Degree (Natural Sciences Education)	IKIP Surabaya – Indonesia		1998
	Doctoral Degree (Natural Sciences Education)	Universitas Negeri Surabaya – Indonesia		2016
Employment	Position	Employer		Period
	Associate Professor	Universitas Negeri Surabaya – Indonesia		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	Penelusuran Lulusan Jurusan Kimia FMIPA Unesa melalui Tracer Study sebagai Umpan Balik Penyempurnaan Kurikulum <i>(Graduates Tracking of Chemistry Department Faculty of Mathematics and Natural Sciences Universitas</i>	2016	BOPTN	Rp. 10.000.000,00

	<i>Negeri Surabaya through Tracer Study as a Curriculum Improvement Feedback)</i>			
	Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif untuk Membangun Kemandirian Belajar dan Memprevensi Miskonsepsi Mahasiswa <i>(Development of Basic Chemistry Learning Tools based on Metacognitive for Building Learning Independence and Preventing Student Misconceptions)</i>	2016	Penelitian Hibah Bersaing	Rp. 50.000.000,00
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan Green Chemistry Dalam Rangka Mewujudkan Green Education <i>(Development of Learning Tools for Basic Chemistry Course with Green Chemistry Insights in order to Embodying Green Education)</i>	2017	Penelitian Sosial, Humaniora, dan Pendidikan	Rp. 82.981.000,00
	Pengembangan Perangkat Perkuliahan Kimia Dasar Berbasis Metakognitif untuk Membangun Kemandirian Belajar dan Memprevensi Miskonsepsi Mahasiswa <i>(Development of Basic Chemistry</i>	2017	Penelitian Produk Terapan Lanjutan	Rp. 55.321.000,00

	<i>Learning Tools based on Metacognitive for Building Learning Independence and Preventing Student Misconceptions)</i>			
	Pemberdayaan Kemampuan Berpikir Mahasiswa Unggulan Melalui Pengembangan Buku Ajar Asesmen Berbasis Pembelajaran Reading, Questioning, and Answering(RQA) <i>(Empowerment of Excel Students' Thinking Ability Through the Development of Assessment Textbooks Based on Reading, Questioning, and Answering (RQA) Learning)</i>	2018	Penelitian Dana PNBP FMIPA Unesa	Rp. 10.000.000,00
	Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning dalam Upaya Meningkatkan Keterampilan Berpikir Mahasiswa <i>(Development of Basic Chemistry I Teaching Materials Based on Problem Solving by Blended Learning as Effort to Improve Students' Thinking Skills)</i>	2018	Penelitian Dana PNBP FMIPA Unesa	Rp. 10.000.000,00
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan Green Chemistry Dalam Rangka	2018	Penelitian Strategis Nasional Institusi	Rp. 120.000.000,00

	Mewujudkan Green Education <i>(Development of Learning Tools for Basic Chemistry Course with Green Chemistry Insights in order to Embodying Green Education)</i>			
	Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem-Solving pada Mahasiswa Kimia <i>(Exploration of Conceptual Changes and Metacognitive Skills in Problem-Solving-Based Learning Chemistry Students)</i>	2019	Penelitian Dasar, Dana PNBP Melalui LPPM	Rp. 40.000.000,00
	Upaya Peningkatan Keterampilan Berpikir Mahasiswa Melalui Implementasi Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning <i>(Efforts to Improve Students' Thinking Skills Through the Implementation of Basic Chemistry I Material Based on Problem Solving Based on Blended Learning)</i>	2019	PNBP Melalui FMIPA	Rp. 10.000.000,00
	Profil Konsepsi Mahasiswa Jurusan Kimia pada Materi Kimia <i>(Chemistry Department Students Conception Profile on Chemistry Topics)</i>	2019	PNBP Melalui FMIPA	Rp. 10.000.000,00
Industry				

Collaborations Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	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: 081931	2016
	Buku Larutan (Solution Book)	Copyright Registration Number: 082939	2016
	Buku Asesmen (<i>Assessment Book</i>)	Copyright Registration Number: 082604	2016
	Instrumen Tes Pelacakan Konsepsi untuk Mencegah Miskonsepsi Mahasiswa dalam Perkuliahan Kimia Dasar (<i>Conception Tracking Test Instrument for Preventing Student Misconceptions in Basic Chemistry Lectures</i>)	Copyright Registration Number: 088001	2017
Instrumen untuk Mengukur Kemandirian Belajar Mahasiswa (<i>Instrument for Measuring Student Learning Independence</i>)	Copyright Registration Number: 088001	2017	
Important Publication Over The Last 5 Years	1. Nurika I. Laili and Utiya Azizah . 2015. Implementasi Model Pembelajaran Berbasis Masalah (PBM) untuk Melatihkan Keterampilan Berpikir Kritis Dan Self Efficacy pada Materi Pokok Faktor-Faktor yang Mempengaruhi Laju Reaksi Kelas XI SMA Negeri 4 Sidoarjo (Implementation of Problem Based Learning (PBL) Model to Practice Critical Thinking Skills and Self Efficacy on the Factors that Affecting the		

Reaction Rate Topic of Sidoarjo 4 Senior High School Grade XI). *Unesa Journal of Chemical Education*, Vol. 4 No. 1.

2. E. Nafilah and **Utiya Azizah**. 2015. Keterampilan Metakognitif Siswa melalui Model Pembelajaran Kooperatif Tipe Numbered Heads Together (NHT) pada Materi Keseimbangan Kimia di Kelas XI SMA negeri 1 Sumenep (Students' Metacognitive Skills through the Numbered Heads Together (NHT) Cooperative Learning Model on Chemical Equilibrium Topic in Sumenep 1 Senior High School State Grade XI). *Unesa Journal of Chemical Education* Vol. 4, No. 2, pp. 204-211, May 2015. ISSN: 2252-9454.
3. R. Istiani and **Utiya Azizah**. 2015. Penerapan Model Pembelajaran Berdasarkan Masalah untuk Melatih Keterampilan Berpikir Kritis Siswa pada Materi pokok Larutan Elektrolit dan non Elektrolit Kelas X SMAN 1 Pasuruan (Implementation of Problem Based Learning Models to Train Students' Critical Thinking Skills on Electrolyte and Non-Electrolyte Solutions Topic at Pasuruan 1 Senior High School State Grade X). *Unesa Journal of Chemical Education* Vol. 4, No. 2, pp. 256-261, May 2015. ISSN: 2252-9454.
4. W. Miraningsih and **Utiya Azizah**. 2015. Penerapan Model Pembelajaran Kooperatif Tipe Group Investigation untuk Melatih Keterampilan Berpikir Kritis Siswa pada Materi Pokok Asam Basa Kelas XI MIA SMAN 2 Magetan (Implementation of Group Investigation Cooperative Learning Model to Practice Students' Critical Thinking Skills on Acid Base Topic at Magetan 2 Senior High School State Grade XI MIA). *Unesa Journal of Chemical Education* Vol. 4, No. 2, pp. 281-287, May 2015. ISSN: 2252-9454.
5. E. M. Nuzula and **Utiya Azizah**. 2015. Penerapan Model Pembelajaran Kooperatif Tipe Numbered Heads Together untuk Melatih Keterampilan Berpikir Kritis Siswa pada Materi pokok Larutan Elektrolit dan non Elektrolit Kelas X MIA SMAN Kesamben Jombang (Implementation of Numbered Heads Together Type Cooperative Learning Model to Train Students' Critical Thinking Skills on the Electrolyte and Non-Electrolyte Solutions Topic at Kesamben Jombang Senior High School State Grade X MIA). *Unesa Journal of Chemical Education* Vol. 4, No. 2, pp. 308-314, May 2015. ISSN: 2252-9454.
6. Muchlis Muchlis, Leny Yuanita, and **Utiya Azizah**. 2016. Pelatihan Penilaian Autentik di MGMP Kimia SMA Kabupaten Magetan (Authentic Assessment Training at Magetan Senior High School Chemistry Teacher Organization). *Jurnal Abdi*, Vol 1 No 2 pp: 91-101.
7. E. R. Adita and **Utiya Azizah**. 2016. Keterampilan Metakognitif Siswa Melalui Model Pembelajaran Inkuiri Terbimbing Pada Materi Pokok Laju Reaksi Di SMAN 1 Manyar Gresik Kelas XI (Metacognitive Skills of Students Through Guided Inquiry Learning Models on Reaction Rate Topic at Manyar 1 Senior

High School Grade XI, Gresik). *Unesa Journal of Chemical Education Vol. 5, No. 1, pp. 143-151, ISSN: 2252-9454.*

8. P. M. Ananda and **Utiya Azizah**. 2016. Development Student Worksheet Oriented Problem Based Learning to Train Creative Thinking Skills in Chemical Equilibrium Matter. *Unesa Journal of Chemical Education Vol. 5, No. 2, pp. 392-400, ISSN: 2252-9454.*
9. A. Furqoniyah and **Utiya Azizah**. 2016. Pengembangan LKS melalui Strategi Metakognitif untuk Melatihkan Keterampilan Berpikir Kritis pada Materi Termokimia (Development of Worksheet through Metacognitive Strategies to Practice Critical Thinking Skills on Thermochemistry Topic). *Unesa Journal of Chemical Education Vol. 5, No. 2, pp. 319-327, ISSN: 2252-9454.*
10. D.M. Yostanti and **Utiya Azizah**. 2016. Penerapan Model Pembelajaran Kooperatif Tipe Numbered Head Together (NHT) Untuk Melatihkan Keterampilan Metakognitif Materi Laju Reaksi Kelas XI Di SMAN 3 Tuban (Implementation of Numbered Head Together (NHT) Type Cooperative Learning Model to Practice the Metacognitive Skills of Grade XI Reaction Rate topic at Tuban 3 Senior High School). *Unesa Journal of Chemical Education Vol. 5, No. 2, pp. 278-285, ISSN: 2252-9454.*
11. D. A. T. Soffa and **Utiya Azizah**. 2016. Pengembangan LKS Untuk Melatihkan Keterampilan Proses Sains Siswa Dengan Model Learning Cycle 5E Pada Materi Asam Basa (Development of Student Worksheet To Train Students' Science Process Skills With 5E Learning Cycle Model On Acid Base Topic). *Unesa Journal of Chemical Education Vol. 5, No. 2, pp. 328-335, ISSN: 2252-9454.*
12. T. Anitasari and **Utiya Azizah**. 2016. Penerapan Model Pembelajaran Kooperatif Tipe Think Pair Share Untuk Melatih Keterampilan Metakognitif Siswa Pada Materi Reaksi Reduksi Dan Oksidasi Di SMAN Ploso (Implementation of Think Pair Share Type Cooperative Learning Model to Train Students' Metacognitive Skills on Reduction and Oxidation Reaction Topic in Ploso Senior High School). *Unesa Journal of Chemical Education Vol. 5, No. 2, pp. 381-391, ISSN: 2252-9454.*
13. E. Rosalinda and **Utiya Azizah**. 2017. Penerapan Model Pembelajaran Kooperatif Tipe Numbered Head Together (NHT) untuk Meningkatkan Keterampilan Metakognitif Siswa pada Materi Asam Basa di Kelas XI (Implementation of Numbered Head Together (NHT) Type Cooperative Learning Model to Improve Students' Metacognitive Skills on Acid Base Topic in Grade XI). *Unesa Journal of Chemical Education, Vol 6 No 2 pp: 440-445.*
14. A. Kartikawati and **Utiya Azizah**. 2017. Keterampilan Proses Sains Peserta Didik melalui Penerapan Model Pembelajaran Learning Cycle 7-E pada Materi Laju Reaksi Kelas XI di SMA Negeri 1 Krembung (Students' Science Process Skills through the Implementation of Learning Cycle Learning Model 7-E on

- Reaction Rate Topic at Krembung 1 Senior High School Grade XI). *Unesa Journal of Chemical Education Vol. 6, No. 2, pp. 229-237, ISSN: 2252-9454.*
15. R. N. Laila and **Utiya Azizah**. 2017. Model Pembelajaran Problem Solving untuk Melatihkan Keterampilan Metakognitif Siswa pada Materi Asam Basa (Problem Solving Learning Model for Practicing Students' Metacognitive Skills on Acid-Base Topic). *Unesa Journal of Chemical Education Vol. 6, No. 2, pp. 384-389, ISSN: 2252-9454.*
 16. D.D. Rosa and **Utiya Azizah**. 2017. Keterampilan Generik Sains Siswa melalui Penerapan Model Pembelajaran Learning Cycle 7E pada Materi Laju reaksi di SMA Negeri 1 Taman (Students' Generic Science Skills through the Implementation of Learning Cycle 7E Learning Model on Reaction rate Topic at Taman 1 Senior High School). *Unesa Journal of Chemical Education Vol. 6, No. 2, pp. 162-167, ISSN: 2252-9454.*
 17. W. Rohaniyah and **Utiya Azizah**. 2017. Penerapan Model Learning Cycle 7E untuk Meningkatkan Keterampilan Proses Sains pada Materi Laju Reaksi (Implementation of the 7E Learning Cycle Model to Improve Science Process Skills on Reaction Rate Topic). *Unesa Journal of Chemical Education Vol. 6, No. 2, pp. 174-178, ISSN: 2252-9454.*
 18. **Utiya Azizah**, Suyono Suyono and B. Yonata. 2017. Peningkatan Kompetensi Guru Kimia melalui Pelatihan Model-Model Pembelajaran Inovatif di Banyuwangi (Competence Enhancement of Chemistry Teachers through Innovative Learning Models Training in Banyuwangi). *Jurnal Abdi, Vol 2 No 2 pp: 91-95*
 19. **Utiya Azizah** and H. Nasrudin. 2017. Empowerment of Metacognitive Skills through Development of Instructional Materials on the Topic of Hydrolysis and Buffer Solutions. *IOP Conf. Series: Journal of Physics: Conference Series (JPCS), volume 953, doi:10.1088/1742-6596/953/1/012199.*
 20. F. F. Aprilia and **Utiya Azizah**. 2018. Implementation Problem-Based Learning Model to Enhance Self-Regulated Learning on Material of Colloidal System. *Advances in Engineering Research, Atlantis Press, Vol 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.*
 21. 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. *Advances in Engineering Research, Atlantis Press, Volume 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.*
 22. **Utiya Azizah** and H. Nasrudin. 2018. Development of Chemistry Instructional Materials based on Cooperative Group Investigation (CGI) to Empower Thinking Skills. *IOP Conf. Series: Journal of Physics:*

Conf. Series 1108 (2018) 012122 doi:10.1088/1742-6596/1108/1/012122.

23. M. Damayanti and **Utiya Azizah**. 2018. Training The Problem Solving Skill by Implementation Guided Discovery Learning Model at The Reaction Rate. *Unesa Journal of Chemical Education, Vol 7 No 1 pp: 33-38*
24. 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). *Jurnal Penelitian Pendidikan IPA (JPPIPA) Prodi Pendidikan Sains FMIPA Unesa, Vol.3. No.1.*
25. Mitarlis Mitarlis, **Utiya Azizah** and B. Yonata. 2018. Designing of Basic Chemistry Course to Support Learning Curriculum with Green Chemistry Insight. *Advances in Intelligent System Research (AISR), volume 157. ISSN: 1951-6851, ISBN: 978-94-6251-601-3*
26. 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.*
27. 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*
28. 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.*
29. 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.*
30. 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.*
31. 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.*
32. 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.
33. A. Hanum, **Utija 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.
34. **Utija 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.
35. L. Ramadhani, Sukarmin, and **Utija 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: 978-94-6252-877-2.*
36. **Utija 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.*
37. S. Agustyaningsih, Sukarmin and **Utija 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.*
38. D. E. Purmawanti, **Utija 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.*

Activities in Special Institution	Organization Role	Position	Period
	Himpunan Kimia Indonesia (HKI)	Member	2010 - Now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2017 - Now