



Dr. Mitarlis, S.Pd., M.Si.

Position	Organic Chemistry Lecturer			
	Associate Professor on Organic Chemistry and Chemistry Education			
Academic Career	Degree	University		Year
	Bachelor Degree at Department of Chemistry	IKIP Surabaya - Indonesia		1993
	Master Degree in S Science at Pharmacy Faculty	Universitas Airlangga (Unair) - Indonesia		2000
	Doctoral Degree at Chemistry Education	Universitas Negeri Malang - Indonesia		2019
Employment	Position	Employer		Period
	Associate Professor on Organic Chemistry	Universitas Negeri Surabaya - Indonesia		1994 - now
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	Analisis Nilai Karakter Sains berwawasan <i>Green Chemistry</i> Terintegrasi pada Mata Kuliah Kimia Dasar dalam Rangka mewujudkan <i>Green Education</i>	2015	Penelitian Fundamental DP2M	65
	Analisis Karakter Sains Berwawasan <i>Green Chemistry</i> Terintegrasi pada Mata	2016	Penelitian Fundamental (DIKTI)	60

	Kuliah Kimia Dasar dalam rangka Mewujudkan Green Education (Ketua)			
	Implementasi perkuliahan blended learning pada mata kuliah pembelajaran inovatif di jurusan kimia FMIPA Unesa (Anggota)	2016	BOPTN	10
	Mempelajari Hubungan Struktur-Aktivitas Imunostimulan Senyawa Metabolit Sekunder dari Tumbuhan Paku Perak (<i>Pityrogramma calomelanos</i>) (Anggota)	2017	Penelitian Fundamental	51
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan <i>Green Chemistry</i> Dalam Rangka Mewujudkan Green Education (Ketua)	2017	Penelitian Sosial, Humaniora, dan Pendidikan	82,981
	Mempelajari Hubungan Struktur-Aktivitas Imunostimulan Senyawa Metabolit Sekunder dari Tumbuhan Paku Perak (<i>Pityrogramma calomelanos</i>) (Anggota)	2018	DRPM/Hibah Penelitian Dasar Unggulan Perguruan Tinggi	112.5
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan <i>Green Chemistry</i> Dalam Rangka Mewujudkan Green Education (Ketua)	2018	Penelitian Strategis Nasional Institusi	120
	Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secara Blended Learning dalam Upaya Meningkatkan Keterampilan Berpikir Mahasiswa (Anggota)	2018	Penelitian Dana PNBPFMIPA Unesa	10

	Improving Learning Process Through Transcript Based Lesson Analysis (TBLA) In Science Lesson (Ketua)	2019	BOPTN	10
	Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem solving pada Mahasiswa Kimia (Anggota)	2019	BOPTN	40
	<i>Transcript Based Lesson Analysis (TBLA) in Mathematic And Science Lesson By Online as An Alternative Learning Improvement at Covid19 Pandemic Era</i>	2020	BOPTN	12
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Pelatihan Penyusunan Proposal Penelitian Tindakan Kelas bagi Guru MGMP Kimia di Kabupaten Magetan(Anggota)	2015	BOPTN	7,5
	Pelatihan Pembuatan Sabun Cair di Muncar Banyuwangi sebagai Alternatif Wirausaha (Anggota)	2016	BOPTN	7,5
	Pelatihan Pengelolaan Laboratorium Pendidikan Kimia untuk Guru-Guru Anggota MGMP Kimia Kabupaten Blitar (Ketua)	2017	BOPTN	7,5
	Pelatihan Penyusunan Soal Berbasis Keterampilan Berpikir Tingkat Tinggi (HOTS) bagi Guru-guru Kimia di Kabupaten Kediri (Anggota)	2018	BOPTN	7,5
	Pelatihan Penyusunan Rancangan Pembelajaran Kimia Berorientasi <i>Higher Order Thinking Skills (Hots)</i> bagi Guru-	2019	BOPTN	7,5

	Guru Anggota MGMP Kimia Kabupaten Sumenep (Ketua)			
	Pelatihan Penyusunan Soal Kimia Berorientasi HOTS sebagai Alternatif Pemilihan Jenis Tes dalam Penyelenggaraan Tes <i>Online</i> di Era Pandemi Covid-19	2020	BOPTN	7,5
Industry Collaborations Over The Last 5 Years	-			
Patents and Proprietary Rights	Title	Patent ID		Year
	Metode Sintesis Asam- β -(2-Furil) Akrilat dari Bahan Dasar Furfural (granted)	IDP000043558 B		2016
	Logo <i>GREEN CHEMISTRY IN GREEN EDUCATION</i>	083811		2016
	Buku Organisasi dan Manajemen Laboratorium Pendidikan Kimia	081931		2016
	Maksimalisasi Pemanfaatan Biomassa sebagai Bahan Baku Kimia Furfural dan Biobriket (Proses)	P00201605122		2017
	Proses Pembuatan Indikator Kertas Kurkumin sebagai Media Pembelajaran Kimia Materi Asam Basa	PID201905434		2019
	Buku Pendidikan Karakter Sains Berwawasan <i>Green Chemistry</i>	000147657		2019
	Kimia Dasar I	000147655		2019

**Important
Publication Over
The Last 5 Years**

1. **Mitarlis**, Bertha Y., Rusly H. 2015. Analisis Nilai Karakter Sains Berwawasan *Green Chemistry* Pada Perkuliahan Kimia Dasar Dalam Rangka Mewujudkan *Green Education*. *Proceeding SNKPK vol.1, 2015*, ISBN: 978-602-14397-1-5 Seminar Nasional Kimia dan Pendidikan Kimia 2015. Jurusan Kimia FMIPA Universitas Negeri Semarang. <https://snkpk.site/prosiding-snkpk-2015/>
2. A. A., Laksmi, **Mitarlis**, T. Nurita. 2015. Penerapan *Card Sort Strategy* Pada Materi Suhu Dan Perubahannya Terhadap Hasil Belajar Siswa Di Kelas VII. *Jurnal Pensa*, Vol.3, No.3 (2015). <https://www.neliti.com/publications/251356/penerapan-model-pembelajaran-berdasarkan-masalah-pada-materi-hujan-asam-terhadap>
3. I.W.N., Aeni, E. Sudiby, **Mitarlis**. 2015. Penerapan *Problem Based Instruction* Untuk Meningkatkan Kemampuan *Self Regulation* Siswa Kelas Viii Smp Negeri 21 Surabaya Pada Materi Indera Pendengaran *Jurnal Pensa*, Vol.3, No.2 (2015). <https://www.neliti.com/publications/251263/penerapan-problem-based-instruction-untuk-meningkatkan-kemampuan-self-regulation>
4. M. L. S. Umar, **Mitarlis**, L. Rosdiana. 2015. Penerapan Model Pembelajaran Berdasarkan Masalah Pada Materi Hujan Asam Terhadap Keterampilan Berpikir Kritis Siswa SMP. *Jurnal Pensa*, Vol.3, No.2 (2015). <https://www.neliti.com/publications/251356/penerapan-model-pembelajaran-berdasarkan-masalah-pada-materi-hujan-asam-terhadap>
5. F. N. Silfana, **Mitarlis**, A.N.M. Fauziah, 2015. Implementasi Metode Pembelajaran *Role Playing* Untuk Meningkatkan Motivasi Dan Hasil Belajar Siswa Pada Materi Pemanasan Global Kelas VII SMP Negeri 1 Megaluh Kabupaten Jombang. *Jurnal Pensa*, Vol. 2, No. 2. (2015). <https://www.neliti.com/publications/251055/implementasi-metode-pembelajaran-role-playing-untuk-meningkatkan-motivasi-dan-ha>
6. S. Z. R. Muthoharo, E. Sudiby, **Mitarlis**. 2015. Hubungan Motivasi Belajar Terhadap Pemahaman Konsep Ipa Pada Siswa Kelas VIII SMP Negeri 21 Surabaya. *Jurnal Pensa*, Vol. 2, No. 2. (2015) <https://www.neliti.com/publications/251044/hubungan-motivasi-belajar-terhadap-pemahaman-konsep-ipa-pada-siswa-kelas-viii-sm>
7. **Mitarlis**, 2015. Pemahaman Scientific Approach Mahasiswa program Study Pendidikan kimia dan Analisisnya sebagai Alternatif dalam Active Learning. *Makalah disajikan dalam Seminar Nasional ALFA IV 2015*. Jurusan Pendidikan IPA FMIPA UNY, Yogyakarta, 9 Mei.
8. T. I. Prihantya, **Mitarlis**, A.N. Maulida, 2016. Kelayakan Perangkat Pembelajaran Berdasarkan Masalah Untuk Meningkatkan Kemampuan Literasi Sains Siswa SMP. *Jurnal Pensa*, Vol. 4, No. 3. (2016). <https://ejournal.unesa.ac.id/index.php/pensa/article/view/15333/13891>

9. S. F. Melliyani and Mitarlis. 2015. Development Of Bilingual Worksheet Based On Mind-Mapping In Chemical Equilibrium Topic. *Jurnal UJCEd*. Vol. 4, No. 2, pp. 362 – 370.
<https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/11967/11167>
10. D. Putri dan Mitarlis. 2015. Pengembangan Lembar Kerja Siswa Berbasis *Mind Mapping* Pada Materi Laju Reaksi Untuk Melatihkan Keterampilan Berfikir Kreatif Siswa Kelas XI SMA. *UJCEd*. Vol.4 No. 2. Pp. 340 – 348. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/11964/11164>
11. H. S. Trisnanto dan Mitarlis. 2015. Pengembangan Instrumen Penilaian Kinerja pada Praktikum Pembuatan Larutan di Kelas XI Program studi Analis Kesehatan di SMK Kesehatan Bakti Medika Indonesia Kediri. *UJCEd*. Vol. 4. No.3 September 2015 pp. 472 – 479.
<https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/13282/12192>
12. D.A. Setiawan and Mitarlis. 2015. Pengembanagan Lembar Kerja Siswa berorientasi Soft Skills pada materi pokok Larutan Elektrolit dn Non elektrolit kelas X di MAN Mojokerto. *UJCEd*. Vol. 4. No.3 September 2015 pp. 480 – 485. <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/13283/12193>
13. Taufiq and Mitarlis. 2015. Implementation of Bilingual Worksheet with *mind mapping* strategy by cooperative learning model on atomic structure and periodic table matter. *UJCEd*. Vol. 4. No.3 September 2015 pp. 495–507. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/13286/12195>
14. M. Khairudin dan Mitarlis. 2016. Penerapan Model Pembelajaran Langsung Dengan Strategi *Mind Mapping* Pada Materi Asam Basa Di Sman 1 Waru Sidoarjo *UJCEd*. Vol. 5. No.3. pp. 580–587.
<https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/17316/15749>
15. I. Hasanah dan Mitarlis. 2016. Penerapan Model Pembelajaran Kooperatif Tipe *Jigsaw* Dengan Strategi Metakognitif Materi Koloid Kelas Xi Semester Genap Di Sman 2 Bangkalan. *UJCEd*. Vol. 5. No.3. pp. 588–595. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/17317/15750>
16. A. D. P. Larasati dan Mitarlis, 2017. Penerapan Model Pembelajaran Inkuiri Terbimbing Berbasis Pendekatan Sainifik Untuk Meningkatkan Keterampilan Berpikir Kritis Pada Materi Laju Reaksi Bagi Siswa Kelas Xi SMAN 12 Surabaya. *UNESA Journal of Chemical Education*. Vol 6, No.1 pp. 35-42.
<http://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/viewFile/18696/17059>

17. N. Qomariyah dan **Mitarlis**, 2017. Penerapan Model Pembelajaran Kooperatif Tipe TPS dengan Strategi *Mind Mapping* Untuk Meningkatkan Keterampilan Berpikir Kreatif Siswa Pada Materi Laju Reaksi. *UNESA Journal of Chemistry Education*. Vol. 6, No.1 ,pp 51-58.
<https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/18697/17060>
18. **Mitarlis**, S. Ibnu, S. Rahayu and Sutrisno. 2017. Environmental Literacy with Green Chemistry Oriented in 21st Century Learning. *Proceeding of 2nd International Seminar on Chemical Education Published by AIP Conference Proceeding 1911, 020020*. <http://aip.scitation.org/doi/pdf/10.1063/1.5016013>
19. **Mitarlis**, U. Azizah and B. Yonata. 2017. Learning design to Integrate Scientific Character Values with Green Chemistry Insight in Basic Chemistry Course. *International Conference on Education Innovation (ICEI) October 2017 published by Atlantis Press*. <https://www.atlantis-press.com/proceedings/icei-17/25892933>
20. **Mitarlis**, U. Azizah and B. Yonata. 2017. Lembar Kegiatan Mahasiswa Praktikum Pada Mata Kuliah Kimia Dasar I Berwawasan Green Chemistry Dalam Upaya Mewujudkan Green Education (Practicum Student Activity Sheet in Basic Chemistry I Course with Green Chemistry Insight in an Effort to Embodying Green Education). *Prosiding Seminar Nasional Hasil Penelitian dan Pengabdian kepada Masyarakat, PPM Unesa, 4 Nopember 2017*.
21. Suyatno, Ismono, **Mitarlis**, N. Hidajati and A. P. Wardana. 2018. Secondary Metabolites Isolated from The Dichloromethane Extract of Silver Fern (*Pityrogramma calomelanos*). *RJCBCS Vol 9 No.1 pp 566-570*. [https://www.rjpbs.com/pdf/2018_9\(1\)/\[77\].pdf](https://www.rjpbs.com/pdf/2018_9(1)/[77].pdf)
22. A. I. F. Riyadhin dan **Mitarlis**, 2018. Pengembangan Lembar Kegiatan Siswa (Lks) Untuk Melatihkan Kemampuan Literasi Sains Siswa Pada Materi Redoks. *UNESA Journal of Chemical Education*. Vol 7, No 1 pp 8-13. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/22967/21050>
23. R. Kurniawan, Harun Nasrudin, and **Mitarlis**. 2018. PRACTICING THE STUDENT'S COMMUNICATION SKILLS THROUGH THE APPLICATION OF GUIDED INQUIRY ON THE REACTION RATE MATERIAL AT XI GRADE SMAN 1 CERME-GRESIK. *Unesa Journal of Chemical Education*. Vol. 7 No. 1, pp. 1-7.
<https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/22966/21049>
24. Sрни Hidayatin dan **Mitarlis**. 2018. Pengembangannlembar Keegiatannpeserta Didik (LKPD) Pada Materi Koloid Untuk Melatihkan Keterampilan Literasi Sains. *Unesa Journal of Chemical Education*. Vol.7 No. 1, pp. 76-80. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/22978/21061>

25. Zaimatul Ummah, and **Mitarlis**. 2018. Development Of Worksheet Based On Inquiri With Saintific Approach To Train Student Critical Thinking On Thermochemistry Material. *Unesa Journal of Chemical Education*. Vol.7, No.3, pp 224-229. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/25632/23499>
26. **Mitarlis**, U. Azizah and B. Yonata. 2018. Pemanfaatan Indikator Alam dalam Mewujudkan Pembelajaran Kimia Berwawasan Green Chemistry (Utilization of Natural Indicators to Embodying Green Chemistry-Based Chemistry Learning). *Jurnal Penelitian Pendidikan IPA (JPPIPA) Prodi Pendidikan Sains FMIPA Unesa*, Vol.3. No .1. <https://journal.unesa.ac.id/index.php/jppipa/article/view/3145/1980>
27. **Mitarlis**, U. Azizah and B. Yonata. 2018. Designing of Basic Chemistry Course to Support Learning Curriculum with Green Chemistry Insight. *Atlantis Press Vol. 157*. ISSN: 1951-6851, ISBN: 978-94-6251-601-3. <https://www.atlantis-press.com/proceedings/miseic-18/25905050>
28. **Mitarlis**, U. 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 Vol. 171* ISSN: 2352-5401, ISBN: 978-94-6252-591-7. <https://www.atlantis-press.com/proceedings/snk-18/25904373>
29. **Mitarlis** and N. Herdyastuti. 2018. Pelatihan Pengelolaan Laboratorium Pendidikan Kimia Bagi Guru-Guru MGMP Kimia Blitar (Chemical Education Laboratory Management Training for Chemistry Teachers Organization in Blitar). *Jurnal Abdi Vol. 4 No. 1*, pp: 45-50. <https://journal.unesa.ac.id/index.php/abdi/article/view/3763/2162>
30. R. Kurniawan and **Mitarlis**. 2018. Practicing The Student's Communication Skills Through The Application Of Guided Inquiry On The Reaction Rate Material At XI Grade SMAN 1 Cerme-Gresik. *Unesa Journal of Chemical Education Vol. 7 No. 1*, pp: 1-7. <https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/22966/21049>
31. U. Azizah, H. Nasrudin and **Mitarlis**. 2019. Metacognitive Skills: A Solution in Chemistry Problem Solving. *IOP Conf. Series: Journal of Physics: Conference Series (JPCS)*, volume 1417, Number 1, (2019) 012084. doi:10.1088/1742-6596/1417/1/012084. <https://iopscience.iop.org/article/10.1088/1742-6596/1417/1/012084/pdf>
32. Anadhofa Ainurrohmah dan ***Mitarlis**. 2019. Pengembangan Lembar Kerja Peserta Didik (Lkpd) Dengan Strategi *Mind Mapping* Untuk Meningkatkan Berpikir Kreatif Peserta Didik Pada Materi Koloid. *Unesa Journal of Chemical Education*. Vol. 8 , No. 1, pp. 67-74.

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34. Indah Puspa Pratiwi and ***Mitarlis**. 2019. Implementation Of Beach Ball Type Discussion Learning Model With Mind Mapping Strategy To Train Creative Thinking Skill In Class X On Chemical Bond Matter. *Unesa Journal of Chemical Education*. Vol.8, No.3, pp. 436-442. <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/30554/27846>
35. Dwi Susilowati, *Sukarmin, and **Mitarlis**. 2019. The Development Of Student Misconceptions Detection And Reduction Software In Reaction Rate Material With Conceptual Change Text Strategy. *UJCEd Vol 8 No 3*, pp. 369-379. <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/30542/27834>
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38. **Mitarlis**, U. Azizah and B. Yonata. 2019. Utilization of Colored Flowers as An Alternative Learning Media of Acid Base Indicator On Basic Chemistry Course With Green Chemistry Insight. *Atlantis Highlights in Chemistry and Pharmaceutical Science*. volume 1. ISSN: 2590-3195, ISBN: 978-94-6252-877-2. <https://www.atlantis-press.com/proceedings/snk-19/125929229>
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42. Suci Lailatul Fitriya dan *Mitarlis. 2020. Pengembangan Lembar Kerja Peserta Didik (Lkpd) Untuk Melatihkan Keterampilan Proses Sains Berwawasan Green Chemistry Pada Materi Asam Basa. *UNESA Journal of Chemical Education* Vol. 9, No. 1, pp. 280-289. <https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/36560/32448>
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Activities in Special Institution	Organization Role	Position	Period
