STAFF HANDBOOK

Name	**Dr. Mitarlis, M.Si.**		
Position	**Associate Professor on Organic Chemistry and Chemistry Education Degree**		
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**	
	Associate Professor on Organic Chemistry	Universitas Negeri Surabaya – Indonesia	
Research and Development Project Over the Last 5 Years	**Title**	**Funder**	**Year**
	Pembelajaran Praktikum Kimia Dasar Berwawasan Green Chemistry Berbasis Bahan Sekitar untuk Menunjang Kegiatan Praktikum di Era Pandemi Covid 19	PNBP	2021
	Transcript Based Lesson Analysis (TBLA) in Mathematic And Science Lesson By Online as An Alternative Learning Improvement at Covid19 Pandemic Era	BOPTN	2020
	Eksplorasi Perubahan Konseptual dan Keterampilan Metakognitif dalam Pembelajaran Berbasis Problem solving pada Mahasiswa Kimia	BOPTN	2019
	Improving Learning Process Through Transcript Based Lesson Analysis (TBLA) In Science Lesson	BOPTN	2019
	Pengembangan Bahan Ajar Kimia Dasar I Berbasis Problem Solving secata Blended Leorning dalam UpayaMeningkatkan Keterampilan Berpikir Mahasiswa	Penelitian Dana PNBP FMIPA Unesa	2018
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Berwawasan *Green Chemistry*	Penelitian Strategis Nasional Institusi	2018

	Dalam Rangka Mewujudkan Green Education		
	Mempelajari Hubungan Struktur-Aktivias Imunostimulan Senyawa Metabolit Sekunder dari Tumbuhan Paku Perak *(Pityrogramma calomelanos)*	DRPM/Hibah Penelitian Dasar Unggulan Perguruan Tinggi	2018
	Pengembangan Perangkat Pembelajaran Mata Kuliah Kimia Dasar Bewawasan *Green Chemistry* Dalam Rangka Mewujudkan Green Education	Penelitian Sosial, Humaniora, dan Pendidikan	2017
	Mempelajari Hubungan Struktur-Aktivias Imunostimulan Senyawa Metabolit Sekunder dari Tumbuhan Paku Perak *(Pityrogramma calomelanos)*	Penelitian Fundamental	2017
	Implementasi perkuliahan blended learning pada mata kuliah pembelajaran inovatif di jurusan kimia FMIPA Unesa	BOPTN	2016
	Analisis Karakter Sains Berwawasan Green Chemistry Terintegrasi pada Mata Kuliah Kimia Dasar dalam rangka Mewujudkan Green Education	Penelitian Fundamental (DIKTI)	2016
Community Service Over The Last 5 Years	**Title**	**Funder**	**Year**
	Pelatihan Pembuatan LKPD Eksperimen Sederhana dalam Upaya Edukasi Guru Kimia di Kabupaten Sampang pada Pembelajaran Blended Learning	PNBP	2021
	Pelatihan Penyusunan Soal Kimia Berorientasi HOTS sebagai Alternatif Pemilihan Jenis Tes dalam Penyelenggaraan Tes *Online* di Era Pandemi Covid-19	BOPTN	2020
	Pelatihan Penyusunan Rancangan Pembelajaran Kimia Berorientasi *Higher Order Thinking Skills (Hots)* bagi Guru-Guru Anggota MGMP Kimia Kabupaten Sumenep	BOPTN	2019
	Pelatihan Penyusunan Soal Berbasis Keterampilan Berpikir Tingkat Tinggi (HOTS) bagi Guru-guru Kimia di Kabupaten Kediri	BOPTN	2018
	Pelatihan Pengelolaan Laboratorium Pendidikan Kimia untuk Guru-Guru Anggota MGMP Kimia Kabupaten Blitar	BOPTN	2017
	Pelatihan Pembuatan Sabun Cair di Muncar Banyuwangi sebagai Alternatif Wirausaha	BOPTN	2016

Industry Collaborations Over the Last 5 Years	Title	Partner	Year

Patents and Property Right	Title	Patent ID	Year
	Proses Pembuatan Indikator Kertas Kurkumin sebagai Media Pembelajaran Kimia Materi Asam Basa	PID201905434	2019
	Buku Pendidikan Karakter Sains Berwawasan *Green Chemistry*	000147657	2019
	Kimia Dasar I	000147655	2019
	Maksimalisasi Pemanfaatan Biomassa sebagai Bahan Baku Kimia Furfural dan Biobriket (Proses)	P00201605122	2017
	Metode Sintesis Asam-β-(2-Furil) Akrilat dari Bahan Dasar Furfural (granted)	IDP000043558 B	2016
	Logo *GREEN CHEMISTRY IN GREEN EDUCATION*	083811	2016
	Buku Organisasi dan Manajemen Laboratorium Pendidikan Kimia	081931	2016

Important Publications Over the Last 5 Years

1. Habibah, U.N. and *__Mitarlis__. 2020. Pengembangan Lembar Kerja Peserta Didik (LKPD) Berorientasi *Mind Mapping U*ntuk Melatihkan Keterampilan Berpikir Kreatif Pada Materi Hidrokarbon. *Unesa Journal of Chemical Education Vol. 9, No. 1, pp. 9-15.* *https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/32075/29095*
2. Permatasari, A.H. and *__Mitarlis__. 2020. Development of Student Worksheet with Problem Based Learning Oriented to Train Student Creative Thinking Skill in Acid Base Matter by Using Natural Products. *Unesa Journal of Chemical Education.* Vol. 9, No. 1, *pp. 108-114.* https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/32065/29085
3. Sholihah, F.R., and *__Mitarlis__. 2020. Pengembangan Lembar Kegiatan Peserta Didik (LKPD) Berorientasi Literasi Sains pada Materi Hidrolisis Garam Kelas XI SMA. *UNESA Journal of Chemical Education Vol. 9, No. 1, pp. 21-25.* *https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/32070/29090*
4. Fitriya, S.L., and ***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
5. Hendrasari, D.S., and ***Mitarlis.** 2020. Pnerapan Model Pembelajaran Kooperatif Tipe TPS untuk Melatihkan Keterampilan Berkomunikasi Peserta Didik pada Materi Asam Basa.. *UNESA Journal of Chemical Education Vol. 9, No. 1, pp.*290-298. https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/36561/32449

6. Kurniawati, L., and ***Mitarlis**. 2020. Pengembangan Media CPB dengan Strategi Mind Mapping Materi Hidrokarbon untuk Meningkatkan Minat Baca Peserta Didik. *UNESA Journal of Chemical Education Vol. 9, No. 1, pp. 379-386. https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/36569/32457*
7. Ain Q., ***Mitarlis**. 2020. Pengembangan LKPD Berorientasi Inkuiri Terbimbing untuk Meningkatkan Literasi Sains pada Materi Faktor-faktor yang Mempengaruhi Laju Reaksi.. *UNESA Journal of Chemical Education Vol. 9, No. 1, pp.397-406.* https://ejournal.unesa.ac.id/index.php/journal-of-chemical education/article/view/36571/32459
8. Dymas Anisa dan ***Mitarlis**. 2020. Pengembangan Lembar Kerja Peserta Didik (LKPD) Berwawasan Green Chemistry Untuk Meningkatkan Kemampuan Literasi Sains Peserta Didik pada Materi Larutan Elektrolit dan Non Elektrolit. *UNESA Journal of Chemical Education Vol. 9, No. 1, pp.* 407-416. 407-416. https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/36549/32443
9. 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
10. 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.* https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/27039/24747
11. Ni'mah Nurul 'Afifah dan ***Mitarlis**. 2019. Penerapan Model Pembelajaran Inkuiri Terbimbing Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa Sma Kelas XI Pada Materi Asam Basa. *Unesa Journal of Chemical Education. Vol.8, No.3, pp. 443-449.* https://jurnalmahasiswa.unesa.ac.id/index.php/journal-of-chemical-education/article/view/30535/27827
12. 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
13. 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
14. Reisma Trisnia Nuur Fadilah, *Suyono, and **Mitarlis**. 2019. Reaction Rate Materials Learning With Nested Curricular Arrangement Assisted By Web Ehnanced Course To Improve Critical Thinking Skills And Student's Learning Outcome. *UJCEd Vol 8 No 3, pp.77-84.* https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/28456/26035

15. Diyah Amalia Putri, *Suyono, and **Mitarlis**. 2019. Learning of Reaction Rates Materials with Curricular Structuring Nested Assisted by Schoology Application to Improve Students Critical Thinking Skills and Learning Outcome. *UJCEd Vol 8 No 3, pp. 427-435*. https://ejournal.unesa.ac.id/index.php/journal-of-chemical-education/article/view/30553/27845
16. **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
17. 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
18. 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
19. Srini Hidayatin dan **Mitarlis.** 2018. Pengembangan lembar Kegiatan peserta 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
20. 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
21. **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
22. **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
23. **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
24. **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.*

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25. 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
26. A. D. P. Larasati dan **Mitarlis**, 2017. Penerapan Model Pembelajaran Inkuiri Terbimbing Berbasis Pendekatan Saintifik 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
27. 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
28. **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
29. **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
30. **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 Embodiying Green Education). *Prosiding Seminar Nasional Hasil Penelitian dan Pengabdian kepada Masyarakat, PPM Unesa, 4 Nopember 2017.*
31. 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.rjpbcs.com/pdf/2018_9(1)/[77].pdf
32. 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
33. 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

Activities in Specialist Bodies Over the	**Role**	**Position**	**Period**

Last 5 Years			