STAFF HANDBOOK

Name	**Prof. Dr. Suyono, M.Pd.**		
Position	**Professor on Chemistry Education**		
Academic Career	**Degree**	**University**	**Year**
	Bachelor Degree (Chemistry Education)	IKIP Surabaya – Indonesia	1979-1984
	Master Degree (Chemistry Education)	IKIP Malang – Indonesia	1985-1990
	Doctoral Degree (Mathematics and Natural Sciences – Chemistry)	Airlangga University – Indonesia	1993-2002
Employment	**Position**	**Employer**	
	Professor	Universitas Negeri Surabaya – Indonesia	
Research and Development Project Over the Last 5 Years	**Title**	**Funder**	**Year**
	Kemampuan Argumentasi Mahasiswa Kimia Dalam Menilai Fenomena Viral Dari Jejaring Sosial (*The Argumentation Ability of Chemistry Students in Assessing Viral Phenomena of Social Networking*)	Program Penelitian Kompetitif LPPM	2020
	Pengembangan Buku Ajar Kimia Berbasis STEM untuk Melatihkan Keterampilan Pemecahan Masalah Siswa (Development of STEM-Based *Chemistry Textbooks to Train Students' Problem Solving Skills)*	DRPM	2020
	Pengembangan Sumber Belajar Digital Sebagai Sarana Memotivasi Perkuliahan Kimia Fisika Selama Masa Study From Home (Sfh) (*Development of Digital Learning Resources as a Means to Motivate Physical Chemistry Lectures During the Study From Home (SFH) Period*)	Program Penelitian Kompetitif Kebijakan Fakultas FMIPA	2020
	Pengembangan Bahan Kuliah	Penelitian Guru Besar,	2019

	Terstruktur pada Mata Kuliah Kimia Fisika 3 Untuk Memfasilitasi Keterampilan Proses Sains, Berargumentasi, dan Pemecahan Masalah *(Development of Structured Lecture Material in Physical Chemistry 3 Course to Facilitate Science Process Skill, Argumentation, and Problem Solving)*	Dana PNBP Melalui LPPM	
	Pengembangan Model Penilaian Pembelajaran Tematik dan Pembelajaran Terpadu *(Development of Thematic Learning Assessment Models and Integrated Learning)*	Penelitian Kompetitif Dana Pusat Penilaian Pendidikan	2018
	Pengembangan Modul Elektronik Berbantuan Website untuk Mereduksi Miskonsepsi Kimia Mahasiswa S2 Prodi Penddikan Sains *(Development of Website-Assisted Electronic Modul to Reduce Chemistry Misconceptions of Post-Graduate Students in Science Education Study Program)*	Penelitian Kebijakan Pascasarjana Unesa	2018
	Pengembangan Modul Conceptual Change untuk Konsep-Konsep Kimia yang Menyebabkan Miskonsepsi Tinggi pada Mahasiswa Calon Guru *(Development of Conceptual Change Modul for Chemical Concepts That Cause High Misconception in Prospective Teacher Students)*	Penelitian Kebijakan Pascasarjana Unesa	2017
	Preparasi Sarjana Pendidikan Kimia Tanpa Miskonsepsi di FMIPA Unesa *(Preparation of Chemistry Education Bachelor without Misconception at Faculty of Mathematics and Natural Sciences Universitas Negeri Surabaya)*	Penelitian Unggulan Perguruan Tinggi	2016
Community Service Over The Last 5 Years	**Title**	**Funder**	**Year**
	Pelatihan Penyusunan Tes Diagnostik Model Sorogan Bandongan bagi Guru Kimia di Kodya Surabaya	PNBP Kebijakan FFMIPA	2021
	Menjaga Imunitas Tubuh Warga Unesa dalam Mencegah Covid-19 dengan Memberikan Tontonan Video Lucu (*Keep immunity body of unesa in preventing covid-19 by giving a spectacle of watching funny*	Skema PKM KOMPETITIF PASCA SARJANA	2020

	videos)		
	Pelatihan Penyusunan Rancangan Pembelajaran Kimia Berorientaso HOTS bagi Guru-guru Anggota MGMP Kimia Kabupaten Sumenep (Anggota Tim) (*Training a draft learning chemical berorientaso hots for teachers members mgmp chemical district sumenep team members).*	BOPTN FMIPA-Unesa	2019
	Pengabdian kepada Masyarakat Guru MGMP Kimia Kediri melalui Pelatihan Model Pembelajaran Berbasis Keterampilan Proses (*Devotion To The Chemical Through Training Teachers* MGMP *Kediri Learning Model Based Skill Process*)	BOPTN FMIPA-Unesa	2018
	Pelatihan Pengehlaan Laboratorium Pendidikan Kimia Uiqi Guru-guru Anggota MGMP Kimia Kabupaten Blitar (*Uiqi Chemical Education Laboratory Management Training for Teachers of Chemistry MGMP Members in Blitar Regency*)	BOPTN FMIPA-Unesa	2017
	Pelatihan Pembuatan Karya Inovatif Pembelajaran (INOBEL) bagi Guru SMP di Kabupaten Lamongan (*Learning Innovative Work Making Training (INOBEL) for Junior High School Teachers in Lamongan Regency*)	Pascasarjana Unesa PKM Kebijakan	2017
	Pelatihan Model-Model Pembelajaran Inovatif sebagai Upaya Peningkatan Kompetensi Guru Kimia di Banyuwangi (*Training on Innovative Learning Models as an Effort to Improve the Competence of Chemistry Teachers in* Banyuwangi)	BOPTN FMIPA-Unesa	2016
Industry Collaborations Over the Last 5 Years	**Title**	**Partner**	**Year**
Patents and Property Right	**Title**	**Patent ID**	**Year**
	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Konfigurasi Elektron (*Module conceptual change (MCC) mental model based on the configuration of electrons*)	Copyright Registration Number: 000150431	2019
	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Orbital (*The conceptual change (MCC) mental model based on the orbital)*	Copyright Registration Number: 000150433	2019

	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Tingkat Energi Elektron *(Module conceptual change (MCC) mental model based on the concept of electrons levels of energy)*	Copyright Registration Number: 000173693	2019
	Instrumen untuk Mengukur Kemandirian Belajar Mahasiswa *(Instrument for Measuring Student Learning Independence)*	Copyright Registration Number: 088001	2017
	Metode Adsorpsi Kation Logam Emas/Au(III) dari Limbah Cair dengan Biomassa *Saccharomyces cerevisiae* dan Cara Desorpsinya *(Adsorption Method of Gold/Au(III) Metal Cation from Liquid Waste with Saccharomyces cerevisiae Biomass and Its Desorption Method)*	Patent IDP 000042867	2009
Important Publications Over the Last 5 Years	1. **Suyono.** 2020. Miskonsepsi Kimia, Sebuah Misteri (Chemical Misconception, A Mystery). *Jurnal Pembelajaran Kimia,* Vo. 5, No. 1, 2020 doi : http://dx.doi.org/10.17977/um026v5i12020p001 2. Rohmat Hidayatulloh, **Suyono**, Utiya Azizah. 2020. Development of STEM-Based Chemistry Textbooks to Improve Students' Problem Solving Skills*. Journal of Research and Education Studies*. Vol.4, No. 3 (2020). https://journal-center.litpam.com/index.php/e-Saintika/article/view/306 3. **Suyono.** 2019. The Map of Post-5th Semester Pre-Service Chemistry Teachers Conceptions at Universitas Negeri Surabaya. *IOP Conf. Series: Journal of Physics: Conf. Series 1317 (2019) 012148 doi:10.1088/1742-6596/1317/1/012148.* 4. **Suyono,** H. Nasrudin and B. Yonata. 2019. Consistency and Relevance of Structured Lecture Materials in Physical Chemistry 3 Subjects. *Proceedings of the International Conference on Research and Academic Community Services (ICRACOS 2019), Atlantis Press.* 5. **Suyono,** H. Nasrudin and B. Yonata. 2019. Chemical Education Student Science Process Skills, in Specific and in General Content. *Proceedings of the National Seminar on Chemistry 2019 (SNK-19) Atlantis Press.* 6. N. K. Pratiwi, **Suyono** and L. Yuanita. 2019. The students' conception track of low-perception-students through the conceptual change (MCC) module based on mental models on electron configuration concept. *Proceedings of the National Seminar on Chemistry 2019 (SNK-19) Atlantis Press.* 7. Sukarmin, **Suyono**, and Wasis. 2019. Remediation Of Students' Misconception Based On Their Learning Style Through Guided Conceptual Change Strategies In The Concept Of Electrochemistry. *Proceedings of the National Seminar on Chemistry 2019 (SNK-19) Atlantis Press* ISBN: 978-94-6252-877-2 doi: https://doi.org/10.2991/snk-19.2019.45. 8. Findiyani Ernawati Asih, Suhadi Ibnu, **Suyono,** and Suhadi. 2019. Students' Misconceptions on Understanding Corrosion Topic by and without Analogy. *Proceedings of the National Seminar on Chemistry 2019 (SNK-19) Atlantis Press* ISSN: 2590-3195 doi:https://doi.org/10.2991/snk-19.2019.31		

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9. **Suyono**, and Wahyu Budi Sabtiawan. 2019. Reducing the Misconception Burdens of Students with Balance Visual-Verbal Learning Style through the Conceptual Change Strategy Assisted by Student Worksheet. *Journal of Science Education* No. 2, Vol. 20, 2019.
10. A. Majid and **Suyono**. 2018. Misconception Analysis Based on Students Mental Model in Atom Structure Materials. *Advances in Engineering Research Vol 171, Atlantis Press ISSN: 2352-5401, ISBN: 978-94-6252-591-7.*
11. Sukarmin and **Suyono**. 2018. The Use of Interactive Multimedia in Balancing Redox Reactions for Facilitating Learning Style Differences. *Advances in Engineering Research Vol. 171, Atlantis Press ISSN: 2352-5401, ISBN: 978-94-6252-591-7.*
12. Suyono. 2018. Tracing Individual Conception in Conceptual Change Stages Using Module Assistance. *International Conference on Science and Technology (ICST), Bali.*
13. R N Astuti, **Suyono**, and M Nur. 2018. The Argumentation Skills of Junior High School Students on Physical Changes and Chemical Changes. *Journal of Physics: Conference Series* DOI: https://doi.org/10.1088/1742-6596/1108/1/012127
14. U. Azizah, **Suyono,** and B. Yonata. 2017. Peningkatan Kompetensi Guru Kimia Melalui Pelatihan Model-Model Pembelajaran Inovatif di Banyuwangi (Chemistry Teacher Competency Enhancement Through Training of Innovative Learning Models in Banyuwangi). *Jurnal Abdi Vol 2 No 2 pp: 91-95.*
15. N. Palisoa, **Suyono**, R. Agustini, and B. K. Prahani. 2017. Integration of Strategy Conceptual Change Using Strategy 3R (Recall, Recognition, and Redintegration) to Reduce Burden High Misconceptions. *International Journal of Education and Research Vol 5 No 3, pp: 37-44.*
16. C. M. P. Hidayat and **Suyono**. 2016. Meremediasi Siswa yang Memiliki Beban Miskonsepsi Tinggi pada Ikatan Kimia dan Persepsi Rendah Menggunakan Strategi Analogi (Remediating Students who Have a High Misconception Load on Chemical Bonds and Low Perception by Using Analogy Strategies). *Unesa Journal of Chemical Education Vol 5 No 3 pp: 596-605.*
17. A. Afadil, **Suyono** and S. Poedjiastoeti. 2016. Effectiveness of Learning Based Problem Solving with Aspect Ontology, Epistemology, Axiology to Increase Critical Thinking Ability and Understanding Thermochemical Concept of Students. *International Journal of Active Learning Vol 1 No 2, pp: 66-74.*
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<tr><td rowspan="2">Activities in Specialist Bodies Over the Last 5 Years</td><td>Organization Role</td><td>Position</td><td>Period</td></tr>
<tr><td>Perkumpulan Pendidik IPA Indonesia (PPII)</td><td>Member</td><td>2010-Now</td></tr>
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