



Prof. Dr. Suyono, M.Pd.

Position	Chemistry Education Lecturer			
	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	Period	
	Professor	Universitas Negeri Surabaya – Indonesia		
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	Preparasi Sarjana Pendidikan Kimia Tanpa Miskonsepsi di FMIPA Unesa <i>(Preparation of Chemistry Education Bachelor without Misconception at Faculty of</i>	2015	Ditlitabmas	Rp. 150.000.000,00

	<i>Mathematics and Natural Sciences Universitas Negeri Surabaya)</i>			
	Preparasi Sarjana Pendidikan Kimia Tanpa Miskonsepsi di FMIPA Unesa <i>(Preparation of Chemistry Education Bachelor without Misconception at Faculty of Mathematics and Natural Sciences Universitas Negeri Surabaya)</i>	2016	Penelitian Unggulan Perguruan Tinggi	Rp. 225.000.000,00
	Pengembangan Modul Conceptual Change untuk Konsep-Konsep Kimia yang Menyebabkan Miskonsepsi Tinggi pada Mahasiswa Calon Guru <i>(Development of Conceptual Change Modul for Chemical Concepts That Cause High Misconception in Prospective Teacher Students)</i>	2017	Penelitian Kebijakan Pascasarjana Unesa	Rp. 60.000.000,00
	Pengembangan Model Penilaian Pembelajaran Tematik dan Pembelajaran Terpadu <i>(Development of Thematic Learning Assessment Models and Integrated Learning)</i>	2018	Penelitian Kompetitif Dana Pusat Penilaian Pendidikan	Rp. 250.000.000,00
	Pengembangan Modul Elektronik Berbantuan Website untuk Mereduksi Miskonsepsi Kimia Mahasiswa S2 Prodi Pendidikan	2018	Penelitian Kebijakan Pascasarjana Unesa	Rp. 50.000.000,00

	Sains <i>(Development of Website-Assisted Electronic Modul to Reduce Chemistry Misconceptions of Post-Graduate Students in Science Education Study Program)</i>			
	Pengembangan Bahan Kuliah Terstruktur pada Mata Kuliah Kimia Fisika 3 Untuk Memfasilitasi Keterampilan Proses Sains, Berargumentasi, dan Pemecahan Masalah <i>(Development of Structured Lecture Material in Physical Chemistry 3 Course to Facilitate Science Process Skill, Argumentation, and Problem Solving)</i>	2019	Penelitian Guru Besar, Dana PNBP Melalui LPPM	Rp. 40.000.000,00
	Kemampuan Argumentasi Mahasiswa Kimia Dalam Menilai Fenomena Viral Dari Jejaring Sosial <i>(The Argumentation Ability of Chemistry Students in Assessing Viral Phenomena of Social Networking)</i>	2020	Program Penelitian Kompetitif LPPM	Rp. 40.000.000,00
	Pengembangan Buku Ajar Kimia Berbasis STEM untuk Melatihkan Keterampilan Pemecahan Masalah Siswa <i>(Development of STEM-Based Chemistry Textbooks to Train Students' Problem Solving)</i>	2020	DRPM	Rp. 37.650.000,00

	<i>Skills)</i>			
	Pengembangan Sumber Belajar Digital Sebagai Sarana Memotivasi Perkuliahan Kimia Fisika Selama Masa Study From Home (Sfh) <i>(Development of Digital Learning Resources as a Means to Motivate Physical Chemistry Lectures During the Study From Home (SFH) Period)</i>	2020	Program Penelitian Kompetitif Kebijakan Fakultas FMIPA	Rp. 12.000.000,00
<b>Community Service Over The Last 5 Years</b>	<b>Title</b>	<b>Year</b>	<b>Partner/Funder</b>	<b>Amount of Financing (million)</b>
	Pelatihan Model-Model Pembelajaran Inovatif sebagai Upaya Peningkatan Kompetensi Guru Kimia di Banyuwangi <i>(Training on Innovative Learning Models as an Effort to Improve the Competence of Chemistry Teachers in Banyuwangi)</i>	2016	BOPTN FMIPA	Rp. 7.500.000,00
	Pelatihan Pengehlaan Laboratorium Pendidikan Kimia Uiqi Guru-guru Anggota MGMP Kimia Kabupaten Blitar <i>(Uiqi Chemical Education Laboratory Management Training for Teachers of Chemistry MGMP Members in Blitar Regency)</i>	2017	BOPTN FMIPA	Rp. 7.500.000,00
	Pelatihan Pembuatan Karya Inovatif Pembelajaran (INOBEL) bagi Guru SMP di Kabupaten Lamongan <i>(Learning Innovative Work Making Training (INOBEL) for Junior High School Teachers in Lamongan)</i>	2017	Pascasarjana Unesa PKM Kebijakan	Rp. 15.000.000,00

	<i>Regency)</i>			
	Pengabdian kepada Masyarakat Guru MGMP Kimia Kediri melalui Pelatihan Model Pembelajaran Berbasis Keterampilan Proses ( <i>Devotion To The Chemical Through Training Teachers MGMP Kediri Learning Model Based Skill Process</i> )	2018	BOPTN FMIPA	Rp. 7.500.000,00
	Pelatihan Penyusunan Rancangan Pembelajaran Kimia Berorientasi HOTS bagi Guru-guru Anggota MGMP Kimia Kabupaten Sumenep (Anggota Tim) ( <i>Training a draft learning chemical berorientasi hots for teachers members mgmp chemical district sumenep team members</i> ).	2019	BOPTN FMIPA-Unesa	Rp. 7.500.000,00
	Menjaga Imunitas Tubuh Warga Unesa dalam Mencegah Covid-19 dengan Memberikan Tontonan Video Lucu ( <i>Keep immunity body of unesa in preventing covid-19 by giving a spectacle of watching funny videos</i> )	2020	Skema PKM KOMPETITIF PASCA SARJANA	Rp. 20.000.000,00
<b>Industry Collaborations Over The Last 5 Years</b>				
<b>Patents and Proprietary Rights</b>	<b>Title</b>	<b>Patent ID</b>		<b>Year</b>
	Metode Adsorpsi Kation Logam Emas/Au(III) dari Limbah Cair	Patent IDP 000042867		2009

	dengan Biomassa <i>Saccharomyces cerevisiae</i> dan Cara Desorpsinya ( <i>Adsorption Method of Gold/Au(III) Metal Cation from Liquid Waste with Saccharomyces cerevisiae Biomass and Its Desorption Method</i> )		
	Instrumen untuk Mengukur Kemandirian Belajar Mahasiswa ( <i>Instrument for Measuring Student Learning Independence</i> )	Copyright Registration Number: 088001	2017
	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Konfigurasi Elektron ( <i>Module conceptual change ( MCC ) mental model based on the configuration of electrons</i> )	Copyright Registration Number: 000150431	2019
	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Orbital ( <i>The conceptual change ( MCC ) mental model based on the orbital</i> )	Copyright Registration Number: 000150433	2019
	Modul Conceptual Change (MCC) Berbasis Model Mental Pada Konsep Tingkat Energi Elektron ( <i>Module conceptual change ( MCC ) mental model based on the concept of electrons levels of energy</i> )	Copyright Registration Number: 000173693	2019
<b>Important Publication Over The Last 5 Years</b>	1. C. M. P. Hidayat and <b>Suyono</b> . 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). <i>Unesa Journal of Chemical Education Vol 5 No 3 pp: 596-605</i> .		

2. 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.
3. 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.
4. 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.
5. 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*.
6. 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*.
7. **Suyono**. 2018. Tracing Individual Conception in Conceptual Change Stages Using Module Assistance. *International Conference on Science and Technology (ICST), Bali*.
8. 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>
9. **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*.
10. **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*.
11. **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*.
12. 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*.

13. 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>.
14. 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>
15. **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.
16. **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>
17. 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>

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