



Prof. Dr. Suyatno, M.Si

Position	Organic Chemistry Lecturer			
	Professor in Organic Chemistry			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry Education)	IKIP Surabaya - Indonesia	1985 - 1990	
	Master Degree (Natural Product Chemistry)	ITB - Indonesia	1992 - 1995	
	Doctoral Degree (Natural Product Chemistry)	UNAIR - Indonesia	2001 - 2008	
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 (million)
	Partial Synthesis of Farrerol Flavonoid Compounds with Mattheucinol Initial Material from Chingia sakayensis Fern Plant as Anti Bronchitis Active Compound	2016	DP2M/Penelitian Hibah Bersaing Lanjutan (Tahun II)	50
	Development of Learning Tools Based on Concept Map to Train Higher Level Thinking Skills in	2016	BOPTN	10

	Chemistry Education Students at FMIPA Unesa			
	Study of Structure-Activity of Immunostimulant Secondary Metabolite Compounds from Silver Fern Plants ( <i>Pityrogramma calomelanos</i> )	2017	DRPM/Hibah Penelitian Fundamental	55
	Study of Structure-Activity of Immunostimulant Secondary Metabolite Compounds from Silver Fern Plants ( <i>Pityrogramma calomelanos</i> )	2017	Penelitian Fundamental	51,145
	Development of Learning Tools Based on KKNi for Organic Chemistry Practical (Members)	2017	Penelitian Kebijakan FMIPA Unesa	10
	Study of Structure-Activity of Immunostimulant Secondary Metabolite Compounds from Silver Fern Plants ( <i>Pityrogramma calomelanos</i> )	2018	DRPM/Hibah Penelitian Dasar Unggulan Perguruan Tinggi	112,5
	In Vitro Mucolytic Activities of Silver Nail Plants ( <i>Pityrogramma calomelanos</i> )	2019	Penelitian Guru Besar	40
	Synthesis of Silver Nanoparticles Using Bioreductors <i>Nephrolepis Radicans</i> Nail Plant Extracts as Antioxidant	2020	Penelitian Guru Besar	40
<b>Community Service Over The Last 5</b>	<b>Title</b>	<b>Year</b>	<b>Partner/Funder</b>	<b>Amount of Financing (million)</b>
	Herbal-Based Health Drink Making	2016	PKM Dana PNBP	7.5

<b>Years</b>	Training for Residents of Karangrejo Village, Rogojampi District, Banyuwangi Regency		FMIPA Unesa	
	Training on Making Instant Herbal Drink Powder for Residents of Jajar Village, Talun District, Blitar Regency	<b>2017</b>	PKM Dana PNBPFMIPA Unesa	7.5
	Training on Making Instant Herbal Drink Powder for Residents of Kandangan Village, Kandangan District, Jombang Regency	<b>2018</b>	PKM Dana PNBPFMIPA Unesa	7.5
	Dissemination of Making Instant Herbal Drinks Using a Squeezer Machine and Crystallization Machine at Graha Permata Housing, Driyorejo, Gresik	<b>2019</b>	DPTM Program/DRPM Kemenristekdikti	158
	Herbal-Based Health Drink Making Training for Villagers in the Assistance of Gresik Regency	<b>2020</b>	PKM Kebijakan Pascasarjana Unesa	20
	<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>	
	Synthesis Method of Farrerol Flavonoid Compound with Mattecucinol Compound as Initial	P00201604795	<b>2016</b>	

	Material from Chingia sakayensis Fern Plant		
	Determination of Molecular Structure of Organic Compounds	C00201602718	2017
	Dichloromethane Extract Method from Chingia sakayensis Fern Plant Bark as Mukolytic Active Natural Ingredients	201707164	2017
	Instrument for Measuring Student Learning Independence	88001	2017
	Stereochemistry	000127253	2017
	Advance of Organic Chemistry	000186072	2020
<b>Important Publication Over The Last 5 Years</b>	<p><b>Suyatno.</b> 2015. Validitas Perangkat pembelajaran Mata Kuliah Kimia Bahan Alam Berbasis Field Study dan Pendekatan Chemo-Entrepreneurship (The validity of learning tools for Natural Product Chemistry based on Field Studies and Chemo-Entrepreneurship Approaches). Jurnal Aktual (ISSN: 2339-2894). Vol. 3 No. 1 hal 65-73</p> <p><b>Suyatno.</b> 2017. Partial Synthesis of Farrerol As Antibronchitis Agent from Matteucinol Isolated from The Fern Chingia sakayensis Using Hydrobromic Acid Reagent. Research Journal of Pharmaceutical, Biological, and Chemical Sciences. Vol. 8 No. 1 pp 1674-1677</p> <p><b>Suyatno.</b> 2017. Developing of Teaching Materials of Natural Product Chemistry to Increase Student's Life Skills. Journal of Turkish Science Education. Vol. 14 No. 2 pp: 27-41</p> <p><b>Suyatno.</b> 2017. A Flavanoid Compound Isolated From The Dichloromethane Extract of the Silver Fern (Pityrogramma calomelanos). Journal of Physics. Conference Series, 953 012200</p> <p><b>Suyatno.</b> 2017. Partial Synthesis of Farrerol As Antibronchitis Agent from Matteucinol Isolated from The Fern Chingia sakayensis Using Hydrobromic Acid Reagent. Research Journal of Pharmaceutical, Biological, and Chemical Sciences (RJPBCS)</p> <p><b>Suyatno.</b> 2017. Developing of Teaching Materials of Natural Product Chemistry to Increase Student's Life Skills. Journal of Turkish Science Education. Vol. 14 No. 2 pp: 27-41</p> <p>Suyatno. 2018. Secondary Metabolites Isolated from The Dichloromethane Extract of Silver Fern</p>		

(Pityrogramma calomelanos). Research Journal of Pharmaceutical, Biological, and Chemical Sciences. Vol. 9 No. 1 pp: 566-570

**Suyatno.** Application Sorogan-Bandongan Model in Lectures Reaction Mechanism. Advances in Engineering Research, Atlantis Press. Vol 171, ISSN: 2352-5401, ISBN: 978-94-6252-591-7

**Suyatno.** 2017. Secondary Metabolites Isolated from The Dichloromethane Extract of Silver Fern (Pityrogramma calomelanos). Research Journal of Pharmaceutical, Biological, and Chemical Sciences (RJPBCS). Vol. 9 No. 1, pp: 566-570

**Suyatno.** 2018. Immunostimulant activity of flavonoid isolated from the acetone extract of silver fern (Pityrogramma calomelanos). Advances in Engineering Research, Atlantis Press. Vol. 171, Tahun 2018. ISSN: 2352-5401, ISBN: 978-94-6252-591-7.

**Suyatno.** 2018. Innovative lesson study (LS) to improve the pedagogical content knowledge (PCK) of STEM teacher candidates in Indonesia. Global Journal of Engineering Education. Vol. 20 No. 1 pp: 39-47

**Suyatno.** 2018. Pelatihan Pembuatan Serbuk Minuman Herbal Instan Untuk Warga Desa Jajar, Kecamatan Talun, Kabupaten Blitar (Instant Herbal Beverage Powder Training For Residents of Jajar Village, Talun District, Blitar Regency). Jurnal Abdi. Vol. 3 No. 2 pp:76-83

**Suyatno.** 2019. Mucolytic Activity Assay of Flavonol Isolated from The Silver Fern (Pityrogramma calomelanos) (Proceeding of national Seminar on chemistry yang dipublikasikan oleh Atlantis Press, terindeks Thomson Reuters, Atlantis Highlights in Chemistry and Pharmaceutical Sciences, volume 1, pp: 85-87)

**Suyatno.** 2020. Effectiveness of The Teaching Materials Based on Argument Driven Inquiry Learning Model for Practicing Students Critical Thinking Skills (International Journal of Scientific and Research Publications, Volume 10, Issue 3, pp: 477-481)

<b>Activities in Special Institution</b>	<b>Organization Role</b>	<b>Position</b>	<b>Period</b>
	Himpunan Kimia Indonesia (HKI)	Member	2010 – now
	Himpunan Kimia Bahan Indonesia (HKBAI)	Member	2001 – now
	Perkumpulan Pendidik IPA Indonesia (PPII)	Member	2017 – now

