



Samik , S.Si. , M.Si

Position	Physical Chemistry Lecturer			
	Lecturer on Physical Chemistry			
Academic Career	Degree	University		Year
	Bachelor Degree (Physical Chemistry)	UNESA, Indonesia		2002-2007
	Master Degree (Physical Chemistry)	ITS, Indonesia		2009-2011
	Doctoral Degree			
Employment	Position	Employer		Period
	Associate Professor	Universitas Negeri Surabaya		2011-now
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	Utilization of AC Waste Water as a Substitute for Aquades (as chairman)	2016	BOPTN	10
	Development of teaching book of solid state chemistry based on scientific articles and reference books in the framework of implementing the KKNi curriculum (as chairman)	2015	BOPTN	10
	Optimization of Raw Materials through Reuse of Batik Remaining Night to "Zero Waste Management" as an Effort to	2017	Hibah Penelitian Prioritas	150

	Develop the Java Economic Corridor Batik Industry Mainstay (as a member)		Nasional MP3EI DP2M	
	Development of learning tools based on blended learning on crystal structure material (as a chairman)	2018	BOPTN	10
	Development of learning tools based on blended learning on crystal type material (as a chairman)	2018	PNBP LPPM Unesa	7.5
	Development of learning tools based on blended learning on syllogism material (as a member)	2018	PNBP LPPM Unesa	7.5
	Difference between Physical and Chemical Characteristics of Red and Green Binahong Extract (as a member)	2019	BOPTN	10
	Utilization of Pad Steam Dyeing (PSD) Technology for Increasing the Effectiveness and Efficiency of Fabrication of Pilot-Line Eco-Batik Fabrication Scale at Surabaya State University (as a member)	2019	PNBP LPPM Unesa	70
	Standardization of Coloring and Encapsulation of Psidium Guajava Natural Dyes, Syzygium Aqueum, Garcinia Mangostana as the Leading Green Technology for Textile Industry (as a member)	2019	DRPM Multi years	224
	Cyclic Voltammetry Analysis of Phenol Disinfectant	2020	BOPTN	15
Community Service	Title	Year	Partner/Funder	Amount of Financing (million)

Over The Last 5 Years	Training on Liquid Soap Making in Muncar Banyuwangi as an Alternative for Entrepreneurs (as a member)	2016	BOPTN	7.5
	Training at anti-drug counseling in the village of Pesanggrahan, Mojokerto Regency with the theme "Efforts to Improve Sports in the Context of Prevention of Drug Abuse and Eradication of Drugs	2017	Personal	-
	Training on Making Herbal-Based Health Drinks for Residents of Kandangan Village, Kandangan District, Kediri Regency (as members)	2018	BOPTN	7.5
	PKM UMKM Hijab Bojonegoro (as chairman)	2019	DRPM	50
	Training of High-Level Thinking Skills-Based Questionnaire for Chemistry Teachers in Sumenep Madura District (as a member)	2019	BOPTN	7.5
	Covid-19 Transmission Prevention Online and Providing Assistance to Affected Residents in the Kutisari Area, Surabaya (Samik, Titik Taufikurohmah, Dr. Pirim Setiarso, Maria Monica S.B.W, Mirwa Adiprahara Budgeti)	2020	BOPTN	7.5
	PKM Batik Tanjungbumi Bangkalan Madura (Samik, Agus Budi Santosa)	2020	DRPM	47.7
	Industry Collaborations			

Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
Important Publication Over The Last 5 Years	<ol style="list-style-type: none"> <li data-bbox="573 392 2045 504">1. Samik, Ratna Ediati, Didik Prasetyoko. 2017. Characterization of Mesoporous NaZSM-5 And K₃PO₄/NaZSM-5 From Adsorption And Desorption Isotherms. Advance Science Letters. Vol 23, No. 12, pp: 12025-12028 <li data-bbox="573 512 2045 584">2. Samik, Pirim Setiarso, I Gusti Made Sanjaya. 2017. Utilization of Air Conditioning Wastewater as a Replacement for Aquadest. Indonesian Chemistry and Application Journal (ICAJ). Vol. 1, No. 1. pp: 1-7 <li data-bbox="573 592 2045 743">3. Pirim Setiarso, Rusijono, Samik, Nita kusumawati. 2018. The Production and Characterization of Kaempferia Galangal L-based Herb Powder: Blanching and Drying Procedure Influence on Proximate, Metal, and Microbial Contamination Level. Advances in Engineering Research, Atlantis Press, . Vol 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7 <li data-bbox="573 751 2045 823">4. Tukiran, Suyatno, Nurul Hidajati, Samik. 2019. Making Herbal-Based Health Drinks for Residents of Kandangan Village, Kandangan District, Kediri Regency. Jurnal Abdi. Vol.5 No.1, pp: 25-32 <li data-bbox="573 831 2045 943">5. Nita kusumawati, Samik, Agus Budi Santoso, Asri Wijiastuti. 2018. Development of Textile Natural Dyeing using Hybrid Dyes from Mango Leaves Turmeric. Advances in Engineering Research, Atlantis Press, . Vol 171. ISSN: 2352-5401, ISBN: 978-94-6252-591-7 <li data-bbox="573 951 2045 1023">6. Samik, Harun Nasrudin, Pirim Setiarso. 2018. Book of solid state chemistry. Unesa University Press. ISBN: 978-602-449-211-3 <li data-bbox="573 1031 2045 1142">7. Nita kusumawati, Samik, Supari Muslim. 2019. Exploration of Natural Dyes by Using a Combination of Caesalpinia sappan and Leucaena leucocephala L. Leaves. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 33-37 <li data-bbox="573 1150 2045 1262">8. Nita kusumawati, Anang Kistyanto, Samik. 2019. Extraction and Application of Natural Dyes from Brazilwood and Water guava leaves. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 38-42 <li data-bbox="573 1270 2045 1382">9. Nita kusumawati, Samik, Anang Kistyanto. 2019. Quality Improvement of ABBS Hand Writing Batik Production through Standardization of Natural Dyeing using Water Guava and Mango Leaves. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 29-32 		

10. **Samik**, Agus Budi Santoso, Nita kusumawati. 2019. Diversification of “NAJWA” Hijab Staining using Tie Dye Method Based on Natural Dyes. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 74-78
11. Pirim Setiarso, Rusijono, Asrul Bahar, **Samik**, Nita kusumawati. 2019. Standardization of Herbal Tea Quality Production Baureno Bojonegoro Society. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 55-59
12. N. Kusumawati, **Samik**, A.B. Santoso, and S. Muslim. 2020. New Natural Dyes Development: Caesalpinia Sappan L.-Curcuma Longa Blended Dyes. Rasayan J. Chem, Vol. 13, No. 2, pp 991 – 999, ISSN: 0974-1496, e-ISSN: 0976-0083.

Activities in Special Institution	Organization	Position	Period
	Anti Narcotics Educative Cadre BNNP East Java	chairman	2014-now