



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
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 Develop the Java Economic Corridor Batik Industry Mainstay (as a member)	2017	Hibah Penelitian Prioritas Nasional MP3EI DP2M	150
	Development of learning tools based on	2018	BOPTN	10

	blended learning on crystal structure material (as a chairman)			
	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
Industry Collaborations Over The Last 5 Years				
Patents and Proprietary Rights Important	Title	Patent ID	Year	
	1. Samik , Ratna Ediati, Didik Prasetyoko. 2017. Characterization of Mesoporous NaZSM-5 And			

**Publication Over
The Last 5 Years**

- K₃PO₄/NaZSM-5 From Adsorption And Desorption Isotherms. Advance Science Letters. Vol 23, No. 12, pp: 12025-12028
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
 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
 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
 5. Nita kusumawati, **Samik**, Agus Budi Santoso, Asri Wijastuti. 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
 6. 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
 7. 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
 8. 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
 9. **Samik**, Agus Budi Santoso, Nita kusumawati. 2019. Diversification of "NAJWA" Hijab Staining using TieDye Method Based on Natural Dyes. Atlantis Highlights in Chemistry and Pharmaceutical Sciences, Atlantis Press. Vol.1 pp: 74-78
 10. 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
 11. Samik, Harun Nasrudin, Pirim Setiarso. 2018. Book of solid state chemistry. Unesa University Press.

ISBN: 978-602-449-211-3

Activities in Special Institution	ISBN: 978-602-449-211-3		
	Organization	Position	Period
	Anti Narcotics Educative Cadre BNNP East Java	chairman	2014-now