

STAFF HANDBOOK



Name	Prof. Dr. Titik Taufikurohmah, M.Si.		
Position	Professor on Analytical Chemistry		
Academic Career	Bachelor Degree (Chemistry)	ITS Surabaya, Indonesia	1986 - 1992
	Master Degree (Pharmaceutical Chemistry)	UNAIR, Indonesia	2000 - 2003
	Doctoral Degree (Chemistry)	UNAIR, Indonesia	2011 - 2013
Employment	Position	Employer	
	Professor	Universitas Negeri Surabaya - Indonesia	
Research and Development Project Over the Last 5 Years	Title	Funder	Year
	Manufacturing of Nanogold Nanosilver Drugs to Support the Development of Domestic Drug Raw Materials	DRPM	2021
	Application of Hydroxyapatite Silver Chitosan Nanomaterial Technology for Reconstruction of Fractured Teeth	DRPM	2021
	Application technology of nanomaterial gold nanogold and nanosilver for cancer	Ristek-Dikti Riset Terapan PUPIT	2019
	Manufacturing nanogold-nanosilver drugs to support the development of domestic medical raw materials	Ristek-Dikti Skema Riset Pengembangan	2019
	Nanogold Cosmetics Manufacturing to Support the Domestic Cosmetics Industry	Ristek-Dikti Skema PUSN	2017 - 2018
	Analysis of Heavy Metal Content in the Land Surrounding the FMIPA Unesa Chemistry Department Building	BOPTN	2016
Community Service Over The Last 5	Title	Funder	Year
	Non-Alcoholic Hand Sanitizer Products Made from Toga to	PNBP	2021

Years	Prevent the Transmission of COVID-19 in Pasuruan BMNK Islamic Boarding School Students		
	KECE Unesa Hand Sanitizer for Covid-19	PNBP	2020
	Making Hand Soap as a Defense Against Covid-19 in Tuban Regency	PNBP	2020
	Online Counseling on the Prevention of Covid-19 Transmission and Providing Assistance to Affected Residents in the Kutisari Area, Surabaya	PNBP	2020
	Fruit yogurt making training as an effort to increase the nutritional and economic value of livestock and plantation products in Sumenep Regency	BOPTN	2019
	Nanosilver nanogold application for leprosy sufferers in social contage Babatjerawat, Benowo Surabaya	Kebijakan-LPPM Unesa	2018
	Making dish soap for the entrepreneurial community of Kandangan Kediri	BOPTN	2018
	Making face masks from fruit for the Blitar community entrepreneur	BOPTN	2017
Industry Collaborations Over the Last 5 Years	Title	Partner	Year
		PT. Gizi Indonesia	
Patents and Property Right	Title	Patent ID	Year
	The Process of Making Nanogold Using Polyvinyl Pyrrolidone (PVP) Matrix and Its Use in the Formula for Leprosy / Leprosy		2017
	Nanogold Making Method Using Polyvinyl Pyrrolidone (PVP) Matrix and Its Use in Toxoplasmosis Disease Formula Formula		2017
	The Process of Making Nano Seaweed or Nanoseaweed and Its Use in Making Cosmetics	P00201705279	2017
	The Process of Making Seaweed Nano or Nanoseaweed and Its Use in Making Supplements	P00201705280	2017
	The Process of Making Seaweed Nano or Nanoseaweed and Nanogold and Their Use in Cosmetics Manufacturing	P00201705278	2017
	The Process of Making Seaweed Nano or Nanoseaweed and Nanogold and the Use of Both in Making Supplements	P00201705281	2017

	Cosmetic Chemistry	C00201602923	2017
	Nanogold Synthesis Using Matrix Mono Glyceryl Stearate as Antiaging Compounds in Modern Cosmetics	C00201702802 No: 088000	2017
	Artikel: Histology Study: Pre-Clinic Test of Nanogold In Mus Musculus Skin, at Fibroblast Proliferation and Collagen Biosynthesis	C00201702751 No: 087960	2017
	Artikel: Synthesis Colloidal Platinum Nanoparticles with Variance Silver Ion and Characterization with UV-Visible Spectrophotometer and TEM Analysis	C00201702752 No: 087961	2017
	Artikel: Mercury Exposure to Skin Tissue of Mus Musculus as Fibroblast Cell Proliferation and Collagen Quantity	C00201702758 No: 087967	2017
	Artikel: TEM Analysis of Gold Nanoparticles Synthesis In Glycerin: Novel Safety Materials in Cosmetics Recovery Mercury Damage	C00201702753 No: 087962	2017
	Artikel: Synthesis Of Nanogold and Stability Test of This Colloidal as Essential Material in Drug, Supplement and Cosmetics	C00201702754 No: 087963	2017
	Artikel: Stability of Colloidal Silver Nanoparticles Synthesized with Variance Silver Ions as Antimicrobial in Cosmetic Formulation	C00201702755 No: 087964	2017
	Artikel: Activity Test of Nanogold for Reduction of Free Radicals, a Pre-Asessment Utilization Nanogold in Pharmaceuticals as Medicines and Cosmetics	C00201702756 No: 087965	2017
	Article: Histochemical Changes in Liver and Kidney of Mice Exposed to Mercury and Its Recovery with Nanogold	C00201702757 no: 087966	2017
	Nanogold as Supporting Activities of Conventional Sunscreen of Octyl-P-Methoxycinnamate to Inhibit Photoaging	C00201702801 No: 087999	2017
	Artikel: Increased Activity Compounds Sunscreen Octyl P-Methoxycinnamate Using The Matrix Ti-Bentonite	C00201702800 No: 087998	2017
	Basic Chemistry	C00201602906 no: 083837	2017
	The Process of Making Night Cream Made from Active Papaya Leaf	P00201805096	2018

	Extract as Anti-Acne		
	The Process of Making Moisturizing Cream by Adding Lime Skin Extract	P00201805106	2018
	The Process of Making Cream Scrub from Cocoa Powder Combined with Honey and Milk Powder	P00201805091	2018
	The Process of Making Night Cream from Nanogold and Moringa Leaf Extract and Its Use in Making Antiaging Cosmetics	P00201805095	2018
	Use of Nanoemulsion of Lime Extract (Citrus Aurantifolia S.) as Active Ingredients for Making Whitening Cream	P00201805094	2018
	Betasianin Extraction Method from Red Dragon Fruit (Hylocereus Costaricensis) as a Natural Color in Lipstick preparations	P00201805104	2018
	The Process of Making Moisturizing Cream Made from Active Extract of The Cocoa Beans (Theobroma cacao L) in a Combination of Honey Bees	P00201805103	2018
	Use of Nanoemulsion Temulawak Extract in Whitening Cream to Brighten, Smooth and Tighten Facial Skin	P00201805102	2018
	The Process of Making Night Cream with Japanese Celery Leaf Extract or Ashitaba as Lightening Skin	P00201805099	2018
	Nanogold Making Method Using Sugar Matrix (Sucrose) and Its Use for Moisturizing Cream with Addition of Carambola Extract	P00201805105	2018
	Mask Making Method from Pomegranate Skin Extract to Maintain Facial Skin Health	P00201805097	2018
	The Process of Making Day Cream from Active Ingredients Papaya Leaf Extract as an Anti-Acne Product	P00201805096	2018
	The Process of Making Day Cream Made from Active Black Cumin Extract	P00201805113	2018
	The Process of Making Antiaging Made from Active Extracts of Trembesi Seeds (Samanea Saman) as Antioxidants on the Skin	P00201805101	2018
	The Process of Making Chitosan-Aloe Vera Nanoparticles and Their Use in Making Anti-Acne Creams	P00201805110	2018
	The Process of Making Whitening Cream from Carambola Wuluh (Averrhoa Bilimbi) with Citric Acid	P00201805108	2018

	Active Ingredients and Their Use in Cosmetics Manufacturing		
	Making Lipstick Using Mangosteen (Garcinia Mangostana L) Skin Extract as a Lipstick Color	P00201805092	2018
	Making Process of Moisturizing Cream Made from Active Papaya Leaf Extract (Cariaca Papaya L.)	P00201805114	2018
	The Process of Making Night Cream from Nanogold and Coffee Skin Extract and Its Use as an Antioxidant	P00201805088	2018
	The Process of Making Day Cream with Active Soy Bean Extract (Glycine Max) in the Form of Nanomaterials	P00201805085	2018
	The Process of Making Whitening Cream with Strawberry Fruit Extract (Fragaria X Ananassa)	P00201805089	2018
	The Process of Making Strawberry Fruit Cream (Fragaria X Ananassa D.) as an Antioxidant	P00201805334	2018
	Process of Making Antiaging Cream from Extra Moringa Leaves	P00201805327	2018
	Day Cream Making Method Using Noni Seed Extract	P00201805322	2018
	The Process of Making Nanosilver Day Cream Made from Ketapang Leaf Extract as Sunscreen	P00201805331	2018
	Formula Whithening Cream Active Ingredients Extract Dragon Skin (Hylocereus Polyrhizus) and Aloe Vera Combination	P00201805336	2018
	Making a Face Mask by Utilizing Sweet Orange Skin	P00201805326	2018
	The Process of Making Moisturizing Cream with Aloe Vera Extract	P00201805335	2018
Important Publications Over the Last 5 Years	<ol style="list-style-type: none"> Putri, R.A., Susantini, E., and Taufikurohmah, T. (2021). The Development of Plant E-Atlas for Acid-Base Test Indicators as Supporting Teaching Materials During the Covid-19 Pandemic. <i>Jurnal Pendidikan MIPA</i> 22 (1), 35-44 Putri, R.A., Susantini, E., and Taufikurohmah, T. (2021). The Results Presentation of The Test Plants As A Natural Indicator of The Test Compounds of The Acid-Base Balance In the Teaching Materials of The Atlas to Train Scientific Reasoning Students. <i>IJORER: International Journal of Recent Educational Research</i> 2 (3), 354-364. Taufikurohmah, T., Sanjaya, I.G.M., Baktir, A., and Syahrani, A. (2021). The Negative Effect Of Mercury in Cosmetics Especially in Brain Cells and Collagen Tissue Quantity that Recovery with Nano-Gold. <i>Journal of International Research in Medical and Pharmaceutical Sciences</i>, 1-8. Taufikurohmah, T., Rusmini, R., and Soepardjo, D. (2021). Aplication of nanogold and nanosilver to reduce rheumatic arthritis: Case study at leprosy patients. <i>Journal of Physics: Conference Series</i> 1869 (1), 012018. 		

5. **Taufikurohmah, T.**, and Cahyaningrum, S.E. (2020). Improving Life Skills and Community Income With Soap Entrepreneurs. *International Joint Conference on Arts and Humanities (IJCAH 2020)*, 1401-1405.
6. **Taufikurohmah, T.**, Naqiyah, N., Ilhamuddin, M.F., and Sidohutomo, A. (2020). Vandemicum of Nanogold and Nanosilver to Improve Quality Life of Cancer Patients. *International Joint Conference on Science and Engineering (IJCSE 2020)*, 236-244
7. Shalli, F.G., **Taufikurohmah, T.**, and Apriyosa, E. (2020). Preliminary Studies ON Antifungal and Antibacterial Activity of Alum as Medicine Preparation for Vaginal Discharge. *International Journal of Research-Granthaalayah 8 (6)*, 188-195
8. Tantyani, T.A., and **Taufikurohmah, T.** (2020). Antibacterial and antifungal activity of silver nanoparticles against neisseria gonorrhoeae and candida albicans. *International Journal of Research-Granthaalayah 8 (6)*, 179-187
9. Ashfia, F., **Taufikurohmah, T.**, and Apriyosa E. (2020). Antibacterial And Antifungal Activity of Herbal Medicine Containing Alum as Medicine Preparation for Vaginal Discharge. *International Journal of Research-Granthaalayah 8 (6)*, 169-178
10. Naqiyah, N., **Taufikurohmah, T.**, and Sidohutomo, A. (2020). Improving Self-Efficacy with Nanogold-Nanosilver and Bodysanitizer for Communities in The Midst of Pandemic Covid-19. *Proceeding International Joint Conference on Science, Technology, Art, and Humanities (IJCSTAH 2020)*
11. **Taufikurohmah, T.**, Soepardjo, D., and Armadianto, H. (2020). Synthesis and Characterization of Nanogold-Nanosilver Cluster Diameter Using UV-Visible Instruments and TEM Electron Microscope Transform Instruments. *Proceedings of International Conference on Research and Academic Community Services (ICRACOS 2020)*
12. **Taufikurohmah, T.**, Soepardjo D., and Armadianto, H. (2020). Synthesis and Characterization of Nanogold-Nanosilver Cluster Diameter Using UV-Visible Instruments and TEM Electron Microscope Transform Instruments. *Proceedings of the International Conference on Research and Academic Community Services (ICRACOS 2019)*
13. **Taufikurohmah, T.**, Suparo, D., and Rusmini, R. (2019) Utilization Of Nanogold And Nanosilver To Treat Herpes Disease: Case Study Of Herpes Transmission In Islamic Cottage Schools. *Proceedings of the National Conference SNK-2019 Atlantic Press. Vol 1*
14. Naqiyah, N., Ilhamuddin, M.F., **Taufikurohmah, T.**, and Sudihutomo, H. (2019). Self-Efficacy with Educational Purpose on Consuming Nanogold and Nanosilver as Medication for Cancer. *Proceeding of International Conference ICEI-2019. Atlantic Press. Vol 387*
15. **Taufikurohmah, T.** Soepardjo D., Armadianto, H., and Rusmini, R. (2019) Synthesis and Characterization of Nanogold and Nanosilver as Leprosy Drug Candidates and Their Activity Tests in Leprosy Patients; Case Study. *Proceeding of International Conference MISEIC-2019. Atlantic Press. Vol 95.*
16. **Taufikurohmah, T.**, Tjandrakirana, T., Tjahjani, S., and Sanjaya, I.G.M. (2018). Clinical Test of Nanogold-Nanoseaweed Cosmetics for User Cosmetic Society. *Proceedings of the International Conference on Science and Technology (ICST 2018)*
17. **Taufikurohmah, T.**, et.al. (2018). Analysis of the Clinical Volunteer Complaint Relation with Dangerous Substances in Cosmetic Formula

- Used. *Advances in Engineering Research, Atlantic Press, Proceedings of the Seminar Nasional Kimia - National Seminar on Chemistry (SNK 2018)*.
18. **Taufikurohmah, T.**, et.al. (2018). The Clinical Test of Nano Gold Cosmetic for Recovering Skin Damage Due to Chemicals: Special Case. *IOP Conf. Series: Journal of Physics Conf. Series Vol 947 012056*.
 19. Sanjaya, I.G.M., Ismono, I., **Taufikurohmah, T.** and Wardana, A.P. (2018). Phytochemical Properties of Skin Care Cream Containing Essential Oil of Galangal. *Advances in Engineering Research, Atlantic Press, Proceedings of the Seminar Nasional Kimia - National Seminar on Chemistry (SNK 2018)*..
 20. **Taufikurohmah, T.**, Sanjaya, I.G.M, and Tjahjani, S. (2018). Nanogold's Influence on Antioxidant Activity of Green Tea Extracts in the Framework of New Essential Ingredients Discovery in Cosmetic Formulation. *IOP Conf. Series: Journal of Physics: Conf. Series 1108*.
 21. **Taufikurohmah, T.** et. al. (2018). The Clinical Test of Nano gold Cosmetic for Recovering Skin Damage Due to Chemicals: Special Case. *IOP Conf. Series: Journal of Physics: Conf. Series 1108*.
 22. Arfi, K., and **Taufikurohmah, T.** (2017). Pemanfaatan Nanosilver sebagai Antibakteri dalam Sediaan Farmasi Krim Pelembab Mata (Utilization of Nanosilver as an Antibacterial in Pharmaceutical Preparations Moisturizing Eye Cream). *Unesa Journal of Chemistry. Vol 6 No 3, 2017*

Activities in Specialist Bodies Over the Last 5 Years	Role	Position	Period
	Himpunan Kimia Indonesia (HKI)	Member	2018 – now