



Dr. Andika Pramudya Wardana, S.Si., M.Si.

Position	Chemistry Education Lecturer			
	Lecturer on Chemistry Education			
Academic Career	Degree	University	Year	
	Bachelor Degree (Chemistry)	Universitas Negeri Surabaya - Indonesia	2016	
	Master Degree (Chemistry)	Universitas Airlangga - Indonesia	2020	
	Doctoral Degree (Mathematic and Natural Sciences (Chemistry))	Universitas Airlangga - Indonesia	2023	
Employment	Position	Employer	Period	
Research and Development Projects Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing
	Study of Bioactivity and Synergistic Effects of Herbal Medicine Formulas from the Zingiberaceae Family	2022	DRPTM scheme PDD	Rp 50.000.000
	Study of Bioactivity and Synergistic Effects of Herbal Medicine Formulas from the Zingiberaceae Family	2023	DRPTM scheme PDD	Rp 59.193.000
	Indonesian herbal nanoencapsulation uses modified chitosan as a breast cancer chemopreventive supplement.	2023	EQUITY	Rp 88.700.000
Community Service	Title	Year	Partner/Funder	Amount of Financing (million)

Over The Last 5 Years (Pengabdian kepada Masyarakat)				
Industry Collaborations Over The Last 5 Years				
Patents and Proprietary Rights	Title	Patent ID	Year	
	Metode Isolasi Senyawa Asam Galat Dari Kulit Batang Tumbuhan Gowok (<i>Syzygium polycephalum</i>) Tukiran, Nurul Hidajati, Andika Pramudya Wardana	IDP000081975	2018	
	Proses Pembuatan Krem Anti Jerawat dengan Material Essensial Nanosilver-Nanogold Titik Taufikurohmah, Limca Anggi Prastika, Andika Pramudya Wardana	IDP000080516	2018	
	Proses Pembuatan Losion Nanogold Ekstrak Kencur Dari Rimpang Kencur Sebagai Tabir Surya Titik Taufikurohmah, Nurul Hidajati, Andika Pramudya Wardana	IDP000078652	2018	
	Proses Pembuatan Masker Wajah Ekstrak Katekin Gambir Dan Nanogold Untuk Anti Penuaan Titik Taufikurohmah, Dia Novita Sari, Andika Pramudya Wardana	IDP000084739	2018	
	Metode Sintesis Karagenan Folat Alfinda Novi Kristanti, Nanik Siti Aminah, Andika Pramudya Wardana , Mochamad Zakki Fahmi	IDS000005646	2020	
	Nanoenkapsulasi <i>Syzygium polycephalum</i> Dengan Penyalut Karagenan Folat	IDS000007008	2020	

	Menggunakan Metode Ultrasonikasi Nanik Siti Aminah, Andika Pramudya Wardana , Mochamad Zakki Fahmi, Alfinda Novi Kristanti		
	Pembuatan Sediaan Nano Sambung Nyawa (<i>Gynura procumbens</i>) Nanik Siti Aminah, Andika Pramudya Wardana , Alfinda Novi Kristanti, Yosephine Sri Wulan Manuhara	IDS000005289	2021
	Nanoenkapsulasi Katekin dari <i>Uncaria gambir</i> Nanik Siti Aminah, Andika Pramudya Wardana , Alfinda Novi Kristanti	IDS000005734	2021
Important Publication Over The Last 5 Years	<ol style="list-style-type: none"> Aswandi Wibrianto, Febrianti S. D. Putri, Ummi K. Nisa, Nila Mahyahani, Siti F. A. Sugito, Andika Pramudya Wardana, Satya C. W. Sakti, Jia-Yaw Chang, Mochamad Z. Fahmi. 2024. Strategic Assessment of Boron-Enriched Carbon Dots/Naproxen: Diagnostic, Toxicity, and In Vivo Therapeutic Evaluation. <i>Molecular Pharmaceutics</i>, 21 (2), pp. 801-812 Andika Pramudya Wardana, Nanik Siti Aminah, Alfinda Novi, Kristanti, Mochamad Zakki Fahmi, Haninda Iffatuz Zahrah, W. Widiyastuti, Hendrix Abdul Ajiz, Ummi Zubaidah, Priangga Adi Wiratama, Yoshiaki Takaya. 2023. Nano <i>Uncaria gambir</i> as Chemopreventive Agent Against Breast Cancer. <i>International Journal of Nanomedicine</i>, 18, pp. 4471-4484 Muhammad Ikhlas Abdjan, Nanik Siti Aminah, Alfinda Novi Kristanti, Imam Siswanto, Baso Ilham, Andika Pramudya Wardana, and Yoshiaki Takaya. 2023. Structure-based approach: molecular insight of pyranocumarins against α-glucosidase through computational studies. <i>RSC Advances</i>, 13(6), pp. 3438–3447 Andika Pramudya Wardana, Nanik Siti Aminah, Alfinda Novi, Kristanti, Y. Sri Wulan Manuhara, Mochamad Zakki Fahmi, Teguh HariSucipto, Muhammad Ikhlas Abdjan, and Indriani. 2023. <i>Gynura procumbens</i> Nanoencapsulation: A Novel Promising Approach to Combat Dengue Infection. <i>Rasayan Journal of Chemistry</i>, 16(2), pp. 802-810 Andika Pramudya Wardana, Muhammad Ikhlas Abdjan, Nanik Siti Aminah, Mochamad Zakki Fahmi, Imam Siswanto, Alfinda Novi Kristanti, Mirza Ardella Saputra and Yoshiaki Takaya. 2022. 3,4,3'-Tri-O-methylelagic acid as an 		

anticancer agent: in vitro and in silico studies. *RSC Advances*, 12(46), pp. 29884–29891

6. Y. Sri Wulan Manuhara, Sugiarto Sugiharto, Alfinda Novi Kristanti, Nanik Siti Aminah, Anjar Tri Wibowo, ***Andika Pramudya Wardana***, Y. K. Putro, Djarot Sugiarto. 2022. Antioxidant Activities, Total Phenol, Flavonoid, And Mineral Content In The Rhizome Of Various Indonesian Herbal Plants. *Rasayan Journal of Chemistry*, 15(4), pp. 2724–2730
7. Almando Geraldi, ***Andika Pramudya Wardana***, Nanik Siti Aminah, Alfinda Novi Kristanti, Aliffa Yusti Sadila, Nabilla Hapsari Wijaya, Mellya Rimadha Andra Wijaya, Noviana Indah Dwi Diningrum, Versa Rachmania Hajar, Yosephine Sri Wulan Manuhara. 2022. Tropical Medicinal Plant Extracts from Indonesia as Antifungal Agents against *Candida albicans*. *Frontiers in Bioscience - Landmark*, 27(9), 274
8. Alfinda Novi Kristanti, Nanik Siti Aminah, Imam Siswanto, Yosephine Sri Wulan Manuhara, Muhammad Ikhlas Abdjan, ***Andika Pramudya Wardana***, Ei Ei Aung and Yoshiaki Takaya. 2022. Anticancer potential of β -sitosterol and oleanolic acid as through inhibition of human estrogenic 17 β -hydroxysteroid dehydrogenase type-1 based on an in silico approach. *RSC Advances*, 12(31), pp. 20319–20329
9. Alfinda Novi Kristanti, Nanik Siti Aminah, Fiqi F. Zahroh, Kirtiana B. Hudaniah, Mohammad A. Budiman, Renaldy R. Indrawan, Rizky Alfatsyah, ***Andika Pramudya Wardana***, Yoshiaki Takaya. 2022. Phytochemistry of *Syzygium polycephalum*. *Tropical Journal of Natural Product Research*, 6(5), pp. 728–731
10. Erlinda R. Laili, Nanik Siti Aminah, Alfinda Novi Kristanti, ***Andika Pramudya Wardana***, M. Rafi, A. Rohman, M. Insanu, and K. N. W. Tun. 2022. Comparative Study of *Sida rhombifolia* From Two Different Locations. *Rasayan Journal of Chemistry*, 15(1), pp. 642–650
11. Nanik Siti Aminah, Muhammad Ikhlas Abdjan, ***Andika Pramudya Wardana***, Alfinda Novi Kristanti, Imam Siswanto, Khusna Arif Rakhman, Yoshiaki Takaya. 2021. The dolabellane diterpenes as potential inhibitors of the SARS-CoV-2 main protease: molecular insight of the inhibitory mechanism through computational studies. *RSC Advances*, 11(62), pp. 39455–39466
12. ***Andika Pramudya Wardana***, Nanik Siti Aminah, Mila Rosyda, Muhammad Ikhlas Abdjan, Alfinda Novi Kristanti, Khun Nay Win Tun, Muhammad Iqbal Choudhary, Yoshiaki Takaya. 2021. Potential of diterpene compounds as antivirals, a review. *Heliyon*, 7(8), e07777
13. ***Andika Pramudya Wardana***, Nanik Siti Aminah, Mochamad Zakki Fahmi, Alfinda Novi Kristanti, Haninda Iffatuz Zahrah, Yoshiaki Takaya, M. Iqbal Choudhary. 2020.

	<p>Nanoencapsulation of <i>Syzygium polycephalum</i> extract using folate modified κ-carrageenan as vehicles for pronounced anticancer activity. <i>Tropical Journal of Natural Product Research</i>, 4(11), pp. 945–952</p> <p>14. Tukiran, Andika Pramudya Wardana, Nurul Hidajati, Kuniyoshi Shimizu. 2019. Chemical components and antioxidant activities of methanol extract of <i>Syzygium polycephalum</i> Miq. stem bark (Myrtaceae). <i>Indian Journal of Natural Products and Resources (IJNPR)</i>, 10(2), pp. 127-136</p> <p>15. Nanik Siti Aminah, Andika Pramudya Wardana, Alfinda Novi Kristanti, Brilliana Via Safitri, Mafalda Rosa. 2019. Application of flower color variations to <i>impatiens balsamina</i> l. As an environmentally friendly acid-base indicator. <i>Rasayan Journal of Chemistry</i>, 12 (4), pp. 2116-2123</p> <p>16. Tukiran, Andika Pramudya Wardana, Nurul Hidajati, Kuniyoshi Shimizu. 2018. Two Phenolic Compounds from Chloroform Fraction of <i>Syzygium Polycephalum</i> MIQ. Stem Bark (Myrtaceae). <i>Molekul</i>, 13(1), pp. 23-29</p> <p>17. Tukiran, and Andika Pramudya Wardana. 2018. <i>Thunbergia erecta</i> L. Flower As An Alternative Acid Base Natural Indicators. <i>Rasayan Journal of Chemistry</i>, 11(2), pp. 773-779</p> <p>18. Suyatno Sutoyo, Ismono, Mitarlis, Nurul Hidajati, Andika Pramudya Wardana. 2018. Secondary Metabolites Isolated from The Dichloromethane Extract of Silver Fern (<i>Pityrogramma calomelanos</i>). <i>Research Journal of Pharmaceutical Biological and Chemical Sciences</i>, 9(1), pp. 566-570.</p> <p>19. Tukiran, Andika Pramudya Wardana, Nurul Hidajati, Kuniyoshi Shimizu. 2018. An Ellagic Acid Derivative And Its Antioxidant Activity Of Stem Bark Extracts Of <i>Syzygium polycephalum</i> Miq. (Myrtaceae). <i>Indonesian Journal of Chemistry</i>, 18(1), pp. 26-34</p> <p>20. Suyatno Sutoyo, Nurul Hidajati, Andika Pramudya Wardana. 2018. A Flavanoid Compound Isolated From The Dichloromethane Extract Of The Silver Fern (<i>Pityrogramma Calomelanos</i>). In <i>Journal of Physics: Conference Series</i>, 953(1), pp. 012200, IOP Publishing</p> <p>21. Titik Taufikurohmah, Andika Pramudya Wardana, Siti Tjahjani, IGM Sanjaya, Afaf Baktir, Achmad Syahrani. 2018. The Clinical Test of Nano gold Cosmetic for Recovering Skin Damage Due to Chemicals: Special Case. In <i>Journal of Physics: Conference Series</i>, 947(1), pp. 012056, IOP Publishing</p>		
Activities in Special Institution	Organization	Position	Period