



Dr. I Gusti Made Sanjaya, M.Si.

Position	Physical Chemistry Lecturer			
	Lecturer in Physical Chemistry			
Academic Career	Degree	University		Year
	Bachelor Degree (Chemistry Education)	IKIP Jakarta, Indonesia		1989
	Master Degree (Physical Chemistry)	ITB, Indonesia		1994
	Doctoral Degree (Theory of Chemistry)	ITB, Indonesia		2004
Employment	Position	Employer		Period
	Associate Professor	Universitas Negeri Surabaya		
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 distilled water	2016	BOPTN	10
	Effect of Galangal Extract / Essential Oil Concentration on Characteristics of Galangal Lotion	2017	Peneitian Kebijakan FMIPA Unesa	10
	Nanogold Cosmetics Manufacturing to Support the Domestic Cosmetics Industry	2017	Penelitian Unggulan Strategis Nasional	600

	Utilization of Enzymatic Yeast Hydrolysate (YHE) Produced in Various Growth Media as Type 2 Diabetes Millitus (OM) Medication by Assessing the Content of Chromium (III)	2017	Penelitian Unggulan Perguruan Tinggi	79,029
	Effect of Galangal Extract / Essential Oil Concentration on Galangal Lotion Characteristics	2017	Penelitian Kebijakan FMIPA Unesa	10
	Utilization of Enzymatic Yeast Hydrolysate (YHE) Produced in a variety of Growth Media as Type 2 Diabetes Millitus (OM) Medication by Assessing the Content of Chromium (III)	2018	Penelitian Dasar Unggulan Perguruan Tinggi	103,250
	Nanogold Cosmetics Manufacturing to Support the Domestic Cosmetics Industry	2018	Penelitian Unggulan Strategis Nasional	500
	Difference between Physical and Chemical Characteristics of Red and Green Trunked Binahong Extract	2019	Penelitian Kebijakan Fakultas DIPA Unesa	10
	Carrageenan-Locus Bean Gum As Bioactive Component Coating Material Yacon Extract [Smallanthus Sonchifolia (POEPP.ET ENDL.) H. ROBINSON]	2019	Penelitian Guru Besar Unesa	50
	DEVELOPMENT OF EXTRACT OR SYRUP YACON [SMALLANTHUS SONCHIFOLIA (POEPP.ET ENDL.) H.ROBINSON] FOR ATLITE HEALTH	2020	Program Penelitian Kompetitif LPPM DIPA Unesa	75
	Herbal Effervescent Tablets Formulation to	2020	Program	25

	Increase Immunity to Prevent Covid-19		Penugasan Pascasarjana DIPA Unesa	
	The Development Of Unesa's Long Term Development Plan As PTN-BH	2020	Program Penugasan DIPA Unesa	50
	Antimicrobial Food Packaging Based on Local Natural Materials as an Effort to Prevent the Spread of Covid-19	2020	Program Penelitian Kompetitif Kebijakan Fakultas FMIPA	12
Community Service Over The Last 5 Years	Title	Year	Partner/Funder	Amount of Financing (million)
	IbM Products from earthworm-based preparations (<i>Lumbricus Rubellus</i>)	2016	DP2M Ristek-Dikti	42,5
	Liquid Soap Making Training in Muncar Banyuwangi as an Entrepreneurial Alternative	2016	PKM Kebijakan Fakultas MIPA Unesa	7,5
	Scientific Writing Technique Training enriched with Zotero	2017	PKM Kebijakan Fakultas MIPA Unesa	7,5
	Training on the use of virtual laboratories as learning media for high school chemistry teachers in Kediri Regency	2018	PKM Kebijakan Fakultas MIPA Unesa	7,5
	Training on the use of natural dyes in the Sumenep batik industry	2019	PKM Kebijakan Fakultas MIPA Unesa	7,5
	PKM Usaha Batik Tulis Pewarna Alam Pakandangan Sumenep Madura Natural Color Written Batik Business SMEs in Pakandangan Sumenep Madura	2020	DRPM Kemenristek Dikti	48

Industry Collaborations Over The Last 5 Years			
Patents and Proprietary Rights	Title	Patent ID	Year
	Basic Chemistry	HAKI 083838	2016
	Chemistry Literature	ISBN: 978-602-449-063-8	2017
	Model Physics Independent Learning (PIL)	HAKI 02034	2017
	Model Physics Independent Learning Kit	HAKI 02035	2017
	Book Prototype of Basic Science Practicum in SD; Physics Independent Learning (PIL) Model; Electricity and Magnetism	HAKI 02036	2017
	Basic Concepts of SD Science Based on the ARICESA Model (Attention, Relevance, Inquiry, Confidence, Enjoyment, Satisfaction, and Self-Assessment)	HAKI EC00201901292/000131930	2018
	UNESA LONG TERM DEVELOPMENT MASTER PLAN AS PTN-BH	HAKI 000223909	2020
Important Publication Over The Last 5 Years	<p>I Gusti Made Sanjaya. 2016. Pengaruh Enkapsulasi Be terhadap Karakterisasi Silicon Nanotube Armchair (Effect of Be Encapsulation on the Characterization of Silicon Nanotube Armchair). Unesa Journal of Chemistry . Vol. 5, No. 3</p> <p>I Gusti Made Sanjaya. 2016. Karakterisasi Graphene Arang Ampas Tebu Berbasis X-Rd dan Tem (Characterization of X-Rd and Tem-based Sugar Cane Charcoal Graphene Charcoal). Unesa Journal of Chemistry . Vol. 5, No. 3</p> <p>I Gusti Made Sanjaya. 2017. Pengaruh Enkapsulasi Be terhadap Karakterisasi Silicon Nanotube Armchair (Effect of Be Encapsulation on the Characterization of Silicon Nanotube Armchair). Unesa Journal of Chemistry. Vol. 5, No. 3</p> <p>I Gusti Made Sanjaya. 2017. Penentuan Aktivitas Senyawa Turunan Mangiferin Sebagai Antidiabetes Pada Diabetes Mellitus Tipe 2 Secara In Silico (Determination of the Activity of Mangiferin Derivatives as</p>		

Antidiabetic in Type 2 Diabetes Mellitus In Silico). Unesa Journal of Chemistry. Vol. 6, No. 3

I Gusti Made Sanjaya. 2017. The Validity and Effectiveness of Physics Independent Learning Model to Improve Physics Problem Solving and Selfdirected Learning Skills of Students in Open and Distance Education Systems. Journal of Baltic Science Education (Terindeks Scopus). Vol. 16, No. 5

I Gusti Made Sanjaya. 2018. Penentuan Aktivitas Senyawa Turunan Mangiferin Sebagai Antidiabetes pada Diabetes Mellitus Tipe 2 secara In Silico (Determination of the Activity of Mangiferin Derivatives as Antidiabetic in Type 2 Diabetes Mellitus by In Silico). Unesa Journal of Chemistry. Vol. 6, No. 3

I Gusti Made Sanjaya. 2018. Phytochemical Properties of Skin Care Cream Containing Essential Oil of Galangal. Advances in Engineering Research, Atlantis Press (Terindeks Thomson Reuters). Vol. 171

I Gusti Made Sanjaya. 2018. Study Komputasi Aktivitas Senyawa Turunan Mangiferin sebagai Anti Diabetes Tipe 1 Menggunakan Metode Hksa (Hubungan Kuantitatif Struktur dan Aktivitas) dan Penambatan Molekul(Study of Computational Activity of Mangiferin Derivatives as Type 1 Anti-Diabetes Using the HKSA Method (Quantitative Relationship of Structure and Activity) and Molecular Tethering). Unesa Journal of Chemistry. Vol. 7, No. 1

I Gusti Made Sanjaya. 2018. The Clinical Test of Nano gold Cosmetic for Recovering Skin Damage Due to Chemicals: Special Case. IOP Conf. Series: (Terindeks Scopus). Journal of Physics: Conf. Series 947, 012056

I Gusti Made Sanjaya. 2018. Chromium in Fermented Rice Flour with Bakery's Yeast. Advances in Engineering Research, Atlantis Press. Vol. 171.

I Gusti Made Sanjaya. 2019. Nanogold's Influence on Antioxidant Activity of Green Tea Extracts in the Framework of New Essential Ingredients Discovery in Cosmetic Formulation. Journal of Physics: Conference Series. Vol. 1108, No. 1

I Gusti Made Sanjaya. 2019. Pengembangan Model Pembelajaran Physics Metacognition Learning; Pembelajaran Inovatif Di Indonesia (Development of the Physics Metacognition Learning Learning Model; Innovative Learning in Indonesia). Vidya Karya. Vol. 33, No.2

I Gusti Made Sanjaya. 2019. Characterization of yeast hydrolysate enzymatic (YHE) from yeast fermented in the variation of rice flour. Journal of Physics: Conference Series. Vol.1156, No.2

I Gusti Made Sanjaya. 2019. ARICESA as an Alternative Learning Model to Improve Learning Motivation and Understanding of Student Concepts. International Journal of Instruction. Vol. 12, No.2

I Gusti Made Sanjaya. 2019. Edmodo-Based Blended Learning Model as an Alternative of Science Learning to Motivate and Improve Junior High School Students' Scientific Critical Thinking Skills. International Journal of Emerging Technologies in Learning. Vol. 14, No.7

	<p>I Gusti Made Sanjaya. 2019. The Chemical Properties Comparative Of Yeast Hydrolysate Enzymatic (YHE) From Yeast That Fermented In Rice Flour Variation. <i>Rasayan J. Chem.</i> Vol.12, No.4</p> <p>I Gusti Made Sanjaya. 2020. Elite (E-Book Literacy) for Junior High School Student's Scientific Literacy in Solar System Material. <i>Journal of Physics: Conf. Series</i>1491 (2020) 012070. doi:10.1088/1742-6596/1491/1/012070.</p> <p>I Gusti Made Sanjaya. 2020. The New Generation Self-Directed Teaching Materials of Natural Science in Elementary Schools Validity Tests. <i>International Journal of Instruction</i> . Oct2020, Vol. 13 Issue 4, p763-780. 18p. 4 Charts.</p>		
Activities in Special Institution	Organization	Position	Period
	Perkumpulan Pendidik IPA Indonesia	Member	2017-now
	Universitas Dinamika	Advisory Committee	2011-Now