



UNIVERSITAS INDONESIA
 Faculty of Mathematics and Natural Sciences
 Department of Mathematics
 Building D, Kampus UI Depok 16424, Telp: 021 - 7863439,
 Email: sekretariat.math@sci.ui.ac.id, website: <https://www.math.ui.ac.id/>

STAFF HANDBOOK

Name	Hengki Tasman		
Expertise	Mathematical epidemiology		
Academic career		Institution	Year
	Undergraduate degree	Universitas Indonesia	1998
	Master degree	• Institut Teknologi Bandung	2002
		• University of Groningen	2002
	Doctoral degree	Institut Teknologi Bandung	2010
Post-doctoral	-	-	
Employment	Position	Employer	Period
	Lecturer	UI	2007 – 2008
	Assistant professor	UI	2008 - now
Research and development projects over the last 5 years	<p>1. Riset PUTI Prosidings, “Analyzing the success of communicable and non-communicable disease control with saturated treatment intervention”, Period 2020, Partner Dipo Aldila, Amount of financing Rp 23,000,000.00</p> <p>2. Riset PUTI Saintekes, “Stability analysis on the tuberculosis prevention model with M72/AS01E vaccination strategy”, Period 2020, Partner Dipo Aldila, Amount of financing Rp 17,500,000.00</p>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title	Year	
Important publications over the last 5 years	Selected recent publications		
	<p>1. Fatmawati, H. Tasman: An optimal control strategy to reduce the spread of malaria resistance, <i>Mathematical Biosciences</i>, 262, pp. 73 – 39, 2015.</p> <p>2. N. Anggriani, H. Tasman, M.Z. Ndi, A.K. Supriatna, E. Soewono, E. Siregar: The effect of reinfection with the same serotype on dengue transmission dynamics, <i>Applied Mathematics and Computation</i>, 349, pp. 62 – 80, 2019.</p>		

	<p>3. Fatmawati, U.D. Purwati, F. Riyudha, H. Tasman: Optimal control of a discrete age-structured model for tuberculosis transmission, <i>Heliyon</i>, 6 (1), 2020.</p> <p>4. Fatmawati, F.F. Herdicho, Windarto, W. Chukwu, H. Tasman: An optimal control of malaria transmission model with mosquito seasonal factor, <i>Results in Physics</i>, 25, 104238, 2021.</p>		
Scholar UI ID	https://scholar.ui.ac.id/en/persons/hengki-tasman		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Indonesian Mathematical Society (IndoMS)	Secretary	2016-2018