

STAFF HANDBOOK



Name :	Prof. Drs. I Ketut Budayasa, PhD.		
Position:	Professor in Graph Theory		
Academic Career:	Degree	Expertise	Institution
	Undergraduate Degree	Mathematics Education	Universitas Negeri Surabaya
	Doctoral Degree	Mathematics	Curtin University of Technology
	Senior Lecturer	Mathematics	Universitas Negeri Surabaya
Employment	Position	Employer	Period
	Secretary of magister and doctoral programs of mathematics education	Pascasarjana Unesa	1999-2002
	Head of magister and doctoral programs of mathematics education	Pascasarjana unesa	2002- 2008
	Director of pascasarjana unesa	Pascasarjana unesa	2008-2017
Research and development projects over the last 5 years	No	Name of project	Amount
	1	DRPM	265,660 juta
	2	DRPM	266,382 Juta

	<table><tr><td>3</td><td>PUPT</td><td>2017</td><td>175 Juta</td></tr><tr><td>4</td><td>PUPT</td><td>2016</td><td>225 Juta</td></tr><tr><td>5</td><td>PUPT</td><td>2015</td><td>107,5 Juta</td></tr><tr><td>6</td><td>DIPA Penelitian Fundamental</td><td>2014</td><td>58 juta</td></tr><tr><td>7</td><td>DP2M Dikti</td><td>2010</td><td>30 juta</td></tr><tr><td>8</td><td>Stranas</td><td>2010</td><td>65 juta</td></tr></table>	3	PUPT	2017	175 Juta	4	PUPT	2016	225 Juta	5	PUPT	2015	107,5 Juta	6	DIPA Penelitian Fundamental	2014	58 juta	7	DP2M Dikti	2010	30 juta	8	Stranas	2010	65 juta												
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8	Stranas	2010	65 juta																																		
Industry collaboration over last 5 years																																					
Patents and proprietary rights	Copyright of several books: 1. Matematika Diskrit. 2013 . Surabaya: Unesa University Press 2. Teori Graf dan Aplikasinya. 2012 . Surabaya: Unesa University Press 3. Geometri Fractal dan Aplikasinya. 2016. Surabaya: Unesa University Press.																																				
Important publications over last 5 years	<table><tr><td>1</td><td>Authors</td><td>I Ketut Budayasa and</td></tr><tr><td></td><td>Title</td><td>Development of field-based tasks with technology to reduce math anxiety and improve math performance</td></tr><tr><td></td><td>Publisher, place of publications, volum, issue, page number</td><td>Vol. 19 No.1 tahun 2021 World Transactions on Engineering and Technology Education. (terindeks Scopus , Q1)</td></tr><tr><td>2</td><td>Authors</td><td>Dwi Juniati, I Ketut Budayasa, Chusnul Chotimah</td></tr><tr><td></td><td>Title</td><td>The Similarity Of Iris Between Twins And Its Effect On Iris Recognition Using Box Counting</td></tr><tr><td></td><td>Publisher, place of publications, volum, issue, page number</td><td>2020:90 Commun. Math. Biol. Neurosci. (terindeks Scopus ,Q3)</td></tr><tr><td>3</td><td>Authors</td><td>Dwi Juniati, I Ketut Budayasa</td></tr><tr><td></td><td>Title</td><td>Working Memory Capacity and Mathematics Anxiety of Mathematics Undergraduate Students and Its Effect on Mathematics Achievement</td></tr><tr><td></td><td>Publisher, place of publications, volum, issue, page number</td><td>Vol 8. Issue 1 year 2020 Journal for the Education of Gifted Young Scientists (terindeks Scopus , Q3)</td></tr><tr><td>4</td><td>Authors</td><td>Nur Fauziyah, Carol Le Lant, I Ketut Budayasa, Dwi Juniati</td></tr><tr><td></td><td>Title</td><td>Differences in the Cognitive Processes of Autism Spectrum Disorder Students in Understanding Mathematical Problems Based on the Level of Intelligence</td></tr><tr><td></td><td>Publisher, place of publications, volum, issue, page number</td><td>Vol.24,No. 6 year 2020, International Journal of Psychosocial Rehabilitation (terindeks scopus)</td></tr></table>	1	Authors	I Ketut Budayasa and		Title	Development of field-based tasks with technology to reduce math anxiety and improve math performance		Publisher, place of publications, volum, issue, page number	Vol. 19 No.1 tahun 2021 World Transactions on Engineering and Technology Education. (terindeks Scopus , Q1)	2	Authors	Dwi Juniati, I Ketut Budayasa, Chusnul Chotimah		Title	The Similarity Of Iris Between Twins And Its Effect On Iris Recognition Using Box Counting		Publisher, place of publications, volum, issue, page number	2020:90 Commun. Math. Biol. Neurosci. (terindeks Scopus ,Q3)	3	Authors	Dwi Juniati, I Ketut Budayasa		Title	Working Memory Capacity and Mathematics Anxiety of Mathematics Undergraduate Students and Its Effect on Mathematics Achievement		Publisher, place of publications, volum, issue, page number	Vol 8. Issue 1 year 2020 Journal for the Education of Gifted Young Scientists (terindeks Scopus , Q3)	4	Authors	Nur Fauziyah, Carol Le Lant, I Ketut Budayasa, Dwi Juniati		Title	Differences in the Cognitive Processes of Autism Spectrum Disorder Students in Understanding Mathematical Problems Based on the Level of Intelligence		Publisher, place of publications, volum, issue, page number	Vol.24,No. 6 year 2020, International Journal of Psychosocial Rehabilitation (terindeks scopus)
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	5	Authors	Andi Husniati, I Ketut Budayasa, Dwi Juniati, Carol Le Lant
		Title	Analysis of deaf students understanding math concepts in the topic of geometry (rectangle shape): A case study
		Publisher, place of publications, volum, issue, page number	Vol 8 Issue 3 year 2020 Journal for the Education of Gifted Young Scientists (terindeks Scopus ,Q3)
	6	Authors	Dwi Juniati, I Ketut Budayasa
		Title	The Mathematics Anxiety: Do Prospective Math Teachers Also Experience It?
		Publisher, place of publications, volum, issue, page number	Conf.Ser. 1663012032 Journal of Physics: Conference Series (IOP) Terindeks Scopus 2020
	7	Authors	I Ketut Budayasa, Dwi Juniati
		Title	The Influence of Cognitive Style on Mathematical Communication of Prospective Math Teachers in Solving Problems
		Publisher, place of publications, volum, issue, page number	Conf. Ser.1417012056 Journal of Physics: Conference Series (IOP) Terindeks Scopus
	8	Authors	Nur Fauziyah, Carol Le Lant, I Ketut Budayasa, Dwi Juniati
		Title	Cognition Processes of Students with High Functioning Autism Spectrum Disorder in Solving Mathematical Problems
		Publisher, place of publications, volum, issue, page number	Vol. 12 No.1,tahun 2019 Internasional Journal of Instruction (terindeks scopus, Q2)
	9	Authors	Rosdiana, I Ketut Budayasa, and Agung Lukito
		Title	Pre-Service Primary School Teachers' Mathematical Reasoning Skills from Gender Perspectives: A Case Study
		Publisher, place of publications, volum, issue, page number	Vol. 7 Issue 4 Journal for the Education of Gifted Young Scientists (terindeks Scopus ,Q3) 2019
	10	Authors	La Misu, I Ketut Budayasa, Agung Lukito, Hasnawati, and Utu Rahim
		Title	Profile of metacognition of mathematics education students in understanding the concept of integral in

			category classifying and summarizing
		Publisher, place of publications, volum, issue, page number	Vol. 12, No. 3 Internasional Journal of Instruction (terindeks scopus, Q2) 2019
	11	Authors	I K Budayasa and D Juniati
		Title	The Influence of Cognitive Style on Mathematical Communication of Prospective Math Teachers in Solving Problems
		Publisher, place of publications, volum, issue, page number	Conf. Ser.1417012056 Journal of Physics: Conference Series (IOP) Terindeks Scopus tahun 2019
	12	Authors	Pathuddin, I Ketut Budayasa and Agung Lukito
		Title	Metacognitive activity of male students: difference field independent dependent cognitive style
		Publisher, place of publications, volum, issue, page number	J. Phys.Conf. Ser.,1218012025 Journal of Physics: Conference Series (IOP) Terindeks Scopus tahun 2019
	13	Authors	Arwanto, I Ketut Budayasa and Mega Teguh Budiarto
		Title	The development role of mathematic intuition principles in mathematical problem-solving
		Publisher, place of publications, volum, issue, page number	J. Phys.Conf. Ser.,1188012089, Journal of Physics: Conference Series (IOP) Terindeks Scopus tahun 2019
Activities in specialist bodies over the last 5 years			
	Organisation	Position	Period
	Indonesian Mathematics Society (INDO-MS)	member	2018-2020
	American Mathematical Society (AMS)	member	

Surabaya, 10 December 2021

Prof. I Ketut Budayasa, PhD.