



UNIVERSITAS GADJAH MADA
Faculty of Mathematics and Natural Sciences
Mathematics Department

Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 552243 Fax: +62 274 555131 Email: math@ugm.ac.id

Undergraduate Program in Mathematics

Telp : +62 274 552243

Email : math@ugm.ac.id; kaprodi-s1-matematika.mipa@ugm.ac.id

sekprodi-s1-matematika.mipa@ugm.ac.id

Website : <http://s1math.fmipa.ugm.ac.id/>

STAFF HANDBOOK

Name	Prof Dr.rer.nat Widodo, M.S. (Email: widodomathugm@gmail.com and widodo_math@ugm.ac.id)			
Post	Applied Mathematics: e.g. Discrete Dynamical Systems, Mathematical Model, Operations Research and Fuzzy Optimization, Fuzzy Graf. E-Training			
Academic Career		Institution	Year	
	Initial Academic Appointment	Universitas Gadjah Mada Indonesia	1989	
	Post Doctoral	-	-	
	Doctoral Degree (Dr.rer.nat)	University of Innsbruck AUSTRIA	1996	
	Master Degree (M.S.)	Institut Teknologi Bandung Indonesia	1992	
	Undergraduate Degree (Drs.)	Universitas Gadjah Mada Indonesia	1988	
Employment		Position	Employer	Period
	Tenaga Pengajar (Assistant)		Universitas Gadjah Mada	1-3-1989 – 31-3-1993
	Instructor		Universitas Gadjah Mada	1-4-1993 – 30-6-1999
	Assistant Professor		Universitas Gadjah Mada	1-7-1999 – 30- 6-2002
	Associate Professor		Universitas Gadjah Mada	1-7-2002 – 30-9-2007
	Full Professor		Universitas Gadjah Mada	1-10-2007 – Present
Research and development projects over the last 5 years	<p>(1). Name of project or research focus: Improvement of Efficiency, Effectiveness and Accelerate Achievement of the Target of Mathematics Teachers Training Through Structured E-Training http://diklatonline.p4tkmatematika.org/ Period and any other information: 2014-2015 Partners, if applicable: Dept. of Education and Culture Indonesia Amount of financing: IDR 1.100.000.000</p> <p>(2). Name of project or research focus: The Application of Mathematical Model for Traffic Flow Period and any other information: 2009-2011 Partners, if applicable: - Amount of financing: IDR 300.000.00</p>			
Industry collaborations over the last 5 years	Project title : - Partners: -			
Patents and proprietary rights		Title	Year	
Important	Selected recent publications form a total of approx.: Isikan jumlah publikasi			

publications over the last 5 years	(Publikasi dipilih beberapa yang terpenting)
	In the last 5 years, there are 22 articles has published in international journals and several articles in proceedings of international seminars, such as:
	1. Indriati D., Widodo, Indah E. Wijayanti, Kiki A. Sugeng, Martin Bača and Andrea Semaničová-Feňovčíková, The total vertex irregularity strength of generalized helm graphs and prisms with outer pendant edges, Australas. J. Combin, Australia, June 2016 , Vol. 65 (1), 14-26. Scopus indexed, SJR. Th. 0,623. http://ajc.maths.uq.edu.au/?page=get_volumes&volume=65
	2. Rosyida, I., Widodo, Indrati, Ch.R., and Sugeng, K.A., A New Approach for Determining Fuzzy Chromatic Number of Fuzzy Graph. Journal of Intelligent and Fuzzy Systems, IOS Press Amsterdam Netherlands, 2015 , Vol. 28, No. 5, 2331-2341. ISSN: 10641246. http://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs1521?resultNumber=12&totalResults=14&start=0&q=widodo&resultsPageSize=50&rows=50 Scopus indexed 0.497, Impact Factor (Thomson Reuters) 1.812.
	3. Indriati, D., Widodo, Wijayanti, E., W., and Sugeng, K., A., and Martin Bača, On Total Edge Irregularity Strength of Generalized Web Graphs and Related Graphs. Math. Comput. Sci., Springer Basel, 2015 , 9:161–167 DOI 10.1007/s11786-015-0221-5. Scopus indexed, SJR. 0,337. http://link.springer.com/article/10.1007/s11786-015-0221-5 .
	4. Wiraningsih, E. D., Govaerts, W., Widodo, Aryati, L., and Toaha, S., Stability Analysis Rabies Model in Animals with the Effect of Vaccination and Sterilization, Ceser Publications India, 2015 , Int. J. Appl. Mat. Stat. Vol. 53, Issue Number: 4, 73-82. ISSN: 0973-7545 (online), ISSN: 0973-1377 (Print), www.ceser.in/ceserp/ , http://www.ceserp.com/cp-jour/index.php?journal=ijamas&page=article&op=view&path%5B%5D=3686
	5. Bahri, S., Widodo and Subanar, Applied Multiresolution B-Spline Wavelet to Neural Network Model and Its Application to Predict Some Economics Data. Int. J. Appl. Mat. Stat., Ceser Publications India, 2016 , Vol. 54, Issue Number:1,93-103. ISSN: 0973-7545 (online), ISSN: 0973-1377 (Print), www.ceser.in/ceserp/ , www.ceserp.com/cp-jour/ ISSN: 0973-7545 (online),ISSN: 0973-1377 (Print), www.ceser.in/ceserp/ , http://www.ceserp.com/cp-jour/index.php?journal=ijamas&page=issue&op=view&path%5B%5D=345
	6. Imron, M., A., Indrati, Ch., R., Widodo, 2013 , On Uniform Convergence of Double Sine Seriesunder Condition of p-Supremum Bounded Variation Double Sequences. Int. Journal of Math. Analysis, Hikari Ltd Bulgaria, 2013, Vol. 7, 2013, no. 51, 2535 – 2548. http://www.m-hikari.com/ijma/ijma-2013/ijma-49-52-2013/index.html Indexing and abstracting: Cites per Doc: 0,459. SJR (SCImago Journal Rank): 0,339. H index: 14.
	7. Indarsih, Widodo, Indrati, Ch., R., Epected Value of Random Variable. Int. J. Appl. Mat. Stat. (IJAMAS), Ceser Publications India, 2013 , Vol.42, Inssue No.12.,273-280. ISSN 0973 1377(Print) dan 0973 7545 (Online). http://www.ceserp.com/cp-jour/index.php?journal=ijamas&page=issue&op=view&path%5B%5D=187
	8. Hariyanto, S., Aryati, L, Widodo, Generalized Nonhomogeneous Abstract Degenerate Cauchy Problem. Applied Mathematical Sciences (AMS), Hikari Ltd Bulgaria, 2013 , Vol. 7, no. 49, 2441–2453 http://www.m-hikari.com/ams/ams-2013/ams-49-52-2013/ index.html Indexing and

	abstracting: Cites per Doc: 0,412. SJR (SCImago Journal Rank): 0,368. H index: 23		
	9. Didik Khusnul Arif, D., K., Widodo, Salmah, and Apriliani, E., Construction of the Kalman Filter Algorithm on the Model Reduction. International Journal of Control and Automation (IJCA), Science & Engineering Research Support society Tasmania Australia, 2014 , Vol.7, No.9 (2014), 257-270. http://www.sersc.org/journals/IJCA/vol7_no9/22.pdf		
	10. Widodo, Muh.Tamimuddin H., Three Training Strategies for Improving Mathematics Teacher Competences in Indonesia 2015-2019 based on Teacher Competency Test (TCT) 2012-2014, Proceedings of the Nineteenth Asian Technology Conference in Mathematics Theme: Innovation and Technology for Mathematics Education, Published by Mathematics and Technology, LLC (http://mathandtech.org) Radford University USA, November 2014 , 104-1018. ISBN: 978-0-9821164-8-7 (hard copy) ISSN 1940-2279 (CD) ISSN 1940-4204 (online version)		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period
	Indonesian Mathematical Society (IndoMS)	President	2008-2012
	Governing Board SEAMEO (Southeast Asia Ministers of Education Organisation)- RECSAM (Regional Centre for Education in Science and Mathematics) Malaysia	Vice President	2016-2017
	CDEMTEP (Center for Development and Empowerment of Mathematics Teachers and Education Personals) Dept. of Education and Culture Indonesia	Director	2011-2015