



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 Website: matematika.fmipa.ugm.ac.id

Undergraduate Programme in Mathematics

Telp : +62 274 552243

Email : maths1@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	Budi Surodjo, Dr., MSi.		
Expertise	Algebra, Number Theory		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	1985
	Post Doctoral		
	Doctoral Degree	Universitas Gadjah Mada	2006
	Master Degree	Institut Teknologi Bandung	1995
	Undergraduate Degree	Universitas Gadjah Mada	1990
Employment		Employer	Period
	Instructor	Universitas Gadjah Mada	01-09-1999 -31-01-2002
	Assistant Professor	Universitas Gadjah Mada	01-02-2002-30-04-2007
	Associate Professor	Universitas Gadjah Mada	01-05-2007-now
	Full Professor	Universitas Gadjah Mada	
Research and development projects over the last 5 years	<p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Modul Terbangkit Modul Melalui Modul DPT atas Ring DPT” (An M-generated Module trough the generalized power series modules over the GPSR) Period : May-Oct 2012 Amount of financing : IDR. 10.000.000</p> <p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Modul bebas Linear (A Concept of Linearly Independent Modules trough the Generalized Power Series Ring) Period : May-Oct 2013 Amount of financing : IDR. 10.000.000</p> <p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Basis dan Modul Bebas (Konsep Basis dan Modul Bebas Melalui Gelanggang Deret Pangkat Tergeneralisasi)” (Bases and Free Modules (Concepts of Bases and Free Modules trough the Generalized Power Series Ring) Period : May-Oct 2014 Amount of financing : IDR. 10.000.000</p>		

	<p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Ideal Kiri Bebas Melalui Gelanggang Deret Pangkat Tergeneralisasi Skew” (Free Left Ideals via a Skew Generalized Power Series Ring) Period : March-August 2015 Amount of financing : IDR. 10.000.000</p> <p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Syarat Cukup Eksistensi Basis Ideal Kiri Bebas atas Ring Deret Pangkat tergeneralisasi” (Sufficient Conditions for The Existence of Bases of Free Left Ideals over a Generalized Power Series Ring) Period : May-Oct 2016 Amount of financing : IDR. 15.000.000</p> <p>Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project : “Syarat Cukup Eksistensi Subhimpunan Tertutup Multipikatif Terkecil T Dalam Ring R Yang Menyebabkan Gelanggang Deret Pangkat Tergeneralisasi Atas R Bersifat T- Nother” Period : April-Oct 2017 Amount of financing : IDR. 15,000,000</p>									
Industry collaborations over the last 5 years	<table border="1"> <tr> <td data-bbox="448 814 1421 940"> Project title : Olimpiade Nasional Matematika 2012 (National Mathematical Olympiad 2012) Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 940 1421 1087"> Project title : Tim Olimpiade Internasional Matematika 2012 (International Mathematical Olympiad 2012), Argentina Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1087 1421 1203"> Project title : Olimpiade Nasional Matematika 2013 (National Mathematical Olympiad 2013) Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1203 1421 1350"> Project title : Tim Olimpiade Internasional Matematika 2013 (International Mathematical Olympiad 2013), Colombia Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1350 1421 1476"> Project title : Olimpiade Nasional Matematika 2014 (National Mathematical Olympiad 2014) Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1476 1421 1591"> Project title : Olimpiade Nasional Matematika 2015 (National Mathematical Olympiad 2015) Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1591 1421 1738"> Project title : Tim Olimpiade Internasional Matematika 2015 (International Mathematical Olympiad 2015), Thailand Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1738 1421 1854"> Project title : Olimpiade Nasional Matematika 2016 (National Mathematical Olympiad 2016) Partners: Direktorat Pembinaan SMA Diknas, Jakarta </td> </tr> <tr> <td data-bbox="448 1854 1421 1879"> Project title : </td> </tr> </table>	Project title : Olimpiade Nasional Matematika 2012 (National Mathematical Olympiad 2012) Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Tim Olimpiade Internasional Matematika 2012 (International Mathematical Olympiad 2012), Argentina Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Olimpiade Nasional Matematika 2013 (National Mathematical Olympiad 2013) Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Tim Olimpiade Internasional Matematika 2013 (International Mathematical Olympiad 2013), Colombia Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Olimpiade Nasional Matematika 2014 (National Mathematical Olympiad 2014) Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Olimpiade Nasional Matematika 2015 (National Mathematical Olympiad 2015) Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Tim Olimpiade Internasional Matematika 2015 (International Mathematical Olympiad 2015), Thailand Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title : Olimpiade Nasional Matematika 2016 (National Mathematical Olympiad 2016) Partners: Direktorat Pembinaan SMA Diknas, Jakarta	Project title :
Project title : Olimpiade Nasional Matematika 2012 (National Mathematical Olympiad 2012) Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Tim Olimpiade Internasional Matematika 2012 (International Mathematical Olympiad 2012), Argentina Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Olimpiade Nasional Matematika 2013 (National Mathematical Olympiad 2013) Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Tim Olimpiade Internasional Matematika 2013 (International Mathematical Olympiad 2013), Colombia Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Olimpiade Nasional Matematika 2014 (National Mathematical Olympiad 2014) Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Olimpiade Nasional Matematika 2015 (National Mathematical Olympiad 2015) Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Tim Olimpiade Internasional Matematika 2015 (International Mathematical Olympiad 2015), Thailand Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title : Olimpiade Nasional Matematika 2016 (National Mathematical Olympiad 2016) Partners: Direktorat Pembinaan SMA Diknas, Jakarta										
Project title :										

	Tim Olimpiade Internasional Matematika 2016 (International Mathematical Olympiad 2016), Hongkong Partners: Direktorat Pembinaan SMA Diknas, Jakarta		
Patents and proprietary rights	Title		Year
Important publications over the last 5 years	Selected recent publications form a total of approx.: 2		
	Udjiani, T., Surodjo, B., and Wahyuni, S., <i>Generalized Moore Penrose Inverse in Rings with an Involution</i> , Far East Journal of Mathematical Sciences, Vol 92, 1(2014), 29-40		
	Ariyanti G., Suparwanto A., and Surodjo, B., <i>Necessary and Sufficient Conditions for The Solution of The Linear Balanced Systems in The Symmetrized Max Plus Algebra</i> , Far East Journal of Mathematical Sciences, Vol. 97, 2 (2015) 253-266		
Activities in specialist bodies over the last 5 years <i>(Membership without a specific role need not be mentioned)</i>	Organization	Role	Period