



UNIVERSITAS NEGERI PADANG
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES
 MATHEMATICS DEPARTMENT, MATHEMATICS STUDY PROGRAM
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Bachelor of Science in Mathematics

STAFF HANDBOOK

Name	Muhammad Subhan, M. Si.		
Expertise	Mathematics		
Academic Career	Initial Academic Appointment	Institution	Year
		Universitas Negeri Padang	1999
Academic Background	1. Post Doctoral	-	-
	2. Doctoral Degree	-	-
	3. Master Degree	Institut Teknologi Bandung	2003
	4. Undergraduate Degree	Institut Teknologi Bandung	1995
Employment	Position	Employer	Period
	Teaching Staff	Universitas Negeri Padang	01/03/1999-30/04/2003
	Asisten Ahli (Lecturer)	Universitas Negeri Padang	01/05/2003-31/08/2006
	Lektor (Assistant Professor)	Universitas Negeri Padang	01/09/2006-present
Research and development projects over the last 5 years	Source : UNP		
	Title : A Analisis Persamaan Diferensial Stokastik dalam Pemodelan Energi Angin sebagai Sumber Energi Alternatif di Provinsi Sumatera Barat		
	Period : 2019		
	Research Team : Muhammad Subhan, Riry Sriningsihi		
	Total Funding : IDR, 40,000,000		
	Source : UNP		
	Title : Analisis Perbandingan Penerapan Sistem Pajak Rendah, Pajak Tinggi, dan Gabungan Pajak dan Zakat dalam Menanggulangi Masalah Perekonomian		
	Period : 2017		
	Research Team : Muhammad Subhan, Dony Permana		
Total Funding : IDR, 15,000,000			
Source : UNP			
Title : Model Matematika Dinamika Populasi Kelompok Ekonomi Masyarakat di Negara yang Memiliki Pengelolaan Zakat			
Period : 2016			
Research Team : Muhammad Subhan			
Total Funding : IDR, 10,000,000			

Industry collaborations over the last 5 years	<ol style="list-style-type: none"> Project Title: Pelatihan Pengembangan Soal-Soal Higher Order Thinking Skill (HOTS) Untuk Guru Matematika Sekolah Menengah Pertama Di Kota Padang (2020) Project Title: Pengayaan Ipteks bagi Guru-guru SD se-Kecamatan Lubuk Sikaping Kabupaten Pasaman dalam Memahami Materi Matematika dan Merancang Soal Berbasis Literasi (2017) 										
	<ol style="list-style-type: none"> Project Title: Peningkatan Kompetensi Profesional dan Kemampuan Memvariasikan Soal pada MGMP Matematika SMA Pasaman Barat (2016) 										
Patents and proprietary rights	<table border="1"> <thead> <tr> <th data-bbox="451 426 1312 457">Title</th> <th data-bbox="1312 426 1461 457">Year</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 457 1312 583"> <ol style="list-style-type: none"> Published book: "Pengantar Matematika Aktuaria" Writer : Muhammad Subhan Publisher :- ISBN :- </td> <td data-bbox="1312 457 1461 583">2018</td> </tr> <tr> <td data-bbox="451 583 1312 699"> <ol style="list-style-type: none"> Published book: "Pengantar Analisis Real 1" Writer : Muhammad Subhan Publisher :- ISBN :- </td> <td data-bbox="1312 583 1461 699">2017</td> </tr> <tr> <td data-bbox="451 699 1312 804"> <ol style="list-style-type: none"> Published book: "Pengantar Dasar Matematika" Writer : Muhammad Subhan Publisher :- ISBN :- </td> <td data-bbox="1312 699 1461 804">2011</td> </tr> <tr> <td data-bbox="451 804 1312 919"> <ol style="list-style-type: none"> Published book: "Bahasa Inggris untuk Matematika" Writer : Muhammad Subhan Publisher :- ISBN :- </td> <td data-bbox="1312 804 1461 919">2018</td> </tr> </tbody> </table>	Title	Year	<ol style="list-style-type: none"> Published book: "Pengantar Matematika Aktuaria" Writer : Muhammad Subhan Publisher :- ISBN :- 	2018	<ol style="list-style-type: none"> Published book: "Pengantar Analisis Real 1" Writer : Muhammad Subhan Publisher :- ISBN :- 	2017	<ol style="list-style-type: none"> Published book: "Pengantar Dasar Matematika" Writer : Muhammad Subhan Publisher :- ISBN :- 	2011	<ol style="list-style-type: none"> Published book: "Bahasa Inggris untuk Matematika" Writer : Muhammad Subhan Publisher :- ISBN :- 	2018
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Important publications over the last 5 years	<p data-bbox="649 951 1243 982" style="text-align: center;">Selected recent publications form a total of approx.:</p> <ol style="list-style-type: none"> Jami, Sriningsih, , and Subhan (2013) Model Matematika Pencegahan Pertambahan Jumlah Perokok dengan Penerapan Denda UNP Journal of Mathematics Volume 2 Issue 1 http://ejournal.unp.ac.id/students/index.php/mat/article/view/1269 Sriningsih, Subhan, and Nasution. (2017) The Formation of Mathematical Models of TORCH Disease Transmission MATHEMATICS AND MATHEMATICS EDUCATION (ICM2E 2017), 322, http://ejournal.unp.ac.id/index.php/eksakta/article/view/5765/4498 Subhan (2018). A Mathematical Model of Economic Population Dynamics in a Country That Has Optimal Zakat Management. IOP Conference Series: Materials Science and IOP Publishing. Engineering Volume 335 Issue 1 Pages 012051. https://iopscience.iop.org/article/10.1088/1757-899X/335/1/012051/meta Yerizon, Putra, Subhan (2018) Mathematics Learning Instructional Development based on Discovery Learning for Students with Intrapersonal and Interpersonal Intelligence (Preliminary Research Stage). International Electronic Journal of Mathematics Education Volume 13 Issue 3 Pages 97-101 https://www.iejme.com/article/mathematics-learning-instructional-development-based-on-discovery-learning-for-students-with Sriningsih, Subhan, and Nasution. (2018) Mathematical Model of Cytomegalovirus (CMV) Disease IOP Conference Series Volume 335 Issue 1 Pages 012050 https://iopscience.iop.org/article/10.1088/1757-899X/335/1/012050/meta Yerizon, Putra, Subhan (2018) Student responses toward student worksheets based on discovery learning for students with intrapersonal and interpersonal intelligence. Materials Science and Engineering Volume 335 Issue 1 Pages 97-101 https://iopscience.iop.org/article/10.1088/1757-899X/335/1/012113/meta Sriningsih, Subhan, and Nasution. (2019) Analysis of torch deployment models. Journal of Physics: Conference Series Volume 1317 Issue 1 Pages 012013 https://iopscience.iop.org/article/10.1088/1742-6596/1317/1/012013/meta 										

	Organization	Role	Period
Activities in specialist bodies over the last 5 years (<i>Membership without a specific role need not be mentioned</i>)	Indonesian Mathematical Society	Member	2011-now