



**UNIVERSITAS NEGERI PADANG**  
**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**  
**JURUSAN MATEMATIKA PROGRAM STUDI PENDIDIKAN**  
**MATEMATIKA**

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**Bachelor of Education in Mathematics**

**STAFF HANDBOOK**

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 Website :

Name	Drs. Hendra Syarifuddin, M.Si, Ph.D		
Post	Algebra, Mathematics Educations		
Academic career	<b>Initial academic appointment</b>	<b>Institution</b>	<b>Year</b>
		Universitas Negeri Padang	1994
Academic Background	1. Undergraduate Degree	Universitas Negeri Padang	1992
	2. Master Degree	Institut Teknologi Bandung	1998
	3. Doctoral Degree	Curtin University	2013
Employment	<b>Position</b>	<b>Employer</b>	<b>Period</b>
	1. Asisten Ahli Madya	Universitas Negeri Padang	1994-1999
	2. Asisten Ahli	Universitas Negeri Padang	1999-2005
	3. Lektor	Universitas Negeri Padang	2005
	4. Lektor Kepala	Universitas Negeri Padang	2005- Now
Research and development projects over the last 5 years	1. <i>Name of project or research focus :</i> <i>"Development of Constructivism-Based Learning Models for Junior High School Mathematics Learning with a Scientific Approach (year I)"</i> <i>Period : 2017</i> <i>Partners : PNBPN UNP</i> <i>Amount of financing : IDR 43.000.000,00.</i>		
	2. <i>Name of project or research focus :</i> <i>"Development of Constructivism-Based Learning Models for Junior</i>		

	<p><i>High School Mathematics Learning with a Scientific Approach (year II)</i></p> <p>Period : 2018</p> <p>Partners : PNBP UNP</p> <p>Amount of financing : IDR 40.000.000,00.</p>	
Industry collaborations or community services over the last 5 years	<p>1. Project title :  <i>"Increasing the Ability of Teachers of SMKN 2 Guguk District in Conducting Classroom Action Research Using Contemporary Learning Models"(2017)</i>  Partners:PNBP UNP</p>	
	<p>2. Project title :<i>"Improving the Ability of SMAN 2 Lubuk Sikaping Teachers in Implementing Constructivism-Based Learning Models in Action Research"(2018)</i>  Partners:PNBP UNP</p>	
	<p>3. Project title : <i>Increasing the ability of SMAN 2 Painan does model based PTK contemporary teaching (2019)</i>  Partners : PNBP UNP</p>	
Patents and proprietary rights	<b>Title</b>	<b>Year</b>
	1.	
	2.	
Important publications over the last 5 years	<p>1. Putra, Aan., Syarifuddin, Hendra. <i>Analysis of Student Worksheet Development Needs Invention-Based Guided Discovery Class VIII Junior High School. 2018. Journal of Mathematics and Science Education, 6(1), 39-49</i></p>	
	<p>2. Zulaikha, Siti., Syarifuddin, Hendra. <i>Development of Learning Devices Based on Constructivism Approach to Improve Mathematical Communication Skills of Grade VIII Junior High School.2018. Atlantis Press Advance in Social Science Education and Humanities Research, 285</i></p>	
	<p>3. Holomoan., Syarifuddin, Hendra., Suryana, Dadan. <i>Improvement of Motivation and Ability to Solve Problem in Mathematics Learning Using Problem Solving Method in Class VI SDN 07 Koto Alam Kecamatan Palembang.2018. International Journal of Educational Dynamics, Vol. I No. 2, 308-311</i></p>	
	<p>4. Putri, Marta Siska., Syarifuddin, Hendra. <i>Mathematics Learning Tools Development Based on Guided Discovery Model to Improve Student's Problem Solving Ability. 2018. Atlantis Press : Advance in Social Science Education and Humanities Research, 285</i></p>	
	<p>5. Syarifuddin, H. <i>The Effect of Using Concept Maps in Elementary LinearAlgebra Course on Students' Learning. 2018. IOP Conf. Series: Material Science and Engineering 335</i></p>	

6. Putra, Aan., Syarifuddin, Hendra., Zulfa. *The Validity of Guided Invention-Based Student Worksheets in an Effort to Improve Concept Understanding and Mathematical Reasoning Ability*. 2018. *Edumatika Jurnal Riset Pendidikan Matematika*. Vol.1, No. 2, 56-62

7. Yeni, Yuvita Rama., Syarifuddin, Hendra., Ahmad, Riska. *The effect of contextual teaching and learning approach and motivation of learning on the ability of understanding the mathematics concepts of grade V student*. 2019. *IOP Conf. Series: Earth and Environmental Science* 314

8. Sari, Guswita., Gistituati, Nurhizrah., Syarifuddin, Hendra. *The Effect of Discovery Learning Method Toward Student' Ability Understanding Math Concept*. 2019. *International Journal of Educational Dynamics*, Vol. 1 No. 2, 54-60

9. Suhernisa., Solfema., Fitria, Yanti., Syarifuddin, Hendra. *The Effect Of Problem Based Learning And Motivation Models On Student Learning Outcomes In Mathematical Learning In Class Iv Elementary School*.2019. *International Journal of Educational Dynamics*, Vol. 1 No. 2, 79-86

10. Johari, Fatimah Putri., Murni, Dewi., Syarifuddin, Hendra. *Modification of the Multiprima RSA Cryptographic Algorithm using Chinese Remainder Theorem and Garner's Algorithm*.

11. AlHusain.i, Syarifuddin,Hendra.,Usmadi. *The Practicality of Learning Devices Cooperative Models Based on Blended Learning to Improve Learning Outcomes of 10<sup>th</sup>-Grade MA Students*. 2019. *International Journal of Trends in Mathematics Education Research*, Vol. 2 No. 3, 157-160

12. Sari, Guswita., Gistituati, Nurhizrah., Syarifuddin, Hendra. *The Effect of Guided Discovery Learning Methods on Mathematical Communication Ability of Elementary School Students*. 2019. *Jurnal Basicedu*, Vol. 3No. 2, 696

	<b>Organisation</b>	<b>Role</b>	<b>Period</b>
Activities in specialist bodies over the last 5 years ( <i>Membership without a specific role need not be mentioned</i> )			

