



UNIVERSITAS PENDIDIKAN INDONESIA
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES EDUCATION
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STAFF HANDBOOK

Name	Hera Novia				
Position	Physics Education				
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>		
		Assistant Professor, Department of Physics Education of Universitas Pendidikan Indonesia	2009-Now		
	<i>Habilitation [German post-doctoral qualification] (Subject)</i>	<i>Institution</i>	<i>Year</i>		
		-	-		
	<i>Doctorate (Subject)</i>	<i>Institution</i>	<i>Year</i>		
	Universitas Pendidikan Indonesia	2010-2018			
	<i>Master degree (subject)</i>	<i>Institution</i>	<i>Year</i>		
	Institut Teknologi Bandung	2001-2003			
	<i>Undergraduate degree (subject)</i>	<i>Institution</i>	<i>Year</i>		
	Universitas Padjadjaran	1988-1992			
Employment	<i>Position</i>	<i>Employer</i>	<i>Year</i>		
	Lecturer	Dean	2001-Now		
Research and development projects over the last 5 years	<i>Name of project or research focus</i>				
	<i>Period and any other information</i>				
	<i>Partners, if applicable</i>				
	<i>Amount of financing</i>				
	No	Year	Title of Research Project	Financing	
				Sources	
				Amount (Million Rp)	
	1	2020	Pengembangan Model Pembelajaran ICARE dengan Multimedia Based Integrated Instruction dalam Pembelajaran Fisika untuk Membangun Keterampilan Abad 21 Siswa SMA	Kemdikbud Ristek Dikti	108
	2	2019	Optimasi Pengembangan dan Implementasi MBIZ dalam Pembelajaran Sains melalui CAI untuk Mengembangkan Keterampilan Abad 21 Siswa	Kemdikbud Ristek Dikti	208
	3				
Industry collaborations over the last 5 years					



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Patents and proprietary rights	No.	Title	Type	Year															
	1	Perangkat Pembelajaran Topik Momentum Dan Impuls Kelas X SMA Dengan Menggunakan Interactive Conceptual Instruction (ICI) Dengan Bantuan Simulasi Komputer	Proprietary rights	2020															
	2	Program Simulasi Gerak Harmonik Sederhana (Sistem Pegas-Massa Di Ruang Hampa , Sistem Benda Bergetar Di Permukaan Fluida Dan Bandul Sederhana Di Ruang Hampa	Proprietary rights	2019															
Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. (give total number): 5 Publications (Scopus Indexed)</i> <i>Author(s)</i> <i>Title</i> <i>Any other information</i> <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i></p> <table border="1"> <thead> <tr> <th>No</th> <th>Publication</th> <th>Author (s)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Development of MBI2 as interactive media in order to enhance scientific communication skills in global warming subject Journal of Physics: Conference Series 1280 (2019) 052019 IOP Publishing doi:10.1088/1742-6596/1280/5/052019</td> <td>A R N Firmansyah, D T Chandra, I Kaniawati, A Samsudin, H Novia and P Siahaan</td> </tr> <tr> <td>2</td> <td>Collaboration skills-based multimedia-based integrated instruction (CS-MBI2): a development study on refraction concept Journal of Physics: Conference Series 1280 (2019) 052034 IOP Publishing doi:10.1088/1742-6596/1280/5/052034</td> <td>Y C Setiawan, A Samsudin, E Suhendi, H Novia, I Kaniawati, D T Chandra and P Siahaan</td> </tr> <tr> <td>3</td> <td>The development of metacognitive awareness related to the implementation of metacognitive-based learning IOP Conf. Series: Journal of Physics: Conf. Series 1170 (2019) 012034 IOP Publishing doi:10.1088/1742-6596/1170/1/012034</td> <td>H Novia, I Kaniawati² , A Rusli³ and D Rusdiana</td> </tr> <tr> <td>4</td> <td>Analyzing Students Responses To Construct Open Ended Question To Assess Scientific Creative And Critical Thinking (SCCT-Test) Related To Hydrostatic Pressure</td> <td>Rusnayati H*, Oktavianti N , Novia H , Saepuzaman D , Feranie S</td> </tr> </tbody> </table>				No	Publication	Author (s)	1	Development of MBI2 as interactive media in order to enhance scientific communication skills in global warming subject Journal of Physics: Conference Series 1280 (2019) 052019 IOP Publishing doi:10.1088/1742-6596/1280/5/052019	A R N Firmansyah, D T Chandra, I Kaniawati, A Samsudin, H Novia and P Siahaan	2	Collaboration skills-based multimedia-based integrated instruction (CS-MBI2): a development study on refraction concept Journal of Physics: Conference Series 1280 (2019) 052034 IOP Publishing doi:10.1088/1742-6596/1280/5/052034	Y C Setiawan, A Samsudin, E Suhendi, H Novia , I Kaniawati, D T Chandra and P Siahaan	3	The development of metacognitive awareness related to the implementation of metacognitive-based learning IOP Conf. Series: Journal of Physics: Conf. Series 1170 (2019) 012034 IOP Publishing doi:10.1088/1742-6596/1170/1/012034	H Novia , I Kaniawati ² , A Rusli ³ and D Rusdiana	4	Analyzing Students Responses To Construct Open Ended Question To Assess Scientific Creative And Critical Thinking (SCCT-Test) Related To Hydrostatic Pressure	Rusnayati H*, Oktavianti N , Novia H , Saepuzaman D , Feranie S
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		IOP Conf. Series: Journal of Physics: Conf. Series 1204 (2019) 012049 IOP Publishing doi:10.1088/1742-6596/1204/1/012049	
	5	Reducing Eleventh-Grade Students' Misconceptions on Gravity Concept using PDEODE*E-Based Conceptual Change Model IOP Conf. Series: Journal of Physics: Conf. Series 1204 (2019) 012026 IOP Publishing doi:10.1088/1742-6596/1204/1/012026	A Zulfikar , D Saepuzaman, H Novia , A H Setyadin , D S Jubaedah, F N Sholihat , M H Muhaemin , N F Afif , N J Fratiwi , S S Bhakti , S A Amalia , S R Hidayat1, Z Nursani , N Hermita , B Costu , and A Samsudin
Activities in specialist bodies over the last 5 years	Organization		
	Physical Society of Indonesia		Member
			2015 - Now
* <i>Membership without a specific role need not be mentioned</i>			