



STAFF HANDBOOK

Name	HARRY FIRMAN (PhD – Chemistry Education)		
Position	<i>Teaching area and designation</i> ASSESSMENT IN CHEMISTRY EDUCATION & PROBLEMATICS IN TEACHING SCHOOL CHEMISTRY, FOR MASTER'S DEGREE STUDENTS		
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>
	ASSISTANT LECTURER	INDONESIA UNIVERSITY OF EDUCATION	1997
	<i>Habilitation [German post-doctoral qualification] (Subject)</i>	<i>institution</i>	<i>Year</i>
	PROGRAM EVALUATION OF SCIENCE EDUCATION	INDONESIA UNIVERSITY OF EDUCATION	2012
	<i>Doctorate (Subject)</i>	<i>institution</i>	<i>Year</i>
ASSESSMENT IN CHEMISTRY EDUCATION	INDONESIA UNIVERSITY OF EDUCATION	2012	
<i>Undergraduate degree (subject)</i>	<i>institution</i>	<i>Year</i>	
TEACHING AND LEARNING CHEMISTRY. ASSESSMENT IN CHEMISTRY EDUCATION.	INDONESIA UNIVERSITY OF EDUCATION	1997	
Employment	<i>Position</i>	<i>Employer</i>	<i>Year</i>
	ASSISTANT LECTURER	PROF. GARNADI	1981
	JUNIOR LECTURER	PROF. NU'MAN SUMANTRI	1990
	SENIOR LECTURER	PROF. ABDUL KADIR	1999
Research and development projects over the last 5 years	<i>Name of project or research focus</i> DEVELOPMENT OF SCIENCE VIRTUAL TEST FOR ASSESSING CRITICAL THINKING IN SCIENCE		
	<i>Period and any other information</i> 2012 - 2017		
	<i>Partners, if applicable</i> SCHOOL TEACHERS		
	<i>Amount of financing</i> USD 1000 (FORM DIRECTORAT GENERAL OF HIGHER EDUCATION)		
Industry collaborations over the last 5 years	<i>Title</i> NONE		
Patents and proprietary rights	<i>Title</i> SCIENCE VIRTUAL TEST (SVT) for ASSESSING CRITICAL THINKING IN SCIENCE (IP REGISTRATION # 000130806)		2015
	VIRTUAL LAB FOR STEM EDUCATION (IP REGISTRATION # 000082172)		2016



Important publications over the last 5 years	<p><i>Selected recent publications from a total of approx. (give total number):</i></p> <p>#1 <i>Author(s)</i> HARRY FIRMAN <i>Title</i> DIAGNOSING WEAKNESSES OF INDONESIAN STUDENTS' LEARNING <i>Any other information</i> CHAPTER 5 OF BOOK ENTITLED "WHAT CAN PISA DATA TELL US?: PERFORMANCE AND CHALLENGES IN FIVE PARTICIPATING SOUTHEAST ASIAN COUNTRIES" <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i> SENSE PUBLISHER, ROTTERDAM (THE NETHERLAND), 2016, PP. 63-80</p> <p>#2 <i>Author</i> HARRY FIRMAN <i>Title</i> CERTAINTY AND UNCERTAINTY IN SCIENCE <i>Any other information</i> A JOURNAL ARTICLE <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i> INDONESIAN JOURNAL OF PHILOSOPHY, SINGARAJA-BALI, 2019, Vol 2, No 1, PP. 33-36</p>									
Activities in specialist bodies over the last 5 years	<table border="1"><thead><tr><th><i>Organization</i></th><th><i>Role</i></th><th><i>Period</i></th></tr></thead><tbody><tr><td>SEAMEO QITEP IN SCIENCE</td><td>EXPERT</td><td>2020-2021</td></tr><tr><td></td><td></td><td></td></tr></tbody></table> <p><i>*Membership without a specific role need not be mentioned</i></p>	<i>Organization</i>	<i>Role</i>	<i>Period</i>	SEAMEO QITEP IN SCIENCE	EXPERT	2020-2021			
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