



UNIVERSITAS NEGERI JAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
CHEMISTRY STUDY PROGRAM

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STAFF HANDBOOK



Dr. Achmad Ridwan, M.Si

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Name	Dr. Achmad Ridwan, M.Si.
Position	Lecturer in Chemistry Education
Academic Career	<ol style="list-style-type: none">1. Bachelor's degree (Chemistry Education), IKIP Jakarta, Indonesia2. Master's degree (Physical Chemistry), Universitas Gajah Mada, Indonesia3. Doctoral degree (Educational Research and Evaluation), Universitas Negeri Jakarta, Indonesia
Employment	Lecturer, Master's Program in Chemistry Education, Faculty of Mathematics and Natural Sciences, Universitas Negeri Jakarta, Jakarta 13220, Indonesia
Research and Development project over the last 5 years	<ol style="list-style-type: none">1. Development of Cycle Learning Model Based on Brain Based Learning to Overcome Student Misconceptions in Chemical Learning, 20182. Analysis of Misconceptions of Prospective Chemistry Teacher Students on The Concept of Acid Bases: Laboratory Jargon, 20183. Development of Students' 21st Century Skills Through Student Mobility in International Multidisciplinary Project Based Learning, 20174. Student Character and Cultural Identity Development Through Ethnochemi Integrated Culturally Responsive Teaching Learning Model Integrated with Ethnochemistry, 2017-20185. 21st Century Skills Development Through STEAM Learning Models (Science, Technology Engineering, Art, and Mathematics)

	<p>on Chemistry Learning, 2017-2018</p> <ol style="list-style-type: none"> 6. Development of Multicultural-Based Chemical Learning Strategies Based on Mental Analysis of Student Models With Differences in Cultural Background, 2016 7. Mental Model Analysis of Prospective Chemistry Teachers in Chemistry Curriculum Study Courses, 2016 8. Development of Socio-Critical and Problem Oriented Based Chemistry Learning Model as An Effort to Develop Students' Soft Skills in Chemical Learning, 2015 9. Development of Green Chemistry Course Design, Curriculum, and Materials Teaching Using The Foundation of Tranformative Learning and Education as Sustainability, 2014 						
Industry collaboration over the last 5 year	<ol style="list-style-type: none"> 1. Culture-Based Learning Training in Serang, 2018 2. Class Action Research Research Training in Tanjung Pandang Village, Belitung, 2106 3. Curriculum 2013 Learning Model Research Training in Wonosobo, 2015 4. Community Service Department of Chemistry UNJ in Pramuka Island, Kepulauan Seribu Administrative District, 2014 5. Detection of Synthetic Dyes (Rhodamine B and Methanyl Yellow) in Food and Counseling Hazards for Public Health in Mothers of Al-Manah Haji Ten Kindergarten Foundation, East Jakarta, 2013 6. Community Service Department of Chemistry UNJ in Pramuka Island, Kepulauan Seribu Administrative District, 2013 7. Raising the Funds for the Komite Bersama Peduli kemanusiaan (KBPK)/Joint Committee for Humanitarism, Perth, Western Australia, 2006-2013 8. Community Service Department of Chemistry UNJ in Pramuka Island, Kepulauan Seribu Administrative District, 2014 						
Patents and proprietary rights	<p>IPRs Link: https://sinta.kemdikbud.go.id/authors/profile/6139505/?view=iprs</p>						
Important publications over the last 5 years	<p>Publication Link: https://sinta.kemdikbud.go.id/authors/profile/6139505</p>						
Activities in specialist bodies over the last 5 years	<table border="1"> <thead> <tr> <th>Organization</th> <th>Role</th> <th>Period</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Organization	Role	Period			
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