



UNIVERSITAS NEGERI YOGYAKARTA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY EDUCATION
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Bachelor of Education in Chemistry

MODULE HANDBOOK

Module name:	Chemistry Education Research Review
Module level, if applicable:	Undergraduate
Code:	MPK 6213
Sub-heading, if applicable:	-
Classes, if applicable:	1
Semester:	Even
Module coordinator:	Dr. Das Salirawati
Lecturer(s):	Sukisman Purtadi, S.Pd.,M.Pd.
Language:	English, Indonesia
Classification within the curriculum:	Compulsory Course
Teaching format / class hours per week during the semester:	100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study.
Workload:	Total workload is 90.67 hours per semester which consists of 100 minutes lectures, 120 minutes structured activities, and 120 minutes individual study per week for 16 weeks.
Credit points:	2SKS (3.28ECTS)
Prerequisites course(s):	-
Course Outcomes	After taking this course the students have ability to: CO1. submit the topic of chemical education research without plagiarism CO2. select and analyze journals according to the topics of both domestic and foreign journals related to chemistry education CO3. analyze journals and write journal review reports according to selected chemistry education research topics
Content:	This course provides students the ability to choose and analyze journals in accordance with the topics of both local and international journals related to chemistry education.
Study / exam achievements:	Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude. The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude. The final mark will be weight as follow:

	No	CO	Assessment Object	Assessment Technique	Weight
	1	CO1, CO2, CO3	Activities Assignments Final Exam	Presentation / written test	15% 65% 20%
	Total				100%
	Forms of media:				
Literature:	Board, LCD Projector, Laptop/Computer Books: Efron, S.E., & Ravid, R. (2019) Writing the literature review : A practical guide. The Guilford Press Gastel, B, & Day, R.A. (2016) How to Write and Publish a Scientific Paper-GreenWood Harris, D.J. (2020). Literature Review And Research Design: A Guide To Effective Research Practice. Routledge Weaver, M.B. (2019). How To Write Qualitative Research. Routledge International Journal Articles Lawrie, G.A., Graulich, N., Kahveci, A., & Lewis, S.E. (2020). Steps towards publishing your thesis or dissertation research: avoiding the pitfalls in turning a treasured tome into a highly-focussed article for CERP. Chem. Educ. Res. Pract., 2020,21, 694-697. https://doi.org/10.1039/D0RP90007A Flaherty, A.A. (2020). A review of affective chemistry education research and its implications for future research. Chem. Educ. Res. Pract., 2020,21, 698-713 https://doi.org/10.1039/C9RP00200F				

PLO and CO mapping

	PLO					
	Attitude		Knowledge	Specific Skill	General Skill	
	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6
CO1	√					
CO2			√			
CO3					√	