



UNIVERSITAS SEBELAS MARET
FACULTY OF TEACHER TRAINING AND EDUCATION
SCIENCE EDUCATION STUDY PROGRAM

Jl Ir. Sutami No 36A Ketingan Surakarta 57126
Telephone (0271) 669124, Facsimile (0271) 648939
Website: <http://ipa.fkip.uns.ac.id>, Email: ipa@fkip.uns.ac.id

Module Handbook

Module Name	Etnosains (Ethnoscience)										
Module Level	Undergraduate Program										
Code, if applicable	02233152010										
Date created	July 25 th , 2020										
Date updated	January 30 th , 2023										
Sub-title, if applicable											
Courses, if applicable	-										
Semester(s) in which the module is taught	6 th										
Module coordinator(s)	Dr. Riezky Maya Probosari S.Si., M.Si.										
Lecturer(s)	Febriani Sarwendah Asri Nugraheni M.Pd. Icha Kurnia Wati S.Pd., M.Pd										
Language	Bahasa Indonesia (Indonesian Language)										
Course Classification	Compulsory Course / Elective Studies										
Teaching format/class hours per week during semester	Direct instruction/face to face/blended learning: 2 x 50 minutes / Week: lecture, discussion Structured Activity: 2 x 60 minutes / Week (Through the case method with analysis of journal articles, students learn recent development in selected topics, students can also explore the problems in chemistry learning by interviewing the teachers in Senior High School) Self-study Activity: 2 x 60 minutes / Week (Students learn various sources regarding the topics discussed during the class)										
Workload	<table><tr><th>Type</th><th>CSU</th><th>Face to Face</th><th>Structured Activity</th><th>Self-study</th></tr><tr><td>T</td><td>2</td><td>26.7h (0.88 ECTS)</td><td>32h (1.06 ECTS)</td><td>32h (1.06 ECTS)</td></tr></table> <p>Note: 1 hour equals with 0.033 ECTS</p> <p>The workload hours including the examination and preparation</p>	Type	CSU	Face to Face	Structured Activity	Self-study	T	2	26.7h (0.88 ECTS)	32h (1.06 ECTS)	32h (1.06 ECTS)
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T	2	26.7h (0.88 ECTS)	32h (1.06 ECTS)	32h (1.06 ECTS)							
Credit Points	2 CSU (3 ECTS)										
Requirements	-										
Learning goals/competencies	PLO 3 Demonstrate pedagogical knowledge of designing, implementing, evaluating learning										



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	<p>PLO 10 Are able to communicate both oral and written effectively in scientific community</p> <p>PLO 13 Demonstrate human, cultural values and attitudes in professional-related task</p> <p>CLO 1 Students are able to demonstrate the ability of analyzing indigenous knowledge, value, culture and its relationship to the modern science and science learning</p> <p>CLO 2 Students are able to conduct a group research in context of local wisdom</p> <p>CLO 3 Students are able to exhibit the creativity, confidence, and responsibility during project presentation</p>
Content	<p>Students are expected to understand:</p> <ol style="list-style-type: none"> 1. Local wisdom, 2. Local potential 3. Knowledge, 4. Ethnobotany, 5. Ethno-Pedagogy, 6. Indigenous Knowledge, 7. Indigenous Value, 8. Culture, 9. Ethno-chemistry <p>In this course students conduct mini research in finding indigenous knowledge through investigation in students' hometown</p>
Attribute Soft skill	Students can solve problems in the field of study studied



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Study/exam achievements	<p>Student is required to attend the face-to-face lecture minimum 75% to be able to take Mid and Final exam. It is considered to complete the course and pass if student obtain at least 60% of maximum final score. The final score (FS) is calculated based on the following ratio:</p> <table border="1"> <thead> <tr> <th>Aspect</th><th>(%)</th></tr> </thead> <tbody> <tr> <td>Participant Activity (Case Method)</td><td>25</td></tr> <tr> <td>Project (Team Based Project)</td><td>67</td></tr> <tr> <td>Task</td><td>5</td></tr> <tr> <td>Quiz</td><td>0</td></tr> <tr> <td>Mid-Term Test</td><td>3</td></tr> <tr> <td>Final Exam</td><td>0</td></tr> <tr> <td>Final Score</td><td>100</td></tr> </tbody> </table>	Aspect	(%)	Participant Activity (Case Method)	25	Project (Team Based Project)	67	Task	5	Quiz	0	Mid-Term Test	3	Final Exam	0	Final Score	100
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Forms of Media	SPADA/Zoom/, Journal's articles																
Reference:	<ol style="list-style-type: none"> Agung, D.A.G., Nasih, A.M., Sumarmi., Idris., & Kurniawan, B. (2024). Local wisdom as a model of interfaith communication in creating religious harmony in Indonesia. <i>Social Sciences & Humanities Open</i>, 9, 1-11 Agriculture Division of PPLH Seloliman, Practical Guide to Determining When to Plant According to Pranoto Mongso,, https://www.pplhselo.or.id/wp-content/uploads/2018/02/LIFLET-PRANOTO-MONGSO-PERTANIAN-2018.pdf, 2018 Gratani, M , Indigenous environmental values as human values, , Cogent Social Sciences,, 2, 1, 2016. Sudarmin, Character education, ethnoscience and local wisdom, FMIPA Semarang State University, 2014 Lanzano, C , , What kind of knowledge is 'indigenous knowledge'? Critical insights from a case study in Burkina, Faso, Transcience, , 4, 2, 2013 Maweu, J, M. , Indigenous Ecological Knowledge and Modern Western Ecological Knowledge: Complementary, not Contradictory. Thought and Practice, , Journal of the Philosophical Association of Kenya (PAK),, African Journals Online, 3, 2, 2011, Shaw, R. Yukiko, T. Noralene, U. Anshu, S. , 																



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	<p>Indigenous knowledge disaster risk reduction: Policy note, , , , 2009, UNISDR Asia Pacific, https://www.researchgate.net/publication/260639798_Indigenous_knowledge_disaster_risk_reduction_Policy_note</p> <p>8. Dudgeon, R, C. & Fikret, B, , Nature Across Culture, Springer, , , 2003, https://link.springer.com/book/10.1007/978-94-017-0149-5#toc</p>
Notes	Scheduled instruction in a classroom (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 03/2020.

PLO and CLO Mapping

	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14
CL O 1			√											
CL O 2										√				
CL O 3													√	

Assessment

Presentation Assessment Rubric

No	Component	Score	Criteria
1	Conformity of the contents of the resume with the things presented	1	Resume and presentation do not match
		2	Resume and presentation are not the same but mostly contain the main points
		3	Resume and presentation contain the same material
2	Group cooperation	1	Only 1 group member working on resume and powerpoint
		2	75% of group members work on resumes and



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			groups
		3	All group members work on making resumes and powerpoints
3	Discussion behavior	1	Not respecting other people's opinion at all
		2	Listening to opinions but not with good behavior
		3	Respect other people's opinion
4	Active in discussion	1	Don't take part in the discussion at all
		2	Active in discussion if appointed by the lecturer
		3	Active in discussion
5	Mastery of concepts/problem solving	1	Not mastering the concept at all, the answer is always incorrect, and or the problem solving is not clear
		2	Mastering some concepts, answers are sometimes incorrect or some problem-solving concepts are not appropriate
		3	Very mastery of concepts, answers are often correct, and the results of problem solving are logical and precise

Presentation Assessment Rubric

Name :

NIM :

No	Assessment Aspect	Assessment criteria	Maximum Score	Assessment
1	Presentation	Preparation	10	
		Material order	15	
		Use of other tools/media	10	



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2	Presentation Script	Conformity with the proposal/paper	10	
		Slide composition	10	
3	Exposure	Use of standard language	15	
		Clarity of presentation content	15	
4	Attitude	Submission of materials	10	
		Appearance	5	
	TOTAL		100	