

6.4.6. Research 1 and Seminar of Result Phase 1

Module designation	Research 1 and Seminar of Result Phase 1
Code, if applicable	C IL 2 3 834
Semester(s) in which the module is taught	3rd
Person responsible for the module	Head of Study Program; Principal Supervisor & Co Supervisor
Language	<i>Indonesian and English</i>
Relation to curriculum	<i>Compulsory</i>
Teaching methods	<i>Progress Report, Presentation, Discussion.</i>
Type of teaching, contact hours	<ul style="list-style-type: none"> • Discussion with Principal Supervisor (32 hours, 2 hours weekly for 16 weeks). • Discussion with Co-Supervisor (32 hours, 2 hours weekly for 16 weeks). • Independent work on reading materials and literature review (± 130 hours, 8.1 hours weekly for 16 weeks) • Developing research proposal (160 hours, 10 hours weekly for 16 weeks). • Preparing progress report (32 hours, 2 hours weekly for 16 weeks). • Preparing presentation materials (32 hours, 2 hours weekly for 16 weeks). • Preparing manuscript and conference (32 hours, 2 hours weekly for 16 weeks). <p>Total hours in 1 semester = 450 hours</p>
Workload	<ul style="list-style-type: none"> • Regular meeting with supervisor and co supervisor • Creating research proposal • Progress report and presentation • Initial stage to prepare manuscript and conference
Laboratory Work	Students taking this course have the chance to utilize the laboratory within the Diponegoro University according to each student's research needs
Credit points	<i>4 SKS which equivalent to 18 ECTS</i>
Requirements according to the examination regulations	<i>Participate in monitoring and evaluating progress of the preparation of the dissertation organized by the Study Program; Collecting of portfolio of progress report for dissertation.</i>

Required and recommended prerequisites for joining the module	<i>Existing competencies in literature review and scientific writing.</i>
Module objectives/intended learning outcomes	<ul style="list-style-type: none"> - <i>Able to compile research plan.</i> - <i>Able to compile proposal dissertation.</i>
Content	<i>Concepts of Abiotic, Biotic and Culture at dissertation research in the field of environmental science; Problem statements in dissertation research; Formulation of objectives; Formulation of research hypotheses; Literature Review; Originality of dissertation research; State of the art and novelty; Research methodology in dissertation research; Objects and variables of dissertation research; Portfolio of progress reports of the dissertation proposal.</i>
Exams and assessment formats	<i>Mid-semester progress report assessment, final progress report assessment.</i>
Study and examination requirements	<i>The final grade in the module is composed of 80% performance on portfolio of progress reports, 20% participation in monitoring and evaluating. Students must submit a portfolio of progress reports and a draft dissertation according to the targeted stages as a minimum achievement to pass.</i>
Reading list	<p>Modul of Writing Dissertation DES</p> <p>Kasperson, J. X., Kasperson, R. E., Turner, B. L., Hsieh, W., & Schiller, A. (2022). Vulnerability to Global Environmental Change. In the Social Contours of Risk (pp. 245-285). Routledge.</p> <p>Louv, R., & Fitzpatrick, J. W. (2012). Citizen Science: Public Participation in Environmental Research. Cornell University Press.</p> <p>Pohl, C. (2005). Transdisciplinary Collaboration in Environmental Research. <i>Futures</i>, 37(10), 1159-1178.</p> <p>Svarstad, H., Petersen, L. K., Rothman, D., Siepel, H., & Wätzold, F. (2008). Discursive Biases of the Environmental Research framework DPSIR. <i>Land use policy</i>, 25(1), 116-125.</p>