

## 8. Research 2 dan Seminar of Result Phase 2

<b>Module designation</b>	Research 2 dan Seminar of Result Phase 2
<b>Code, if applicable</b>	C IL 2 3 842
<b>Semester(s) in which the module is taught</b>	4 <sup>th</sup>
<b>Person responsible for the module</b>	Head of Study Program; Principal Supervisor & Co Supervisor
<b>Language</b>	<i>Indonesian and English</i>
<b>Relation to curriculum</b>	<i>Compulsory</i>
<b>Type of teaching, contact hours</b>	<ul style="list-style-type: none"> <li>• Discussion with Principal Supervisor (32 hours, 2 hours weekly for 16 weeks)</li> <li>• Discussion with Co Supervisor (32 hours, 2 hours weekly for 16 weeks)</li> <li>• Developing data collection strategy (160 hours, 10 hours weekly for 16 weeks)</li> <li>• Developing data analysis strategy (144 hours, 9 hours weekly for 16 weeks)</li> <li>• Preparing progress report (<math>\pm</math>50 hours, 3.2 hours weekly for 16 weeks)</li> <li>• Preparing presentation materials (32 hours, 2 hours weekly for 16 weeks)</li> </ul> <p>Total hours in 1 semester = 450 hours</p>
<b>Student Workload for One ECTS</b>	<ul style="list-style-type: none"> <li>• Face-to-face discussion with Principal Supervisor (1.78 hours)</li> <li>• Face-to-face discussion with Co-Supervisor (1.78 hours)</li> <li>• Developing research conceptual and pathway framework in data collection (8.89 hours)</li> <li>• Developing research conceptual and pathway framework in data analysis (8.89 hours)</li> <li>• Preparing progress report (improvements, challenges, constraints, etc.: 2.78 hours)</li> <li>• Preparing presentation materials for discussion with supervisors (1.78 hours)</li> </ul> <p>Total workload for one ECTS: 25 hours</p>
<b>Laboratory Work</b>	Students taking this course have the chance to utilize the laboratory within the Diponegoro University according to each student's research needs
<b>Credit points</b>	<i>3 SKS which equivalent to 18 ECTS</i>

<b>Requirements according to the examination regulations</b>	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.
<b>Required and recommended prerequisites for joining the module</b>	Existing competencies in research methodology and scientific writing.
<b>Module objectives/intended learning outcomes</b>	<ul style="list-style-type: none"> <li>• Able to design research according to scientific research methodology.</li> <li>• Able to carry out scientific research for doctoral program dissertation.</li> </ul>
<b>Content</b>	<ul style="list-style-type: none"> <li>• Operational definitions, indicators, and research variables;</li> <li>• Theoretical framework and research concept framework; Population, sample &amp; research variables;</li> <li>• Techniques of data collection;</li> <li>• Methods of research data analysis;</li> <li>• Portfolio of progress reports of the dissertation draft.</li> </ul>
<b>Exams and assessment formats</b>	Mid-semester progress report assessment, final progress report assessment.
<b>Study and examination requirements</b>	Requirements for successfully passing the module 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.

<p><b>Reading list</b></p>	<p>Modul of Writing Dissertation DES</p> <p>Glatthorn, A. A., &amp; Joyner, R. L. (2005). <i>Writing the Winning Thesis or Dissertation: A Step-by-Step Guide</i>. Corwin Press.</p> <p>Kasperson, J. X., Kasperson, R. E., Turner, B. L., Hsieh, W., &amp; Schiller, A. (2022). Vulnerability to Global Environmental Change. In <i>the Social Contours of Risk</i> (pp. 245-285). Routledge.</p> <p>Louv, R., &amp; Fitzpatrick, J. W. (2012). <i>Citizen Science: Public Participation in Environmental Research</i>. Cornell University Press.</p> <p>Pohl, C. (2005). Transdisciplinary Collaboration in Environmental Research. <i>Futures</i>, 37(10), 1159-1178.</p> <p>Randolph, J. (2009). A Guide to Writing the Dissertation Literature Review. <i>Practical Assessment, Research, and Evaluation</i>, 14(1), 13.</p> <p>Svarstad, H., Petersen, L. K., Rothman, D., Siepel, H., &amp; Wätzold, F. (2008). Discursive Biases of the Environmental Research Framework DPSIR. <i>Land Use Policy</i>, 25(1), 116-125</p>
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