8. Research 3

Module designation	Research 3
Code, if applicable	PCIL 9452
Semester(s) in which the module is taught	4th
Person responsible for the module	Head of Study Program; Promotor & Co-Promotor.
Language	*Indonesian and English*
Relation to curriculum	*Compulsory*
Teaching methods	*Progress Report, Presentation, Discussion.*
Type of teaching, contact hours	- Discussion with Principal Supervisor (32 hours, 2 hours weekly for 16 weeks) - Discussion with Co-Supervisor (32 hours, 2 weekly for 16 weeks) - Data analysis (128 hours, 8 hours weekly for 16 weeks) - Developing research result discussion (128 hours, 8 hours weekly for 16 weeks) - Preparing progress report (32 hours, 2 hours weekly for 16 weeks) - Preparing presentation materials (34 hours, 2.125 hours weekly for 16 weeks) - Developing dissertation report (64 hours, 4 hours weekly for 16 weeks) Total hours in 1 semester = 450 hours
Student Workload for One ECTS	- Face-to-face with Principal Supervisor (1.78 hours) - Face-to-face with Co-Supervisor (1.78 hours) - Validating research conceptual and pathway framework in data analysis (7.1 hours) - Validating research conceptual and pathway framework in data collection (7.1 hours) - Preparing progress report (improvements, challenges, constraints, etc.: 1.78 hours) - Preparing presentation materials (1.89) - Developing dissertation report (3.56 hours) Total workload for one ECTS : 25 hours
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	5 SKS which equivalent to 18 ECTS

Requirements according to the examination regulations	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.
Required and recommended prerequisites for joining the module	Existing competencies in data analysis and scientific writing.
Module objectives/intended learning outcomes	• Able to display research results visually and in writing. • Able to perform data analysis of scientific research results. • Able to draw conclusions on research results.
Content	• Primary and secondary data collection; • Presentation of data in the form of tables and graphs; • Research data processing; Analysis of data processing results; • Compilation of conclusions on the dissertation; • Portfolio of progress reports of the dissertation draft.
Exams and assessment formats	Mid-semester progress report assessment, complete dissertation draft, eligibility test.
Study and examination requirements	Requirements for successfully passing the module The final grade in the module is composed of 70% performance on complete draft dissertation, 30% performance on the eligibility test. Students must submit a complete dissertation draft and are required to take the eligibility test as a minimum achievement to pass.
Reading list	Modul of Writing Dissertation DES Allison, B., & Race, P. (2004). The student's guide to preparing dissertations and theses. Routledge. Arrows, F. (2008). The authentic dissertation. London: Routledge. Joyner, R. L., Rouse, W. A., & Glatthorn, A. A. (2018). Writing the winning thesis or dissertation: A step-by-step guide. Corwin press. Ramlaul, A. (2020). Dissertation Structure and Presentation. In Medical Imaging and Radiotherapy Research: Skills and Strategies (pp. 363-380). Springer, Cham.