



University of Gadjah Mada
 Faculty of Forestry
 Study Program of Doctor in Forestry Science
Module Handbook

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|----------------------------------|--|--|---|----------|------------|------------|------------|------------------|
| Name (Code) | : Methodology and Ethic of Forestry Research <i>thrust</i> Forest Management (KTDU22802) | | | | | | | |
| ECTS Type Status | : 7.5 Class lecture Compulsory | | | | | | | |
| Semester OfL:OnL Ratio LMS | : 2 60:40 elok.ugm.ac.id | | | | | | | |
| Pre-Requisite | : - | | | | | | | |
| Description of content | : This course discusses matters relevant to research in the field of forest management, which is simply divided into quantitative, qualitative, and mixed approaches. Students are given space to criticize and confirm their understanding and skills on planning, especially on proposal writing techniques, and research implementation, including problem formulation, literature review, and selection of approaches to answer research problems that have been formulated. | | | | | | | |
| Course Outcomes and PLO mandated | Finishing this course, student will be able to formulate problems that will be answered based on the background of the urgency of the research and previous research gaps (CO1/PLO1), to conduct and write the results of literature review/literature studies relevant to the research, especially to support the formulation of research problems and reasoning for choosing methods/approaches to answer research problems (CO2/PLO2), to propose and communicate in writing and verbally the appropriate method to answer the formulated problem, starting from data collection methods, data analysis and conclusion drawing (CO3/ PLO4). | | | | | | | |
| Lecturer(s) | Lecturer Team of Forest Management Department | | | | | | | |
| Workload | : Total workload per semester is for 14 weeks, with weekly activities: 2*(50' lectures, 60' structured activities, 60' independent study), and 2 mid-exam and final exam weeks. | | | | | | | |
| Learning Method | : Class Lecture and Discussion | | | | | | | |
| Student Learning Experience | : Actively discuss the class material and research cases, structured assignment, group work, quiz, material reflection, review of literature and problem in forestry sectors | | | | | | | |
| Mapping CO-syllabus | CO | Syllabus | Learning form | Meetings | | | | |
| | 1 | 1. Research: way of thinking - deduction & induction 2. Research process in a glance 3. Formulating research problem - scientific vs Pragmatic 4. Workshop #1: Problematization | Class lecture and discussion | 4 | | | | |
| | 2 | 5. Research: way of thinking - deduction & induction 6. Research process in a glance 7. Qual method #1: Method - problem fit Identification (strengths and weakness each method) 8. Qual method #2: Theory driven approach | Class lecture and discussion, presentation | 4 | | | | |
| | 3 | 9. Qual method #3: Validation & Reliability 10. Quan method #1: Population & sampling technique 11. Quan method #2: Experiment vs survey 12. Quan method #3: Various Quant analysis 13. Workshops: Completion extended abstract of research proposal (1-2) | Class lecture, discussion, and presentation | 6 | | | | |
| Assessment method | Base of Evaluation | | Component of Evaluation | | CO1 | CO2 | CO3 | Total (%) |
| | Participative activities | | Assignment | | √ | | √ | 20 |
| | Cognitive & Psychomotoric | | Mid exam | | √ | √ | | 40 |
| | Case Study result | | Final exam/ presentation | | | √ | √ | 40 |
| References | <ol style="list-style-type: none"> Krott, M. ed., 2000. Policies for Sustainable Forestry in Belarus, Russia, and Ukraine (Vol. 9). Brill Kumar, R., 2014. Research Methodology: a step-by-step guide for beginners. Laraswati, D., Rahayu, S., Pratama, A.A., Soraya, E., Sahide, M.A. and Maryudi, A., 2020. Problem-method fit in forest policy analysis: Empirical pre-orientation for selecting tested or innovative social-qualitative methods. <i>MethodsX</i>, 7, p.100794. | | | | | | | |