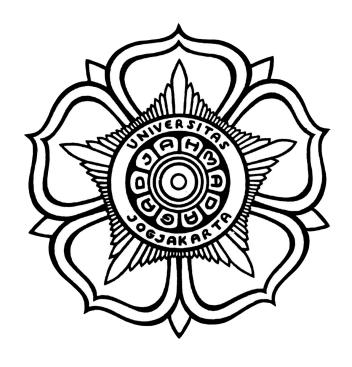
Module Handbook/RPKPS

Research Methodology and Ethics



Composed by:

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Master of Fisheries Science
Faculty of Agriculture
Universitas Gadjah Mada
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Module Handbook : Research Methodology and Ethics

Module designation	This course explains research and experiments, scientific thinking, various research methods, evaluation, validation, reliability, methods and techniques for collecting, processing, and presenting fishery data, drawing conclusions, and presenting them. This course also describes research and publication ethics, presentation techniques, and journal publication processes.
Semester(s) in which the module is taught	1
Person responsible for the module	1. Prof. Dr. Ir. Alim Isnansetyo, M.Sc.
	2. Prof. Dr. Ir. Ustadi, M.P.
	3. Prof. Suadi, S.Pi., M.Agr.Sc., Ph.D.
Language	Indonesian
Relation to curriculum	Compulsory Course
Teaching methods	Activities:
	a) Lecture (lecture and discussion)
	b) Examinations
	c) Take home assignments
	d) Quiz
	e) Student presentation

Workload (incl. contact	1. Lecture
hours, self-study hours)	2 SKS x 50 minutes x 16 meetings = 1,600 minutes
	= 26.67 hours
	= 26.67 hours/30 hours
	= 0.89 ECTS
	2. Structural Assignment
	2 SKS x 60 minutes x 16 meetings = 1,920 minutes
	= 32.00 hours
	= 32.00 hours/30 hours
	= 1.07 ECTS
	3. Self Study
	2 SKS x 60 minutes x 16 meetings = 1,920 minutes
	= 32.00 hours
	= 32.00 hours/30 hours
	= 1.07 ECTS
	Total Workload = 3.02 ECTS
Credit points	2 Credit points
Required and recommended	-
prerequisites for joining the	
module	
Module objectives/intended learning outcomes	Program Learning Outcomes:
	PLO-S2: Demonstrate honesty, responsibility, confidence, emotional maturity, ethics, and awareness of being a
	lifelong learner
	PLO-P1 : Able to demonstrate theory and its application
	comprehensively in the fields of aquaculture, aquatic
	resource management, fish product technology.
	LO-KU2 : Able to construct ideas derived from scientific principles, procedures, and ethics to address issues, and
	foster novel technologies in the area of fisheries and
	marine matters.

Content	1. Common types of research
	2. The Scientific Method
	3. Deductive and Inductive Reasoning
	4. Goals of Scientific Research
	5. Key features of research in the social sciences
	6. Forms of research
	7. Method in Social Science
	8. Survey Methods
	9. Types of data collection methods
	10. Quantitative Approaches and Qualitative sampling
	11. Fisheries Data Processing
	12. Building a Research Framework
	13. Ethics and Social Research
Examination forms	Midterm exam: Examination
	Final exam: Examination
	by Simaster, g form, and Elok
Study and examination requirements	Students can join the course by registering the study plan (KRS) to enroll the chosen subjects in each academic semester. The students must meet minimum attendance requirements 70% for joining the final examination.
Reading list	Elliott, A.C. & W.A. Woodward, 2007, Statistical analysis quick reference guidebook: With SPSS examples