MASTER OF AGROECOTEHNOLOGY
FACULTY OF AGRICULTURE
UNIVERSITY OF BENGKULU

COURSE SYLLABUS

AGT-511: RESEARCH METHODOLOGY AND SCIENTIFIC WRITING

Type of course : Compulsory
Credit unit : 3
Semester offered : 1

Course description

Discusses the concepts of scientific research, research frameworks, research design, data collection and data analysis and the preparation of scientific manuscripts that are clear, concise, cohesive, and informative based on gramatical rules.

Learning outcome

Able to develop critical research based on scientific principles and able to compose scientific manuscripts (proposals, theses, and publications)

Course content

1. Principles of scientific research
2. Defining a reasearch problem
3. Research design
4. Measurement and scaling
5. Data collection
6. Data management and analysis
7. Prewriting process and gathering scientific information from internet
8. Outlining, drafting, revising, and reviewing

References

1. Kothari, C. R. (2009). Research methodology: Methods and techniques (Revised Edition). New Age International.
2. Katz, M. J. (2009). From research to manuscript: a guide to scientific writing. Springer Science & Business Media.
3. Nair, P. R., & Nair, V. D. (2014). Scientific writing and communication in agriculture and natural resources. Springer.