



COURSE SPECIFICATION 4th SEMESTER:

Course Name : Research Methodology
Code : KU 442
Credit : (2-0)

Course Description:

This course explains the basic principles of scientific activities, preparation of research proposals, and how to write research reports and other scientific writing.

References:

Gunawan AW, EH Nugraheni, LArianti, M Rachmaniah, R Boer, Siswadi, SS Achmadi, 1996. Pedoman Penyajian Karya Ilmiah. Fakultas Matematika dan Ilmu Pengetahuan Alam. IPB. Bogor. 59 hal.
Nasution S dan Thomas M., 2000. Thesis, Skripsi, Disertasi, Makalah. Bumi Aksara. Jakarta. 120 hal.
Natsir, 1996. Metode Penelitian. Gramedia. Jakarta. 688 hal.
Saifuddin A. 2001. Metode Penelitian. Pustaka Pelajar. Yogyakarta. 146 hal
Tejoyuwono N. 1985. Metode Penelitian dan Komunikasi Ilmiah. UGM
Tim Agroteknologi UMY, 2019. Pedoman Penulisan Skripsi. Agroteknologi FP UMY.

Topics:

1. The phenomenon, problem statement and problem formulation
2. Observative and experimental research, descriptive methods, explanative, comparative
3. Empirical reasoning; various models and processes of causality; independent and dependent variables; pattern of relationship between variables (simple regression and multiple regression); SPSS
4. Thesis preparation guide; Observational and experimental research; Determination of research methods and sampling methods; Observation design and treatment design; Experimental design and environmental design; SPSS and SAS.
5. Research management and job security
6. Papers, Powerpoints, journal articles and posters
7. An understanding of observational and/or experimental research