320222483 Research Design

Module Name	**Research Design**
Module Level, if applicable	Advanced
Code if Applicable	320222483
Subtitle, if applicable	-
Courses, if applicable	320222483 Research Design
Semester(s) in which the module is taught	5th
Person responsible for the module	Desiana Nuriza Putri, S.TP., M.Sc
Lecturer	Ir. Joko Susilo Utomo, M.P., Ph.D
Language	Indonesian
Relation to curriculum	Compulsory Course for undergraduate program in the Food Technology Department, Faculty of Agriculture and Animal Science
Type of teaching	Lecture, Project
Workload	● Lecture: 2 sks X 50 minutes X 16 weeks ● Project: 2 sks X 60 minutes X 16 weeks ● Independent learning: 2 sks X 60 minutes X 16 week
Credit points	2 SKS X 1.5 = 3 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	Statistic
Module Objectives (Intended learning outcomes)	On successful completion of this course, student should be able to: ● Describe the types of research designs and their data analysis skillfully and responsibly. ● Proficient in using applications that can ● support data analysis and installation independently and responsibly.
Module Content	This course presents experimental design in agricultural product technology research and the use of supporting applications in data analysis.
Study and examination requirements and forms of examination	**Cognitive:** Midterm exam, Final exam, Quizzes, Assignments **Psychomotor:** Practice **Affective:** Assessed from the element /variables achievement, namely (a) Contributions (attendance, active, role, initiative, and language), (b) Being on time, (c) Effort.
Media employed	Classical teaching tools with white board and power point presentation

Recommended Literature	For Class A. **Compulsory** 1. Putri, ND. 2020. Buku Ajar Rancangan Penelitian Bidang Teknologi Pangan Analisa Data Dengan Spss Dan Minitab. UMM Press. Malang. 200 pp. 2. Mattjik, A.A. 1998. Aplikasi Analisis Pengaruh utama aditif dengan interaksi ganda (UAIG) pada data simulasi. Forum Statistika dan Komputasi, Vol. 3, No.1. p:20-26 3. Meyers, L. S., Gamst, G. C., dan Guarino J. 2013.Performing Data Analysis Using IBM SPSS. John Wiley & Sons, Inc., Hoboken, New Jersey. Canada. B. Option 1. Tutorial module for using Ms.Office 2. Tutorial module for using Statistics and Video Apps
Date of Last Amendment	22nd Agustus 2022