320221573 Scientific Methods

Module Name	**Scientific Methods**
Module Level, if applicable	Advanced
Code if Applicable	320221573
Subtitle, if applicable	-
Courses, if applicable	320221573 Scientific Methods
Semester(s) in which the module is taught	6th
Person responsible for the module	Desiana Nuriza Putri, S.TP., M.Sc
Lecturer	Desiana Nuriza Putri, S.TP., M.Sc Prof. Dr. Ir. Noor Harini, M.S
Language	Indonesian
Relation to curriculum	Compulsory Courses for undergraduate program in Departement of Food Technology, Faculty of Agriculture and Animal Science
Type of teaching	Lecture, Project
Workload	● Lecture: 3 sks X 50 minutes X 16 weeks ● Project: 3 sks X 60 minutes X 16 weeks ● Independent learning: 3 sks X 60 minutes X 16 week
Credit points	3 SKS X 1.5 = 4.5 ECTS
Requirements according to the examination regulations	1. Registered in this course 2. Minimum 80% attendance in this course
Recommended prerequisites	-
Module Objectives (Intended learning outcomes)	On successful completion of this course, student should be able to : ● Understand theoretical concepts in general and theoretical concepts in special sections and their implementation in scientific writing in the food sector and have the ability to apply the knowledge gained. ● Designing and compiling a scientific thesis or paper (journal) in the field of interest based on data or literature study according to applicable scientific writing procedures and preventing plagiarism.
Module Content	This course studies how to extract information from reading and make reproductions in the form of summaries, summaries/abstracts and synthetics as well as compiling information in a scientific paper or journal and compiling, developing and presenting ideas in writing based on primary/secondary data or literature studies according to with the rules of preparing the thesis and scientific journals (manuscripts) that apply.

Study and examination requirements and forms of examination	**Cognitive:** Midterm exam, Final exam, Quizzes, Assignments **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. George M. Hall. How to write a paper, fourth edition. England : John Wiley & Sons Ltd, 2012. 2. Colin Neville. Open up study skills, The complete guide to referencing and avoiding plagiarism. Berkshire England : Mc-Graw Hill Education. 2007. 3. Jackie Willis. Data Analysis and Presentation Skill, An Introduction for the life and medical sciences. England : John Wiley & Sons Ltd. 2004. 4. Trisha Greenhalgh. How to read a paper. The basic of evidence-based medicine fourth edition. England : John Wiley & Sons Ltd, 2011. **B. Option** 1. MS. Power Point, Mind Manager, Mendeley, MS. Excell, sample size determination, Pengolah data statistic
Date of Last Amendment	24th Agustus 2022