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| Module designation | *Statistics for Agriculture* |
| Semester(s) in which the module is taught | *2nd* |
| Person responsible for the module | *Prof. Dr. Ir. Rosma Hasibuan, M.Sc.* |
| Language | *Indonesian language* |
| Relation to curriculum | *Compulsory* |
| Teaching methods | *Lectures (100 minutes)*<br>*Practicum sessions (170 minutes)* |
| Workload (incl. contact hours, self-study hours) | *Contact hours : 14 weeks x 100 minutes*<br>*Structured learning: 14 weeks x 120 minutes*<br>*Independent study: 14 weeks x 120 minutes*<br>*Practicum sessions: 14 weeks x 170 minutes* |
| Credit points | *3 (2-1) CP or 4.76 (ECTS)*<br>*((14 weeks x 100 minutes) + (14 weeks x 120 minutes) +*<br>*(14 weeks x 120 minutes) + (14 weeks x 170 minutes)) :*<br>*60 minutes/hour*<br>*= 119 hours : 25 study hours/ECTS*<br>*= 4.76 (ECTS)* |
| Required and recommended prerequisites for joining the module | - *Completion of course: Agricultural Mathematics* |
| Module objectives/intended learning outcomes | - *Students are able to assess and develop knowledge of science and technology by paying attention to the humanities and scientific ethics, able to work in a collective collegial team, and be a motivator in society;*<br>- *Students are able to identify, formulate, solve problems, and apply plant science, plant protection, soil science, socio-economic agriculture, and plant production engineering principles that are oriented towards good agricultural practices (GAP)* |
| Content | *Basic Statistics course is a 3 (2-1) credit course. This course provides competencies for students to be able to explain the basic concepts of statistics, descriptive statistics and statistics inferential, and able to perform statistical data analysis in the field of engineering agriculture, with subjects including probability and distribution, statistics descriptive, parameter estimation, hypothesis testing, value comparison test middle, regression and correlation analysis, analysis of variance, experimental design, and the use of computer programs for statistical analysis.* |
| Examination forms | *oral presentation, essay* |

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| Study and examination requirements | *Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).*<br><br>*Performance in theory (100%):*<br>*Mid Exam (20%)*<br>*Final Exam (20%)*<br>*Assignments (40%)*<br>*Class participation (10%)*<br>*Individual quiz (10%)*<br><br>*Performance in practicum (100%):*<br>*Practicum exam (30%)*<br>*Pre-test or post-test (10%)*<br>*Experiment reports (60%)* |
| Reading list | 1. *RS. Witte. 2017. Statistics. 11th ed. Wiley Press. New York. UAS. 496 pp.*<br>2. *W Mendenhall and T Sincich. 2006. Statistics. 10th ed. Prentice Hall. New Jersey, USA. 935 pp.*<br>3. *RGD Steel and JH Torie. 1980. Principles and Procedures of Statistics: A Bio-metrical Approach, 2nd ed., McGraw-Hill, Ney York-Toronto, 633 pp.*<br>4. *RF Walpole. 1982. Introduction to Statistics. McMillan. New York, Collier-McMillan, London. 521 pp.* |