

STATISTICS

Module designation	<i>Statistics</i>
Semester(s) in which the module is taught	1
Person responsible for the module	1. Prof. Dr.rer.nat. apt. M. Yuwono, MS. (Course Coordinator) 2. Prof. Dr. apt. Amirudin Prawita. 3. Prof. Dr. apt. Djoko Agus Purwanto, M.Si
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory / elective / specialisation</i>
Teaching methods	<i>lecture, discussion, assignment</i>
Workload (incl. contact hours, self-study hours)	<i>(Estimated) Total workload: Contact hours (structured activities.): 90,67 hours Private study including independent learning activities: 90,67 hours</i>
Credit points	<i>2 SCU / 6 ECTS</i>
Required and recommended prerequisites for joining the module	NA
Module objectives/intended learning outcomes	Students are: LO1: Able to realize excellence based on religious morals (excellence with morality), able to work together, and show a responsible attitude to work in their field of expertise independently LO5: Able to access and review information through an Information and Communication Technology (ICT) system, decide on a specific subject of study, maintain the feasibility of implementing research designs, conduct research, analyze data, conclude research results comprehensively, and create strategic issues based on the study that reflect the latest updates in the field of pharmaceutical sciences, and communicate them in the media and scientific forums at the national and international level through an interdisciplinary or multidisciplinary approach in the form of a thesis or other equivalent forms.
Content	The Statistics course presents the basic concepts and selection of statistical tests and their applications using the SPSS application.
Exams and assessment formats	<i>Final exam (100 minutes), presentation (100 minutes), take-home written assignments</i>
Study and examination requirements	<i>the final grade in the module is composed of 40% performance on final exams, 25% presentation 25% take-home assignments, 10% in-class participation and soft-skills assessment. Students must have a final grade of 70% or higher to pass</i>

Reading list	<ol style="list-style-type: none"><li data-bbox="619 199 1321 309">1. P. Rowe, 2016. Essential Statistics for the Pharmaceutical Sciences, second edition, Second Edition, John Wiley & Sons, UK.<li data-bbox="619 320 1353 389">2. R. Liu and Y.Tsong, 2016, Pharmaceutical Statistics, Springer Verlag, Indiana USA.<li data-bbox="619 400 1385 510">3. S. Bolton and C. Bon, 2010, Pharmaceutical Statistics- Practical and Clinical Applications, Informa Healthcare, USA.<li data-bbox="619 521 1401 591">4. T.J. Cleophas, A. H. Zwinderman, SPSS for Starters and second Levelers, Second Edition, Springer, London
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