

Module designation	<b><i>Scientific Method</i></b>
Semester(s) in which the module is taught	<i>6<sup>th</sup> semester</i>
Person responsible for the module	<i>Prof. Ir. H. Fadly H. Yusran, M.Sc., Ph.D., IPU Prof. Dr. Ir. H. Abdul Hadi, M.Agr. Dr.Ir. Fakhrrur Razie, M.Si</i>
Language	<i>Bahasa Indonesia</i>
Relation to curriculum	<i>Compulsory courses</i>
Teaching methods	<i>Teaching, response, exercise</i>
Workload (incl. contact hours, self-study hours)	<i>- Total workload: 118,86 hours Contact hours: - Lecture: 39,62 hours - Practice: 79.24 hours Private study including examination preparation: 36 hours</i>
Credit points	<i>2</i>
Required and recommended prerequisites for joining the module	<i>- Mathematic - Indonesian Lesson - English Lesson - Agricultural Statistics - Experimental Design</i>
Module objectives/intended learning outcomes	<i>Students are able to: a. explain the scope, definition and meaning of the scientific method b. explain the characteristics and distinguish types in research c. explain the results of research, plating, understanding and studying carried out with certain rules and principles. d. explain the ethics of the scientific community</i>
Content	<i>Students after taking the Scientific Method course will master the theories and concepts about the Scientific method and academic ethics as a basis for being able to compile research proposals well, be able to properly clarify the procedures for implementing and writing research reports, and be able to write and disseminate scientific papers in their fields. The assessment component in this course to assess learning outcomes includes assignments (which are carried out independently and in groups), UAS and UTS which contain CPL components.</i>
Examination forms	<i>Quiz, mid-semester exams, final exam, exercise</i>
Study and examination requirements	<i>Overall score is above 70 (B) Minimum attendance is 80% for lectures.</i>

*Reading list*

1. Dawson, C. 2002. *Practical Research Methods*, New Delhi, UBS Publishers' Distributors.
2. Kumar, R. 2005. *Research Methodology-A Beginners (2nd ed.)*. Pearson Education, Singapore.
3. Hoisington, C.L. 2016. *Microsoft Office 365, Office 2016, Advanced. Shelly Cashman Series*. Cengage Learning, Boston, USA.
4. Islamy, M.I. 2014. *Behavioral and Scientific Ethics*. Airlangga University Press.
5. Joseph, A.M. 2017. *Research Methods*. Prenamedia Group.
6. Hadi, A., Mispansyah, Rahman A, Praselia I, Mirathan A, Hastuti D. 2016. *Student Final Project Journal Tutorial*, Lambung Mangkurat University Press, Banjarmasin