Module designation	*Biofuel and Essential Oil Agrotechnology*
Semester(s) in which the module is taught	*6th*
Person responsible for the module	*Dr. Ir. Rusdi Evizal, M.S.*
Language	*Indonesian language*
Relation to curriculum	*elective*
Teaching methods	*Lectures (100 minutes)* *Practicum sessions (170 minutes)*
Workload (incl. contact hours, self-study hours)	*Contact hours : 14 weeks x 100 minutes* *Structured learning: 14 weeks x 120 minutes* *Independent study: 14 weeks x 120 minutes* *Practicum sessions: 14 weeks x 170 minutes*
Credit points	*3 (2-1) CP or 4.76 (ECTS)* *((14 weeks x 100 minutes) + (14 weeks x 120 minutes) +* *(14 weeks x 120 minutes) + (14 weeks x 170 minutes)) :* *60 minutes/hour* *= 119 hours : 25 study hours/ECTS* *= 4.76 (ECTS)*
Required and recommended prerequisites for joining the module	-
Module objectives/intended learning outcomes	- *Students are able to apply the basic concepts and principles of cultivation technology and the development of sustainable agriculture technology* - *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 being a motivator in society* - *Students are able to plan, design, implement and develop plant production with the latest and environmentally friendly technology creatively and innovatively*
Content	*The agricultural genetics course is a 3 (2-1) credit course.* *This course contains studies on: Plantations of biofuel materials and essential sources, origin and history of distribution, potential, prospects, and development programs; botany and growing* *requirements, cultivation techniques, aspects of HPT and postharvest handling; Commerce*
Examination forms	*oral presentation, essay*

Study and examination requirements	*Participants are evaluated based on their performance in class (lectures) (70%) and lab (practicum) (30%).* *Performance in theory (100%):* *Mid Exam (20%)* *Final Exam (20%)* *Assignments (40%)* *Class participation (10%)* *Individual quiz (10%)* *Performance in practicum (100%):* *Practicum exam (30%)* *Pre-test or post-test (10%)* *Experiment reports (60%)*
Reading list	1. *Agricultural Technology Assessment Agency. 2008. Castor bean Cultivation Technology. Lampung* 2. *Agricultural Technology Assessment Agency. 2008. Patchouli Cultivation Technology. Lampung* 3. *Agricultural Technology Assessment Agency. 2012. Coconut Cultivation* 4. *Research Institute for Spices and Medicinal Plants. 1998. Patchouli Monograph. Agricultural Research and Development Agency* 5. *Center for the Study of Agricultural Technology. 2005. Cultivation of Castor bean.*