Module designation	Fundamental of Operation Research (AGBP09)
Semester(s) in which the module	5 th semester
is taught	
Person responsible for the	Sofyan
module	
Language	English
Relation to curriculum	Compulsory module
Teaching methods	lecture, lesson, case, seminar.
Workload	100 minutes of lecture and discussion per week
	120 minutes of structured tasks per week 100 minutes of independent optivity per week
	 190 minutes of independent activity per week 100 minutes of laboratory work
Cradit painta	 Too minutes of laboratory work 2 (lessen 2 and lab works 1) 4.9 ECTS
	3 (lesson 2 and lab works T) = 4.6 ECTS
Required and recommended	Economic and Business Mathematics
prerequisites for joining the	
Module	() la ca tha a bility ta a al ca line ar muchuman much la ma farmer data dhu
	1. Have the ability to solve linear program problems formulated by
learning outcomes	Themous, graphs, simplex, big-in and two-phase.
	2. Able to analyze the results of solving inteal program
	10111101duolis with utdality theoly and schement and assignment
	3. Able to solve italisponation, italishipment, and assignment
	A Able to find solutions to network and inventory model
	formulations and analyze the resulting solutions
Content	The Agribusiness Operations Research course discusses a
Contone	number of operations research methods, ranging from Linear
	Program methods to specially structured decision-making
	programs such as PERT/CPM and others.
Exams and assessment formats	Essay, case study
Study and examination	5 % activity participative
requirements	55% course work and study cases analysis
	5% quizzes
	15% midterm examination
	20% final examination
Reading list	1. Lieberman, H, 2008. Introduction To Operation Research, Andi,
	Yogyakarta
	2. Levin, Richard, David S Rubin, Joel P Stinson, dan Everette S
	Gardner, 2003.Pengambilan Keputusan Secara Kuantitatif
	(terjemahan) "QuantitativeApproaches to Management".
	Jakarta: Rajawali Press.
	3. Bronson, Ricard. 1991. Seri Buku Schaum,s, Teori dan Soal-
	soal Operations Research. Penerbit Erlangga. Jakarta.
	4. Dimiyati, Tjutju tarilan dan Anmad Dimyati . 2009. Operations
	Research. Model-model Pengampilan Keputusan. Penerbit
	Sinar Baru Algesindo. Bandung.
	5. Tana, Hamdy A. 1996. Riset Operasi. Binarupa Aksara. Jakarta