

Universitas Negeri Surabaya Faculty of Engineering , Undergraduate Culinary Education Study Program

Document Code

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		S	EMESTER	LEARN	ING PL	AN					
Courses		CODE	Со	urse Family		Cred	it Wei	ght	SEMESTER	Compilation Date	
Research	n methodology	8321103038				T=3	P=0	ECTS=4.77	4	July 17, 2024	
AUTHOR	IZATION	SP Develop	er		Course Clu	ister C	oordi	nator	Study Progr Coordinator	Study Program	
									Dr. Hj. Sri Ha	Indajani, S.Pd., Kes.	
Learning model	Project Based	Learning									
Program Learning Outcomes (PLO)		PLO study program which is charged to the course									
Outcom		ectives (PO)									
(PLO)	PLO-PO Matr	ix									
		P.O]								
	PO Matrix at	the end of each le	arning stage (Su	b-PO)							
					10/2 - 1-						
		P.O	2 3 4	5 6 7	Week	10	11	12 1	.3 14 1	5 16	
			2 3 4	5 6 7	8 9	10	11	12 1	.3 14 1	5 16	
Short Course Descript Reference	technology, res and benefits, a and sample, d drawing conclu	cture material consi earch steps which in ssumptions and dev ata collection metho sions and suggestion	nclude preparing th relopment of theore ds and developme	e background of etical studies, for ent of data colled	the problem rmulation of l ction tools, d	n, form hypoth lata ar	ulation eses,	of the probl types and de	em, formulatio esign of resea	n of objectives rch, population	
	1. 1. Suh Penelit	 Suharisimi Arikunto. 2010. Prosedur Penelitian (Suatu Pendekatan Praktek). Jakarta: Rineka Cipta.2. Sugiyono. 2011. Metode Penelitian Kombinasi. Bandung: Penerbit Alfabeta.3. Tuckman, Bruce W 1978. Conducting Educational Research. NewYork: Harcourt Brace Jovanovich Pub.4. Sudjana. 1995. Desain dan Analisis Eksperimen. Bandung: Tarsito. 									
	Supporters:										
Support lecturer	Dra. Lucia Tri F	har, M.Pd. Pangesthi, M.Pd. Jajani, S.Pd., M.Kes.									
Week- (S	Final abilities of each learning stage (Sub-PO)		Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]			Learning materials [References	Assessment Weight (%)		
	. ,	Indicator	Criteria & Forn	· · · · · · · · · · · · · · · · · · ·	offline)	0		online)]	(9)	
(1)	(2) Understand the	(3) a. Differentiate	(4) Criteria:	Discussion	5)			6)	(7)	(8) 0%	
	relationship between research concepts and the development of science and technology	the meaning of science and technology b. Explain how to gain knowledge c. Explain the meaning of research d. Explain the scientific method e. Formulate the role of research in the development of science and technology	Score for each question: 20	presentation question an 3 X 50							

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2	Formulate problems that suit their interests and areas of expertise (1)	Formulate problems that suit their interests and areas of expertise (1)	Criteria: Each student submits a minimum of 3 research problems according to their interests and areas of expertise.	Discussion presentation and question and answer 3 X 50		0%
3	Formulate problems that suit their interests and areas of expertise (2)	a. Compile the background of the problem b. Develop problem identification c. Develop problem boundaries d. Create a problem formulation. Create research objectives and benefits	Criteria: Success in formulating the background of problem identification, problem boundaries, objectives and benefits of research.	Discussion presentation and question and answer 3 X 50		0%
4	Arrange theoretical studies according to the problem formulation	a. Explain the role of theoretical studies in research b. Identifying reference sources c. Develop a theoretical study framework by including writing appropriate quotations and writing a bibliography	Criteria: Students are able to compile theoretical studies according to the research problem formulation	Discussion presentation and question and answer assignment 3 X 50		0%
5	Understand hypothesis formulation	a. Explain the meaning of hypothesis b. Understand the types of hypotheses c. Identify errors that occur in hypothesis testing d. Explain how to test a hypothesis e. Analyzing the relationship between determining the level of significance and the level of significance of the hypothesis f. Explains research without a hypothesis	Criteria: Success in formulating research hypotheses	Contextual/Cooperative 3 X 50		0%
6	Understand how to determine the type and design of research based on the problems and/or research objectives formulated	a. Identifying the type of research b. Develop research designs (for experimental and correlational research)	Criteria: success in determining research design	Contextual/Cooperative 3 X 50		0%
7	Identify variables and formulate operational definitions of variables	a. Explain the meaning of research variables b. Identifying various research variables c. Identifying variables c. Identifying variables in research d. Explain the operational definition of variable e. Defining independent variables and dependent variables in experimental research	Criteria: Success in identifying research variables and operational definitions of variables	Contextual/problem based 3 X 50		0%
8	Sub Summative Exam		Criteria: Success in preparing Chapter I and Chapter II of the research proposal	3 X 50		0%

9	Identifying the problem of formulating action hypotheses and designing steps to test action hypotheses in PTK	a. Formulate problems in PTK b. Formulate action hypotheses c. Describe the cycle in PTK	Criteria: Success in identifying problems, formulating action hypotheses and designing steps to test action hypotheses in PTK	Contextual/problem based 3 X 50		0%
10	Determine the research subject or population and sample	a. Explain the meaning of pupation and sample b. Explain the various methods of sampling c. Determine the sample	Criteria: Accuracy in determining research subjects or sample population	Contextual/Problem based 3 X 50		0%
11	Identify data collection techniques and develop data collection tools that suit the problem and/or objectives (1)	a. Explain data collection techniques b. Determine data collection tools/instruments	Criteria: Accuracy in determining data collection instruments	Contextual/Problem Based 3 X 50		0%
12	Identify data collection techniques and develop data collection tools that suit the problem and/or objectives (2)	a. Develop data collection tools/instruments b. Explain the validity and reliability of data collection tools	Criteria: Success in developing research instruments	Contextual/Problem based 3 X 50		0%
13	Conduct descriptive analysis both quanitiative and qualitative	a. Explain the various types of research data analysis b. Distinguish between quantitative descriptive and qualitative descriptive data analysis c. Determine the analysis of each research data	Criteria: Accuracy in determining research data analysis	Contextual/problem based 3 X 50		0%
14	Conduct inferential analysis (hypothesis testing)	a. Describe the meaning of inferential analysis b. Describe the various types of inferential analysis c. Carrying out relationship tests d. Do a different test	Criteria: Accuracy in determining research data analysis	Contextual/Problem Based 3 X 50		0%
15	Arrange discussions on the results of data analysis, draw conclusions and provide suggestions based on research results	a. Linking the results of data analysis with theoretical studies b. Linking the results of data analysis with previous research findings c. Draw conclusions d. Formulate suggestions	Criteria: Accuracy in explaining things contained in discussions and discussion of research results.	Contextual/Problem Based 3 X 50		0%
16	Final exams		Criteria: Success in preparing research proposals	3 X 50		0%

 Evaluation
 Percentage
 Project
 Based
 Learning

 No
 Evaluation
 Percentage
 0%

Notes

- 1. Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study
- 2. The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
 3. Program Objectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the the used for the program protectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the the used for the program protectives (PO) are abilities that are specifically described from the PLO assigned to a course, and are specific to the the used for the program protective for the program program protective for the p
- study material or learning materials for that course.

- Subject Sub-PO (Sub-PO) is a capability that is specifically described from the PO that can be measured or observed and is 4. the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- Indicators for assessing abilities in the process and student learning outcomes are specific and measurable statements that 5. identify the abilities or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.
- 8. Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%. 12. TM=Face to face, PT=Structured assignments, BM=Independent study.