



MINISTRY OF EDUCATION AND CULTURE
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF NATURAL SCIENCES

Ketintang Campus, Jl. Ketintang C12 Building, Surabaya 60231

Phone (031)18296427

Website <http://pendidikan-sains.fmipa.unesa.ac.id>

Undergraduate Programme in Science Education

Module Handbook

Module Name:	<i>Asesmen Proses dan Hasil Belajar</i> (Assessment and Evaluation)	
Module Level:	Bachelor degree/Undergraduate Programme	
Course Code:	8420103010	
Abbreviation, if applicable:	-	
Courses included in the module, if applicable:	Not applicable	
Semester/term	IV/second year (sophomore)	
Module coordinator(s):	Dr. Elok Sudiby, M.Pd.	
Lecturer(s):	Beni Setiawan, S.Pd., M.Pd. Wahyu Budi Sabtiawan, S.Si., M.Pd., M.Sc. Dhita Ayu Permata Sari, S.Pd., M.Pd. Aris Rudi Purnomo, S.Si., M.Sc., M.Pd.	
Language:	<i>Bahasa Indonesia</i> (Indonesian Language)	
Classification within the curriculum:	Compulsory / Elective	
Teaching format/class hours per week during the semester:	3 contact hours of lectures (Indonesia credit semester or <i>sks</i> *)	
Workload:	3 x 50 minutes lectures, 3 x 60 minutes structured activity, 3 x 60 minutes individual activity, 14 weeks per semester, 119 total hours per semester ~ 4.77 ECTS**	
Credit point:	3 <i>sks</i> (4.77 ECTS)	
Requirements:	Curriculum Review, Learning Theory, and Basic Computer	
Learning goals/competencies:	<p>Course Learning Outcomes (CLOs): After taking this course, students will be able to:</p> <ol style="list-style-type: none"> Understand the concepts and principles of assessment process and learning outcomes including terminology and understanding, taxonomy of learning outcomes, assessment principles, assessment strategies and forms, development steps, assessment instrument quality criteria, item analysis, and interpretation of assessment results; and Design instruments to assess the affective, cognitive, and psychomotor domain learning processes and outcomes that are adequate with learning indicators. 	
Content:	Principles and Theory of Assessment, Validity and Reliability, and Assessment Design	
Attribute Soft skill:	Collaboration, communication, and argumentation in the natural classroom setting.	
Study/exam achievements:	Students are considered to be competent and pass if at least get 40% of the maximum final grade. The final grade (NA) is calculated based on the following weight:	
	Assessment Components	Percentage Contribution
	Participation	20%

	Assignment	30%
	Mid-semester test	20%
	Final semester test	30%
	Total	100%
Learning Methods	Discussion, project-based learning, presentation (structured activities), and flip learning	
Form of Media:	LCD, PowerPoint slides, and virtual learning platform	
Literature (primary references):	<ol style="list-style-type: none"> 1. MacMohan M, Simmons P, Sommers R, DeBaets D, and Crawley F. 2006. Assessment in Science: Practical Experiences and Education Research. USA: NSTA Press. 2. Brookhart, Susan M. 2010. How to assess higher-order thinking skills in your classroom. Alexandria: ASCD. 3. Pusat Analisis dan Sinkronisasi Kebijakan. 2018. Panduan Praktis Implementasi Penguatan Pendidikan Karakter (PKK) Berbasis Budaya Sekolah. Jakarta: PASKA. 4. Krathwohl, D.R., 2002. A revision of Bloom's taxonomy: An overview. Theory into practice, 41(4), pp.212-218. 5. Tim Pembelajaran dan Kurikulum Direktorat Pembinaan Sekolah Menengah Pertama. 2016. Modul Pengembangan Instrumen Penilaian oleh Pendidik Mata Pelajaran Ilmu Pengetahuan Alam Sekolah Menengah Pertama. Jakarta: Kemendikbud. 6. Direktorat Pembinaan Sekolah Menengah Pertama. 2017. Panduan Penilaian oleh Pendidik dan Satuan Pendidikan untuk Sekolah Menengah Pertama. Jakarta: Kemendikbud. 	
Notes:	<p>*1 sks in learning process = three contact hours that consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p> <p>**1 sks = 1,59 ECTS</p>	