MINISTRY OF EDUCATION AND CULTURE
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF PHYSICS
Ketintang Campus, Jalan Ketintang, C3 Building, Surabaya 60231
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Module Name :	*Kolokium* Colloquium
Module level :	Bachelor degree/Undergraduate Programme
Course Code :	4520102105
Abbreviation, if applicable:	-
Courses included in the module, if applicable:	Not Applicable
Semester/Term	6/Third Year
Module coordinator(s)	
Lecturer(s):	Prof. Tjipto Prastowo, Ph.D all lecturers in the department eligible for supervising students
Language:	*Bahasa Indonesia*
Classification within the curriculum:	Compulsory/ ~~Elective~~
Teaching format/class hours per week during the semester:	2 contact hours of lectures (Indonesia credit semester or sks*)
Workload :	Lecture: 2 x 50 minutes lectures, 2 x 60 minutes structured activity, 2 x 60 minutes individual activity, 14 weeks per semester. 79.33 total hours per semester ~ 3.18 ECTS**
Credit Point:	2 sks (3.18 ECTS)
Requirements:	Research Methodology

Learning goals/competencies:	1. Demonstrating independent, creative and open-minded characters as well as critical thinking skills in doing writing composition. 2. Understanding a systematic study on a particular issue associated with a physics problem and its corresponding solutions. 3. Applying a basic method selected and digital literacy skills to identify alternative solutions to a given physics problem. 4. Understanding the importance of oral communication skills in a scientific world.
Content	Physics Colloquium is a compulsory subject for physics students before they do final projects. In this context, this course discusses recent advance researches in physics relevant to topics for possible students' final projects. During the course, the primary assignments involve brainstorming on a particular issue through examination of references or literatures selected under supervision by a supervisor. Writing composition in this course includes discussions on the relevance of basic physics principles to a phenomenon stated in the references or literatures and the importance of research for human life as well as the enviroment. At the end of the course, students are asked for delivering individual presentation based on a scientific report on the subject chosen by each student, where it may contain the results of laboratory experiments, numerical simulations, or field observations.
Attribute Soft skill:	Scientific report, public speaking, and team work
Study/exam achievements:	Students are considered to complete the course and pass if they obtain at least 40% of maximum final grade. The final grade (NA) is calculated based on the following ratio:

Assessment Components	**Percentage of contribution**
Participation	20%
Assignment	30%
Mid-semester test	20%
Final semester test	30%

Learning Methods :	Student-centered approach, lecture and discussion, and presentations (structured activities)
Form of Media:	*Power Point* slides, e-book file, and multimedia.
Literature (primary references):	1. Prastowo, T. & Madlazim. 2013. Lecture Notes on Research Methodology for Physics Students. Unpublished work. 2. Abdullah, M. 2011. Tuntunan Praktis Menulis Makalah Untuk Jurnal Ilmiah Internasional. Unpublished work. 3. Kirkland, K. 2010. Earth Sciences: notable research and discoveries. Facts On File, Inc: New York, US. pp. 1-212. 4. Turkish Journal of Earth Sciences, an open-access journal available at https://journals.tubitak.gov.tr/earth/index.htm 5. Turkish Journal of Physics, an open-access journal available at https://journals.tubitak.gov.tr/physics/index.htm 6. Indonesian Journal of Science and Technology, an open-access journal available at https://ejournal.upi.edu/index.php/ijost/ 7. Journal of Physics Research and Its Application, an open-access journal available at https://journal.unesa.ac.id/index.php/jpfa 8. Some power point files and/or course materials relevant to recent progress in physics research from the internet.
Notes:	*1 sks in learning process = three periods 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.
	**1 sks = 1,59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019