Module Name	:	Physics Experiment II
Module Level	:	-
Code	:	02053243032
Subtitle	:	-
Courses	:	Physics Experiment II
Semester(s) in which the module is taught	:	8th
Module Coordinator	:	Dewanto Harjunowibowo, Ph.D
Lecturer(s)	:	Sukarmin, Ph.D Dr. Sarwanto, M.Si Dwi Teguh Rahardjo, M.Si. Drs. Supurwoko, M.Si Drs. Pujayanto, M.Pd. Dr. Sri Budiawanti, M.Si. Dr. Suharno, M.Si. Dr. Daru Wahyuningsih, M.Pd. Drs. Rini Budiharti, M.Pd. Dewanto Harjunowibowo , Ph.D Anif Jamaluddin, Ph.D Yesiana Arimurti, M.Si Dr. Elvin Yusliana E, M.Si Shofi Hikmatuz Zahroh, M.Pd. Fairusy Fitria Haryani, M.Si
Language	:	Bahasa Indonesia and English
Classification within the curriculum	:	Compulsory Course
Teaching format/ class hours per week during the semester	:	Teaching format : Private Study and Mentoring
		Private Study : 3 x 50 minutes/week = 150 minutes/week
Workload	:	16 effective weeks/semester
		Private study and Mentoring: 3 x170 minutes/week x 16 weeks = 8160 minutes/semester
Credit points	:	3 credit points (sks) = 4.5 ECTS
Requirements according to the examination regulations	:	1. A minimum of 75% attendance to attend an exam 2. Further regulated in the Rector's Decree No. 31/2020 Article 29 and 30 3. Final score is obtained from the score conversion as follows

Scale of 100	Score	Grade

		<table><tr><td>S ≥ 85</td><td>4</td><td>A</td></tr><tr><td>80 ≤ S < 85</td><td>3.7</td><td>A-</td></tr><tr><td>75 ≤ S < 80</td><td>3.3</td><td>B+</td></tr><tr><td>70 ≤ S < 75</td><td>3</td><td>B</td></tr><tr><td>65 ≤ S < 70</td><td>2.7</td><td>C+</td></tr><tr><td>60 ≤ S < 65</td><td>2</td><td>C</td></tr><tr><td>55 ≤ S < 60</td><td>1</td><td>D</td></tr><tr><td>S < 55</td><td>0</td><td>E</td></tr></table> 4. Students who have not achieved a minimum passing standard of 2.00 or (C), have the opportunity to improve their grades through remedial teaching given by the lecturer before giving the results of the assessment (yudisium).
Prerequisites course(s)	:	Students have passed 114 credits
Program Learning Outcome(s)	:	PLO-1 To master physics concepts and a scientific mindset based on natural phenomena that support physics learning in schools and further education PLO-2 To master the principles of digital literacy in physics learning innovations based on contextual science and technology PLO-3 To use mathematical, computational, and instrumentation concepts to support understanding of physics concepts PLO-5 To design, execute, analyze data and evaluate experiments PLO-6 To plan, implement, and evaluate physics learning in curricular, co-curricular, and extracurricular settings PLO-7 To master resource management in the implementation of classes, physics laboratories, and educational institutions PLO-8 To develop yourself through formal and non-formal education PLO-10 To communicat effectively in Indonesian and English PLO-11 To work independently and in teams to apply scientific concepts in the community PLO-12 To show divinity, humanity, ethics, nationalism, culture, independence, and professionalism in the field of physics education
Targeted Learning Outcome(s)	:	CLO-1 Able to Master the principles of developing ICT-based physics learning media and physics experiments CLO-2 Able to Design and build physics learning tools and activity-based physics experiments to develop students' thinking skills CLO-3 Able to Master the principles of developing ICT-based physics learning media and physics experiments CLO-4 Able to Design and build ICT-based physics learning media CLO-5 Able to Master the principles of developing physics learning media and physics experiments based on the surrounding environment CLO-6 Able to Design and build physics learning media and physics experiments based on the environment
Content	:	BK-1 Development of experimental tools / learning media / teaching devices according to applicable standards / references

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<tr><td></td><td></td><td>BK-2 Writing and Presentation of paper reports</td></tr>
<tr><td>Assessment and Evaluation</td><td>:</td><td>
<table>
<tr><td>Participatory activity (Case Method)</td><td>0</td></tr>
<tr><td>Project Product (Individual project)</td><td>100%</td></tr>
<tr><td>Knowledge</td><td>Tugas : 0
Quiz : 0
Mid-term Exam : 0
Final Term Exam : 0</td></tr>
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The evaluation of the courses is carried out by the lecturer and the results of the questionnaires are filled in by the students (Reliability, Responsiveness, Assurance, Empathy, Tangible)
</td></tr>
<tr><td>Forms of Media</td><td>:</td><td>Video Conference, LMS, Slide Presentation, Proyektor, Whiteboard</td></tr>
<tr><td>References</td><td>:</td><td>-</td></tr>
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