

Email: [ipa.fmipa@um.ac.id](mailto:ipa.fmipa@um.ac.id)

Website: <http://ipa.fmipa.um.ac.id/>

Module designation	Development of Science Learning Media and Resources
Module level, if applicable	Undergraduate
Code, if applicable	PIPAUM6406
Subtitle, if applicable	-
Courses, if applicable	-
Semester(s) in which the module is taught	Odd/Spring Term
Person responsible for the module	Dr. Munzil, M.Si
Lecturer	Dr. Munzil, M.Si
Language	Bahasa Indonesia
Relation to curriculum	Compulsory, 5 <sup>th</sup> semester.
Type of teaching, contact hours	Colaboration, Presentation, Direct Instruction: 3 x 50 = 150 minutes.
Workload	<ol style="list-style-type: none"> <li>1. Class Activities: 3 x 50 = 150 minutes (2.5 hours) per week.</li> <li>2. Exercises and Assignments: 3 x 60 = 180 minutes (3 hours) per week.</li> <li>3. Private study: 3 x 60 = 180 minutes (3 hours) per week</li> </ol>
Credit points	3 credit points (~4.76 ECTS cr-eq)
Requirements according to the examination regulations	Minimum of attendance is 80% for a semester
Recommended prerequisites	-
Module objectives/intended learning outcomes	<p>After completing this module, students are expected to:</p> <p>LO 6: master developmental psychology and learning theories to design, implement, and evaluate innovative and productive science learning oriented to develop students' capability and adaptability towards curriculum, technology, and environmental changes along with the upholding of social sensitivity, cultural, view, and religious diversity.</p>
Content	This course covers the following six main topics: 1) The technique of science learning content analysis, 2) Students

	characteristics analysis, 3) The models of learning media development, 4) The technique of learning media design, 5) Web-based learning, and 6) Operation system platform.
Study and examination requirements and forms of examination	Assignment, Midterm, Final Examination, Product
Media employed	Slide Show, Video, White Board, and Moodle (SIPEJAR)
Reading list	<ol style="list-style-type: none"> <li>1. Kaumi, Jack. 2006. Designing Video and Multimedia for Open and Flexible Learning. Routledge</li> <li>2. Sanjaya Mishra. 2005. Interactive Multimedia In Education and Training. Idea Group Publishing.</li> </ol>
Date of last amendment made	May, 2020