



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN
TEKNOLOGI UNIVERSITAS LAMPUNG

FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN
JURUSAN PENDIDIKAN MATEMATIKA DAN ILMU PENGETAHUAN ALAM

Jl. Prof. Dr. Sumantri Brojonegoro No.1 Gedong Meneng - Bandar Lampung Telp./Fax: (0721) 704624

e-mail: fkip@unila.ac.id, laman: <http://fkip.unila.ac.id>

The Qualification profile of Undergraduate **Program of Biology Education (UPBE)** University of Lampung and its specifications is presented in **Table 1**.

Table 1. The Intended Qualification (Graduate) Profiles of UPBE

Graduate Profile	Specification
Biology Educator	Educator in the field of biology
Researchers	Researcher for education and in the field of biology
Edupreneur	Edupreneur education in the field of biology

The **Program Education Objective (PEO)** of UPBE

1. Developing graduates able to master knowledge/skills in the field of pedagogy and biology concepts to perform their professional or entrepreneur tasks
2. Having graduates able to do research, learning innovations for developing professional skills to solve education problems
3. Having a strong and good personality of graduates able to compete globally

The Program Education Objective (PEO) of UPBE (Undergraduate Program of Biology Education) becomes a reference in describing PLO on **Table 2**

Table 2. PLO of UPBE

Competency SSC-ASIN	Aspect	PLO	Description
Specialist Competences	Knowledge	PLO1	Mastering the concepts of education in general and science deeply (work skills and laboratory management)
		PLO2	Mastering the biology concept with comprehensive
		PLO3	Mastering principles of TPACK (Pedagogy, Technology, and Content Knowledge) in biology learning
	Special Skills	PLO4	Can design, implement, and evaluate biology learning that develops higher order thinking skills and character of students.
		PLO5	Able to observe and solve problems of science education and learning, especially biology
		PLO6	Have an entrepreneurial spirit based on sustainable development (sustainable resources).
Social Competences	General Skills	PLO7	Able to apply logical, critical, systematic, and innovative thinking in the context of the development or



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Competency SSC-ASIIN	Aspect	PLO	Description
			implementation of science and technology that pays attention to and applies humanities values in accordance with their field of expertise;
		PLO8	Able to compile a scientific description of the results of the studies mentioned above in the form of a thesis or final project report, and upload it on the university's website;
		PLO9	Able to maintain and develop a network with supervisors and colleagues, both inside and outside the institution;
		PLO10	Able to document, store, secure, and retrieve data to ensure validity and prevent plagiarism.
	Attitude	PLO11	Fear of God Almighty and able to show a religious attitude by appreciate the diversity of cultures, views, religions, and beliefs, as well as the opinions or original findings of others
		PLO12	Internalize the spirit of collaboration, struggle, and entrepreneurship.

The correlation between the PLOs and the PEOs regards to the aspects as follows at **Table 3**

Table 3. Matrix of correlation between Program Education Objective (PEO) and the Program Learning Outcomes (PLO) of UPBE

PLO	Mastering knowledge/skills in the field of pedagogy and biology concepts to perform their professional or entrepreneur tasks (PEO 1)	Having capability to do research, learning innovations for developing professional skills to solve education problem (PEO 2)	Having a strong, good personality, and the ability to compete globally (PEO 3)
PLO1	√	√	
PLO2	√	√	
PLO3	√	√	√
PLO4	√	√	
PLO5	√	√	√
PLO6	√	√	
PLO7	√	√	
PLO8	√	√	√
PLO9	√	√	
PLO10	√	√	√



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PLO	Mastering knowledge/skills in the field of pedagogy and biology concepts to perform their professional or entrepreneur tasks (PEO 1)	Having capability to do research, learning innovations for developing professional skills to solve education problem (PEO 2)	Having a strong, good personality, and the ability to compete globally (PEO 3)
PLO11			√
PLO12	√	√	