

# **Development Blended Learning-Based Lecturing on Curriculum Development and Biology Learning to Enhance Learning Independence and Mastery of Material**

**by Paidi**

## **ABSTRACT**

Self regulated learner is one of the abilities demanded by students to be successful in life in the era of disruption, in addition to several other skills. Development of Curriculum Development and Biology Learning Based on Blended Learning, intended to increase learning independence and mastery of material for students of the Biology Education Magister Program, especially in Graduate School Yogyakarta State University (YSU).

To achieve this goal, research and development (R&D) is carried out using ADDIE. The draft product that has been uploaded at Besmart UNY (YSU official LMS) is validated through peer validation by allied lecturers and ICT experts. The results of the validation state that the blended learning model in the Curriculum Development and Learning courses is feasible to be applied as a medium and at the same time as teaching and learning materials for students of the Biology Education Study Program Graduate School YSU.

The observations during implementation in lectures conducted in Even Semester 2018/2019 in Class B, show that students can use the information and material set as blended learning in Besmart UNY for self regulated learning, both individually and in groups. Students can also do quizzes and assignments in this LMS well with very satisfying results. Non-online activities (offline) designed in this blended learning by students are also considered to be very useful for confirming and clarifying various kinds of ambiguities and doubts found during online learning.

Based on the observations during the lecture, it can be concluded that, blended learning can support increasing learning independence and increasing understanding of lecture material for Master of Biology Education Study Program PPs UNY. Need to be continued through the implementation of blended learning in the next semester (academic year) with more intensive observation, to find out the effectiveness of this blended learning on the independence of divide, mastery of lecture material, and perhaps other abilities that are considered relevant

*Kata Kunci: Blended learning, self-regulated learning, master of biology education*