BLENDED LEARNING EFFECTIVITY TO ENHANCE CREATIVITY AND GRAPHIC REPERESENTATION ABILITY OF PHYSICS EDUCATION STUDENTS

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ABSTRACT

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Abstract
Creative thinking has become a competency that must be possessed by students at industrial revolution 4.0. The main goal of science education throughout the world is to achieve critical thinking. Physics learning must fulfil 21st century skill principles, one of which is the development of creative thinking abilities and the use of technology for learning This is because creative thinking skills are needed in aspects of personal and professional life The development of creative thinking skills in various academic graduates is so important because, it can be beneficial in life. The use of various types of representations is influential in representing ideas. This can be represented in various forms of representation namely verbal, drawing, graphical, and mathematical.
Blended learning is the main focus of students. Learners must be independent at a certain time and be responsible for their learning. Blended learning atmosphere will require students to play a more active role in learning. Students make the design and search for material with their own efforts and initiatives. Blended Learning does not mean replacing conventional learning models in the classroom, but it strengthens the learning model through the development of educational technology.
The urgency of this research underlines that student should be completed with creativity relevant to their future life in order to be able to compete not only with peers from their own country, but also from other countries. It mandates universities to create intellectual individuals who have quantitative reasoning capabilities, critical thinking, creativity, good verbal communication, innovative ability, problem solving, collaborative skills, and future vision.

Kata Kunci: *creativity, graphic, blended learning*