

DEVELOPMENT OF FLIPPED CLASSROOM LEARNING MODEL IN COMPUTER SYSTEM ORGANIZATION COURSES

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ABSTRACT

This study aims to develop flipped classroom-based learning for the Computer System Organization course. Development includes pre-class content development, class activity development, and evaluation. Evaluation is used and find out the reverse class compared to web-based learning.

This research was motivated by the unpreparedness of students (learning at home) and lecturers (teaching at home) during the Covid-19 disaster. Even lecturers who already have material in e-learning have the learning content not ready to be used independently by students. This research is a development research (R&D) which aims to develop and produce a learning product. The development model used is Web-Based Instructional Design (WBID). The basic stages of the WBID model include analysis, evaluation planning, concurrent design, implementation, and evaluation. The product of this research is the Computer System Organizational Learning based on the flipped classroom, in the form of pre-class content and activities in the classroom. Pre-class activities are asynchronous online learning, while class activities are synchronous and asynchronous. The effectiveness of this learning model was tested using the experimental method of nonequivalent control group design. The result of the research is the flipped classroom learning model for the Computer System Organization course which consists of pre-class learning content, physical classroom activities, and the effectiveness of flipped classroom learning.

Kata Kunci: *Flipped learning, e-learning, blended learning*