

DEVELOPMENT OF BLENDED LEARNING BASED ON VIDEO ON COMPUTER NETWORK COLLEGE

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ABSTRACT

This research is an R&D research that aims to develop an online course with a video-based blended learning model that is accessed on the UNY e-learning site at <http://besmart.uny.ac.id/v2> as a learning medium in the Computer Network course for students of the Informatics Engineering Education Study Program, Department of Electronics and Informatics Engineering Education, Yogyakarta State University.

This development research refers to the development model of Integrated Learning Design Framework (ILDF). The development of learning media products is based on the Computer Network RPS. Product trials are carried out in 2 stages, namely alpha testing and beta testing. Alpha test was conducted by 2 experts consisting of 1 material expert and 1 media expert. While the beta test was conducted by 39 second semester students of Informatics Engineering Education Study Program. The instruments used in this study include instruments for product development and product evaluation instruments.

Alpha test results by material experts and media experts obtained "Very Good" results. While the results obtained from the beta test get "Good" results. So that the product developed is suitable for use in learning Computer Network courses. The effectiveness of the developed media products is based on the results of summative evaluations (the results of the pretest and posttest competency results) through the paired sample t-test t test shows that the product developed has proven to be effective in improving student learning outcomes.

Kata Kunci: *blended, course, beSmart*