

ABSTRACT

ANDI NOVRIANSYAH. *NIM: 3215122015. Development of E-Handout Material of Android-Based Physics Equipped with Visual Audio for High School Students of Class XI Semester I. essay. Jakarta: Physics Education Study Program, Faculty of Mathematics and Natural Sciences, Jakarta State University, February 2017.*

This research is aimed to develop a teaching product of physics-based e-physics e-handout and audio visual for high school students of class XI semester I. This research uses Research & Development (R & D) with Dick & Carey model modified by Atwi Suparman into Instructional Development Model (MPI). Product feasibility test is done to material expert and media expert, obtained by percentage of material expert 81,67% with excellent interpretation and media expert 93,13% with very good interpretation. The product test was conducted to physics teacher and 32 students, got percentage by physics teacher 89,48% and by 87,37% for all components with 86,88% for content fulfillment component, 88,75% For component of presentation, 87,88% for easy to see component, 86,75% for interesting component, 87,19% for useful and useful component, 87,50% for well structured component and 86,67% for effective and efficient component. The effectiveness test using the gain test obtained a result of 0.65, which indicates an increase in knowledge with moderate interpretation. Based on the results of validation and testing, the development of e-physics-based android-based e-physics teaching materials equipped with audio vsual for high school students of class XI semester I can be classified in the appropriate category to be used as a complement of physics teaching materials.

Keywords: e-handout, android, audio visual.