

ABSTRACT

Niswah Tamsyi Sadida. 2023. **DEVELOPMENT OF INTERACTIVE PHYSICS LEARNING MEDIA BASED ON ANDROID APPLICATIONS USING ADOBE ANIMATE CC INTEGRATED WEBSITE GENIALLY ON NEWTON'S GRAVITY LAW MATERIALS**

This study was motivated by the difficulties experienced by physics teachers in delivering learning materials to students due to the need for more technology-based learning media facilities available at the research school. It caused as many as 72% of 32 students in class X MIPA 2 to feel bored and need help understanding the material presented. The efforts made by researchers to overcome these problems are to develop interactive physics learning media based on Android applications using Adobe Animate CC integrated with the Genially website on the material of Newton's Law of Gravity. The method used in this research is the Research and Development (R&D) method with the 4D development model (Define, Design, Develop, and Disseminate). However, this study only reached the Develop stage because the purpose of this study was only to assess the validity and practicality of the products developed. The Define stage is carried out by analyzing the curriculum, formulating learning objectives, and analyzing student needs. The Design stage includes media selection and making media frameworks. The Develop stage includes making products in the form of Android applications, media validation by three material experts and three media experts, and practicality testing by distributing product practicality questionnaires to class X physics teachers and class X MIPA 2 students at SMA Negeri 2 Ciamis. The average final score of the overall validation of material and media experts obtained the same result of 0.86 with a very valid category. The results of the product practicality test by teachers were 0.92 with a very practical category, and the product practicality test by students was 0.82 with a very practical category. Thus, the android application developed was declared very valid and very practical to be used in learning.

Keywords: Adobe Animate CC, Android Application, Newton's Law of Gravity, Learning Media, Website Genially.