

## **STUDENTS' LEARNING OUTCOME IN CHEMISTRY LEARNING USING ANDROID APPLICATION**

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### **Abstract**

The use of technology-based media on android devices has begun to be used in learning widely. The use of technology-based media on android devices has begun to be used in learning widely. This research aimed to develop an android-based learning media and to find out the effect of learning media to improve learning outcome. This research is Research & Development (R&D) which used the ADDIE development model (Analysis, Design, Development, Implementation, and Evaluation). The instruments of data collection consisted of media validation sheet and learning outcome test. The result obtained in this research was that learning media on the subject matter of acid and base. Students' learning outcome data were analyzed by ANOVA. The result showed that the media feasibility assessment were categorized as good by material experts, media experts, peer reviewers and chemistry teachers and students in small-scale trials. ANOVA test showed that the use of android learning media in chemistry learning can affect students' learning outcome.

**Keywords:** Android application, learning media, learning outcome, chemistry learning.