

THE DEVELOPMENT OF THE STUDENT WORKSHEET USING ANDROID ON HYDROLYSIS OF SALTS

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ABSTRACT

This research aims to know the stages of the development of the student worksheet using android on hydrolysis of salts, and knowing the quality of the media learning android-based chemistry that has been compiled. The student worksheets using the android developed are used as media of instruction is practical, economical, and moveable facilities owned by the learners. Learning media development chemistry that uses the android carried out using procedural models which adapt the five stages of early model Borg and Gall. Five stages of chemical learning media development that use android include the stage of planning, organizing, implementation, assessment, and data analysis. In the first stage the initial product of this study was assessed by a media expert, material expert. At the second stage the product is rated by 3 chemistry teacher. At the last stages of this product in a test run by the students of Class XI IPA SMA N 1 Tebing Tinggi. The results of this research is to study the chemical media using android on the material in the form of salt hydrolysis application mobile android named quiz hydrolysis of salt. The results of the assessment of media experts and expert material obtained an average score of (\bar{X}) 137.5 of the scale of assessment of between 5-1 so it has a "good" quality category by the idealization percentage of 83.3%. The results of the 3 chemistry teacher obtained an average score of (\bar{X}) 149 the assessment scale between 5-1 so it has the category "very good" quality with a idealization percentage of 90.3%. The results of the assessment of the learner obtained an average score of (\bar{X}) the scale of assessment of 79.02) between 4-1 so it has the category "very good" quality with a idealization percentage of 85.9%. From the results of the assessment, learning media can be used as a medium of learning practical, economical, moveable, and in accordance with the domelike facilities learners.

Keywords: *learning media, android, applications*

