THE DEVELOPMENT OF STUDENT'S WORKSHEET BASED ANDROID MOBILE ON SALT HYDROLYSIS TOPIC

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ABSTRACT

The development of student's worksheet based android mobile on salt hydrolysis topic held to help student and teacher in learning process. The study is aimed to obtain a good learning material in salt hydrolysis topic which can improve student outcomes and student motivation to learn. The study was conducted through the development, innovation, integrity of learning in android mobile on salt hydrolysis after implementation of student's worksheet based android mobile to students. The population of this study was all of the XI IPA students in SMA N 1 PERBAUNGAN. Sample in this research was taken based purposive sample there are 2 class XI IPA 2 as control class and XI IPA 2 as experiment class. Experiment class learn by using the development of student's worksheet based android mobile on salt hydrolysis topic, while the control class learn by using strudent's worksheet from school. The result show that : (1) The quality of the android-based student worksheets that have been compiled feasible for use. (2) The quality of the android-based student worksheets that have been compiled are not feasible for use. (3) Student worksheets based android increase the interest / motivation and self-learning of students. Based on data the price of $t_{count} > t_{table}$ (8,32 > 2,0021). Thus H_0 is rejected and H_a is accepted, meaning that student learning outcomes by using a student worksheet based android are higher than using a student worksheet used in SMA N 1 PERBAUNGAN. From the calculation, it was obtained $3{,}25 < FS \leq 4{,}0$ which was $3.25 < 3.793 \leq 4.0$, so the increase in data on the results of student learning motivation in the experimental class was stated to be very good.

Keywords : *student's worksheet, android, student outcomes, salt hydrolysis.*