

THE DEVELOPMENT OF STUDENTS' WORKSHEET BASED ANDROID MOBILE ON BUFFER SOLUTION TOPIC

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ABSTRACT

The research aimed to obtain a good learning material in buffer solution topic which can improve student outcomes and student motivation to learn. The development of students' worksheet based android mobile on buffer solution topic held to help student and teacher in learning process. The research conducted at SMA N 1 TEBING TINGGI all of the XI IPA students. Sample in this research was taken based purposive sample there are 2 class XI IPA 6 as experiment class and XI IPA 7 as control class. Experiment class learn by using the development of student's worksheet based android mobile on buffer solution topic, while the control class learn by using student's worksheet from school. The result show that The quality of the android-based student worksheets that have been compiled feasible for use. The Student worksheets based android increase the interest / motivation and self-learning of students. Criterion of hypothesis was received H_a if the value of $t_{count} > t_{table}$. Based on data the price of $t_{count} > t_{table}$ ($8,239 > 2,000$). 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 school.

Keywords : Students' Worksheet, Android Mobile, Buffer Solution.

