

**THE DEVELOPMENT OF INQUIRY TRAINING STUDENTS'  
WORKSHEET BY USING ANDROID  
ON ACID BASE TOPIC**

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**ABSTRACT**

The objectives of this research are to know the properness of android based student worksheet as practical and economical learning which has been compiled, know the student learning achievement by using android based student worksheet and know the student learning motivation by using android based student worksheet. This research was conducted at SMA Negeri 14 Medan in March-April 2019. The method of this research is Research and Development (R and D) with the ADDIE development model. The properness of android based student worksheet on Acid-Base material has a Very Good (VG) quality category in media validation with average total is 3.82 (96%) and 3.84 (96%) in material validation. Data of pretest and posttest was declared normal and homogeneous. Based on the result of hypothesis testing that the value of  $t_{count} > t_{table}$  ( $12.14 > 1.994$ ) so  $H_0$  is rejected and  $H_a$  is accepted, thus mean student learning achievement by using an android based student worksheet is higher than using a student worksheet that already exists in school. Researcher sees the learning motivation of student by gives a questionnaire and the results are learning motivation of student in experiment class categorized as very good while in control class categorized as good.

*Keywords* : Student Worksheet, Android, Acid base