

**THE EFFECT OF USING *WORK PREPARATION SHEET* MEDIA AT THE
STANDARD OF COMPETENCE USING HAND TOOLS ON THE STUDENTS'
LEARNING ACHIEVEMENT IN SMK 2 WONOSARI**

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Abstract

The aims of this research is to know the effect of using *Work Preparation Sheet* media on the students' learning achievement and to know the learning achievement of the students grade X of Mechanical Engineering program in SMK 2 Wonosari at the standard of competence using hand tools.

The research uses experimental design with posttest only non equivalent control group design. It was conducted in SMK 2 Wonosari in three effective meetings during May, 9 2011 until June, 13 2011. The population was taken from three classes and the samples were taken from two classes in which one class was the control group and another class was the experiment group. This research focus on the effect of using *Work Preparation Sheet* media on the students' learning achievement and it was compared with the result of using *job sheet* media at the standard of competence using hand tools. Collecting data was conducted by taking the result in practicing of using hand tools. Analyzing data was preceded by holding normality and homogeneity test. Then, it was found that the two normal distribution samples had homogeneity variants. Those homogeneity variants were analyzed using t-test formula of two independent samples with significance 0.05.

Work Preparation Sheet has positive effect on the students' learning achievement. This is acquired by the average values from the experiment class that shows 75.81. The percentage of the students who get fair value is 9.67% from 31 students. On the other hand, the mean of the control class is 72.78. The percentage of the students who get fair values in the control class is higher than the students in the experiment class; it reaches 25 % from 32 students. By using t-test formula, WPS has significant effect on the students' learning achievement; with t count $2.21 > t$ table 19.80 at the significant level 0.05.

Keywords: study media, *Work Preparation Sheet*, using tools of hand.