

**THE INFLUENCE OF FLASH MEDIA TO THE LEARNING
ACHIEVEMENT OF COMPETENCY STANDARD OF USING HAND
TOOLS COURSE IN SMK NEGERI 2 PENGASIH**

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ABSTRACT

The purpose of this research is to reveal the influence of learning media of macromedia flash that is used to support the learning process using hand tools in SMK Negeri 2 Pengasih. This flash based animation media is the media which has been validated by the material and media experts.

The research method is quasi experimental with the design of pretest-posttest, non-equivalent control group design which took place in the department of Mechanical Engineering of SMK Negeri 2 Pengasih. The data collection was done by using instrument in form of objective test with four multiple choices while the analytical test to analyze the data was using Mann Whitney U-Test.

Flash based animation media had positive influence to the learning achievement of Competency Standard of Using Hand Tools in SMK Negeri 2 Pengasih. It proved from the average score of the experimental class treated using flash media which was higher from the control class with conventional learning technique. The posttest score average of experimental class was 8,23 and the score average of control class was 7,59. From the result of hypothesis testing analysis, there was a significant difference of learning achievement between students who used flash media and those who did not in the learning of using hand tools in SMK Negeri 2 Pengasih.

Keywords : learning media, macromedia flash, using hand tools