

ABSTRACT

THE INFLUENCE OF HANDOUT IMPLEMENTATION ON REPAIRTION THEORY COURSE OF AUTOMOTIVE ELECTRICAL SYSTEM TOWARD STUDENT LEARNING OUTCOMES FOR XI CLASS OF LIGHT VEHICLE ENGINEERING DEPARTMENT IN SMK MUHAMMADIYAH 3 YOGYAKARTA

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One of the causes of low student learning outcomes is less precise application of the appropriate use of learning models with the learning material being taught. It is therefore necessary to develop an alternative learning. One of the alternatives is the use of handout media. The purpose of this study was to determine the effect of media use handouts for student learning outcomes, are there differences in learning outcomes between the classes are taught using a handout with the class that was taught without a handout on the competence of maintenance / repair ignition systems of students class XI Light Vehicle Technical Skills Program at SMK Muhammadiyah 3 Yogyakarta.

This type of research is experimental research using Quasi-experiment research design Control Group. The population in this study was a class XI student TKR SMK Muhammadiyah 3 Yogyakarta, the number of 136 students. The samples were taken by purposive sampling technique. The number of sample of 62 students are divided into the experimental group MOB class XI and class XI in the control group MOA with the number of each group as many as 31 students. The data collection technique was using the test. The validity of this instrument was through the opinions of experts (Expert judgment), the trial about the matter and grain analysis. Prerequisite test analysis was using the test for normality and homogeneity test. Data analysis technique used is the t-test model of one-party Separated variants. For the analysis of the significance level was set at 5%.

Based on the analysis of research data can be concluded that the results of studying the electrical system of automotive repair class students who are taught using a media handout is higher than the results of studying the electrical system repair automotive-grade students who were taught using the learning without the media handout. This is evidenced by the results where $t\text{-calculated} > t\text{ table}$ is equal to $4.289 > 1.671$ with an average acquisition classes are taught using handouts higher than the grade being taught without using the handout that is equal to $7.15 > 6.51$. Thus, the use of media handout had positive effect on student learning outcomes.

Keywords: handouts and results of the study.