AUDIO VISUAL MEDIA DEVELOPMENT LEARNING AS A COOLING SYSTEM IN EFFORTS TO IMPROVE STUDENT LEARNING ACHIEVEMENT IN INDUSTRY SMK YOGYAKARTA

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ABSTRACT

This study aims to: (1) generate a medium of learning in the form of computer software, as a medium of learning that can improve student achievement in vocational Industry Yogyakarta, (2) Know the quality of audio visual media in accordance with the criteria of quality automotive media of learning is good for SMK, (3) Produce audio visual media in learning the proper cooling system is implemented as a medium of learning in vocational Industry Yogyakarta.

This study can be classified as research and development (Research and Development) performed at the Department of Automotive Engineering at SMK Industry Yogyakarta. This study of the development of audio visual media subjects learning the cooling system. The data were collected using a questionnaire (questionnaire) and about the test (pretest & posttest). Techniques of data analysis performed using a qualitative descriptive analysis, and testing the application of media conducted by comparing pretest and posttest results of the two groups using visual and audio media are not using audio visual media.

The result of this study was the audio visual medium of learning. Development of learning media otherwise excellent for use on a due diligence according to media expert learning with total percentage of 81.6%, a material with a percentage of total by 85%, subject teachers with the assessment of the total percentage of 90%, a small group of test results with the percentage of total amounting to 87.1% and a large group trials with a total percentage of 86.7%. Learning with audio visual media has proven its effectiveness for improving learning achievement. From the test results can be concluded that learning with audio visual media are developed very well used to support learning in the subject and effective cooling systems to improve student achievement.