

Development of Variable Speed Drive Training Kit as a Media of Motor Control Practice in Vocational Education

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ABSTRACT

This study aims to determine the performance and level of feasibility of a variable speed drive training kit for electric motor control practice media. This type of research is research and development with the ADDIE model. The stages of development are Analyze, Design, Development, Implementation, and Evaluation. Feasibility testing is conducted by validation of the material experts, media experts validation and testing to the user. The results of this research produced a unit of Training Kit Variable Speed Drive module using Altivar 71. Based on tests, Training Kit Variable Speed Drive can work well. Feasibility test results from media experts are included in the very feasible category with a percentage of 97.19%. The results of the feasibility test from the material experts are included in the category of very feasible with a percentage of 94.17%. Feasibility test results from users are included in the very feasible category with a percentage of 91.85%.

Kata Kunci: Motor control, Training kit, Variable speed drive