

# **TRAINER COLOR TELEVISION WITH DIGITAL SETTINGS AS A LEARNING MEDIA ON TELEVISION RECEIVER SYSTEM IMPROVEMENTS LESSON**

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## **ABSTRACT**

This study aims to create a design trainer color television with digital settings, determine the performance of a trainer color television with digital settings, and to test the feasibility of a trainer color television with digital settings as a medium of learning in subjects receiving television repair system in vocational schools. This study uses a method of research and development. Object of this study is a trainer color television with digital settings. Product development phase includes 1) Analysis, 2) Design, 3) Implementation, 4) Testing, 5) Validation, and 6) the use of trial. Methods used in collecting data include 1) testing and observation of performance, 2) Questionnaire study. validation of a medium of learning involving two expert learning materials and three expert instructional media, test usage by 33 students. The results showed that the trainer color television with digital settings can be worked in accordance with the objective being able to demonstrate 16 simulated real damage to the television so that it can make students more careful and scrupulous in observing symptoms on color television. Results of the content validation test instructional media from this study obtained a percentage of 89.9% so it makes a very feasible category. Construct validation test in this study obtained the percentage of 88.99% thus categorized as very feasible. testing the use of vocational students, the percentage obtained was 76.44% so it makes a very feasible category

*Keywords: Research and Development, color television, TV trainer, learning media*