ABSTRACT

DEVELOPMENT OF ELECTRONIC MEDIA INTERACTIVE LEARNING BASIS FOR ELECTRONIC INDUSTRIAL ENGINEERING (STUDY CASE SMK PRAKARYA INTERNASIONAL BANDUNG)

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Learning Basic Electronics Engineering Department of Industrial Electronics Engineering at SMK Prakarya Internasional Bandung has a problem. Based on interviews with teachers at SMK Electronics Engineering Association Prakarya Internasional Bandung stated that students are often difficulties in calculating the value of electronic components. Difficulties students have a lot of class X is felt especially in the first half because at half of these students are faced with calculations of the value of a basic electronic components.

This study aimed to generate media interactive learning basic electronics for industry electronics engineering department at SMK Prakarya International Bandung in order to assist students in learning to calculate the value of electronic components so that students can be more skilled in calculating the value of electronic components. The availability of computer labs in schools must be able to support the learning process. The condition can be satisfied by the existence of a solution is to build an interactive learning media for SMK basic electronics engineering electronics engineering industry.

Based on the results of research that aims to help students to learn calculate the value of electronic components , namely by producing interactive learning media for calculating the value of electronic components . With the learning media is certainly becoming a tool that can be used to help the learning process of students in learning calculate the value of electronic components , about 85 % of students admitted quite helped by the application of this learning media.

Keywords: Basic Electrical Engineering, Learning Media, Interactive.