

**THE DEVELOPMENT OF LEARNING MEDIA USING *POWERPOINT*
ON ENGINEERING DRAWING COURSE X CLASS OF AUTOMOTIVE
ENGINEERING DEPARTMENT AT SMK MUHAMMADIYAH 1 BANTUL IN
ACADEMIC YEAR OF 2010/2011**

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ABSTRACT

The purpose of this study are: (1) to produce a learning media by using PowerPoint on the subject of basic techniques of drawing on Class X Department of Automotive Engineering at SMK Muhammadiyah 1 Bantul academic year 2010/2011 (2) to know the quality of learning media by using PowerPoint in terms of aspects of content, aspects of learning and aspects of media on the subject of basic techniques of drawing on Class X Department of Automotive Engineering at SMK Muhammadiyah 1 Bantul academic year 2010/2011, and (3) to find whether there is an increase in student learning outcomes after learning by using learning media made with a PowerPoint on the subject of basic techniques of drawing on class X Department of Automotive Engineering at SMK Muhammadiyah 1 Bantul academic year 2010/2011.

This study is a research development. Test subjects or respondents involved in this study amounted to 42 people with the details of one students for the validation of the basic engineering drawing materials, one students to validate the truth of the concept of instructional media, 5 students for individual tests, 10 students to test small groups and 25 students for field trials. Data obtained in this study is quantitative data that will be converted into qualitative data. The data provide a snapshot of the quality of learning materials, the quality of learning strategies and the technical quality of the learning media of basic techniques in computer-based drawing. Data were collected using a questionnaire and analyzed by using quantitative descriptive techniques.

The results of this study were: (1) learning media by using a Powerpoint on the subject of basic drawing techniques have been successfully developed through the stages of designing, producing, evaluating and revision, (2) the quality of media products of learning basic drawing techniques as a whole, included in the high category with the average total of 3.76 so that it is worth to be used as one alternative learning resources that can help to solve the problem of learning basic drawing techniques, (3) an increased understanding of student learning, demonstrated by the results of their study with a mean pre-and post-test 54.8 test 79.9 (up 25.1%), and (4) learning media by using PowerPoint can be effective because the level of student learning exhaustiveness is 90% of the prescribed standard of 70%.

Keywords: media development, Powerpoint, basic drawing techniques.