INTERACTIVE LEARNING MEDIA DEVELOPMENT ON EDUCATION PNEUMATIC USING MACROMEDIA FLASH 8 CLASS STUDENT XI ELECTRONIC INDUSTRY SKILLS COMPETENCY SMK MUHAMMADIYAH PRAMBANAN

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ABSTRACT

The purpose of this thesis final project for developing interactive learning media on subjects pneumatic and determine the level of feasibility Developing interactive learning media on subjects pneumatic class student XI Electronic Industry Skills Competency SMK Muhammadiyah Prambanan.

The research method used in this study is a type of research and development. Research Procedures memalui five stages of development, namely: analysis, design, development, implementation and assessment. The fifth stage is called Multimedia System Development Life Cycle in Education. The development of instructional media is using Macromedia Flash 8. Determining the feasibility of interactive learning media pneumatic based on expert validation test media by media expert lecturers of the Faculty of Engineering UNY, subject teachers pneumatic Electronics Industry Skills Competency SMK Muhammadiyah Prambanan and students' opinions through questionnaires.

The results of the feasibility study the development of instructional media specialist pneumatic testing revealed through media, material experts and students' opinions. Percentage of assessment by the media expert instructional media expert lecturers of the Faculty of Engineering UNY by 80%, so it can be interpreted that the development of instructional media in the category of pneumatic fit for use as a medium of learning. The percentage of assessments that matter experts pneumatic subject teachers at SMK Muhammadiyah Prambanan 89.23%. These results can be interpreted that the material in the development of instructional media in the category Pneumatic very decent. Students' opinions as the user reaches 79.07%, so that in the category of worth. Students can understand the material and are interested in the use of interactive learning media pneumatic.

Keywords: pneumatic, instructional media, interactive, and feasibility.