DEVELOPMENT OF LEARNING MEDIA FOR ANALOG AND DIGITAL ELEKTRONIC PRACTICAL INSTRUCTION IN AUTOMOTIVE ENGINEERING EDUCATIONAL DEPARTMENT FT UNY

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ABSTRACT

This research was aimed to realized : (1) descriptions of learning media for analog and digital electronic instruction which be developed by automotive engineering educational department in FT UNY, (2) appropriateness of developed instructional media in the analog and digital practical instruction. This research used research and development (RND) method. The research was performed through 10 steps, were: analyzing the problem, need analysis, designing the instructional media product, focus group discussion, creating the product, trying out in local area, revising the product, trying out in large population, revising the product, and producing the product massively. The data was collected with questionaire method, then it was be analyzed use quantitative descriptive analysis. Furthermore, the responds was collected from the respondents. According to the data analysis, the results showed that: (1) the developed instructional media was relevant with the competence requirement, safe, easy to use, capable, interesting, and easily to stored. The developed media were: logic gate media, signal generator and counter, comparator, and basic programming; (2) the developed instructional media were appropriated in all parts and all aspects based on the assessment results. According to the local and large area try out results, the test results of local try out get 3,22 in value; and for the result of tryout in large area got 3,19 in value. So it could be seen that the developed media was appropriated to used.

Kata Kunci: *Instructional media, electronic, media appropriateness*