ABSTRACT

MEDIA DEVELOPMENT LEARNING HANDOUTS APPLIED STUDY OF TREATMENT PROCESS METAL BASIC COMPETENCY DESCRIBES METAL ELEMENTS AND NATURE IN SMK 2 YOGYAKARTA

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The purpose of this research is to develop instructional media in the form of handouts to support the learning basic process of metal treatment. This research is also aimed to determine the feasibility handout has been made for learning the basic process of metal treatment.

The method used in this research is the development of research (Research and Development). The place of research in SMK 2 Yogyakarta class X Department of Mechanical engineering. Data collection techniques using questionnaires and tests to determine the feasibility of handouts evaluation. conducted by analyzing data from questionnaires and evaluation tests. The technique used to analyze the data is quantitative descriptive analysis techniques disclosed in the distribution of scores on the rating scale categories that have been determined.

The results of this research is a form of instructional media handout done in several stages: (1) field survey, (2) literature, (3) preparation of design handouts (4) validation test that includes experts of material and learning media, (5) revision handouts, (6) limited testing handouts, (7) handouts and field trials (8) use of the test, (9) handout end. Feasibility test results on the basis of metal treatment handouts developed instructional media as a whole the media get skor 4, according to the scale scores are included in the category of eligibility are very good. Matter experts reviewed the material as a whole the media get skor 4 included in the category of eligibility are very good. Students on a limited trial handouts, the overall gain score of 4, included in the category field of eligibility are very good. Handouts and field trials, overall gain score of 4 included in the category of eligibility are very good. Test the use of handouts received an average rating of 7.7 overall competence. Based on the results of tests of learning media expert, expert test meteri, product testing and test use of the above can be concluded that developed handouts fit for use as a medium of learning in the subjects basic processes of metal treatment.