

# **DEVELOPMENT OF MEDIA ON THE WEBSITE BASED LEARNING SUBJECT ON THE BASIC WELDING IN SMK MUHAMMADIYAH PRAMBANAN**

## **ABSTRACT**

**By:**

Anggit Setyo Wibowo  
Student Number: 08503242007

This research aims at, (1) describing how the process of developing Web-Based Media Lesson On Basic Welding X-class machining engineering competence SMK Muhammadiyah Prambanan, (2) describing how the feasibility of Media-Based Website developed for the X-class technical expertise of engineering competence SMK Muhammadiyah Prambanan, (3) examining the effectiveness of media-based Web site developed for the X-class technical expertise of engineering competence SMK Muhammadiyah Prambanan.

The development of instructional media website based media on subjects basic welding done in several stages, namely: (1) set of subjects, (2) a preliminary investigation, (3) making wesbite media design, (4) collection of materials, (5) development the initial product, (6) validation expert, (7) revision, (8) validation expert, (9) the final product, (10) teacher and student classroom test, (11) media the final product. The website is <http://media.anggitw.com> to access media web-based learning on basic. Welding tests conducted on the feasibility of the product as a medium of learning. Validation is done to the faculty experts of material and instructional media to get advice on the feasibility of media input in terms of material and media. Feasibility testing was conducted using questionnaires to vocational student

Validation of matter experts with a score of 49 and the average score was 4.1. Once converted to a scale of 5 indicates the criteria of "Good" with the percentage of 82%, media expert validation score obtained is 65 and the mean score was 4.53 with a percentage of 91%. Once converted to a scale of 5 indicates the criteria of "very good", the media test scores obtained by teacher number is 113 and the average score was 4.3 with the percentage of 94%. Once converted to a scale of 5 indicates the criteria of "very good", a small group of test scores obtained number is 409 and the mean scores were 3.93. Once converted to a scale of 5 indicates the criteria of "good" with a percentage of 78.65%. Test large group total score obtained was 995 and the average score was 3.83. Once converted to a scale of 5 indicates the criteria of "good" with a percentage of 75.54%. While in the pre-test and post-test with a mean value of pre-test and post-test 48.6 78.3 conclude that media-based learning feasible to use website.

**Keywords:** Media Development, Website, Basic Welding

