

## **ABSTRACT**

### **DEVELOPING JOB SHEET LEARNING MEDIA FOR OXYACETYLENE WELDING (OAW) PRACTICE AT SMKN 1 PUNDONG**

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This research aimed to develop a learning media job sheet for Oxyacetylene Welding practice and determined the feasibility of the media. The job sheet materials consist of basic metal melting for down hand, weld line for down hand and butt joint for down hand.

Research and development was used as the method of research. Media development stages were conducted in accordance with that of Borg and Gall. The data were collected by means of questionnaires and the collected data were then analyzed by means of a descriptive qualitative technique of analysis that were revealed in score distribution and category percentage of evaluation scale being established. The design validation was based on the inputs from media and material experts. Small-scale test tested on 10 students of X class and large-scale test tested on 37 students. The research had been done during October of 2011. Oxyacetylene welding job sheet learning media development was carried out and applied on practice subject of X class at SMKN 1 Pundong.

The feasibility of oxyacetylene welding job sheet learning was measured based on the students' perception. The result of development media was job sheet for three oxyacetylene welding practice. The job sheet consist of work sheet, purpose of learning, equipments, materials, safety, steps of work, manual, drawing and evaluating sheet. Job sheet assesment by lesson expert gets 55 scores (88%) with the criteria worthy on 4 scale score. Asessment by media expert 64 scores (93%) on 4 scale score in the category of worthy. Small-scale test get scores 405 (73%) with the criteria worthy on 4 scale score and large-scale test get scores 1502 (79%) criteria worthy.

Key words : Job sheet, Oxyacetylene Welding practice