ABSTRACT

THE DEVELOPMENT OF ASSESSMENT TOOLS
ON MACHINING SUBJECT
BASED ON KTSP CURRICULUM

By:

Sudaryadi
NIM. 06503241022

The main purpose of this research are (1) To develop appropriate the assessment tools to support the learning of machining subject. (2) To know the feasibility of the assessment tools developed to the learning of machining subject. (3) To know the reliability of machining subject assessment tools are tested.

The method used in this research using the approach of research and development (*Research and Development*). This research was conducted on Metal Fabrication Techniques 1 (XI TFL 1) program student at the eleventh grade of SMK Negeri Seyegan. Data collection instrument in this research consisted of two types of collection instruments in the form of questionnaires and data collection instruments in the form of assessment tools developed. Technique used to analyze data is analyze the validity/feasibility and reliability of assessment tools.

The results of this research are (1) Assessment tools machining subject consists of 3 domains/valuation aspects, namely: (a) cognitive, using a multiple choice test type and description, (b) psychomotor, use this type of product assessment, (c) affective , using the kind of attitude assessment so that assessment tools are ready for use. (2) The result of feasibility for assessment tools machining subject which developed based on material expert overall gets percentage 77.78% which means fit for use, based on evaluation expert overall gets percentage 80.79% which means fit for use. (3) Based on test results assessment tools machining subject, competency to operate the machine can be seen in the assessment of reliability coefficient of 0.709 for the cognitive aspects of objective questions and 0.703 for subjective questions, coefficient reliability at the assessment tools of 0.753 psychomotor aspects and coefficient reliability at the assessment tools of 0.896 affective aspects. Based on the reliability coefficient of the three kinds of aspects of assessment tools can be concluded that the assessment tools of machining subject, competency to operate the machine well on cognitive, psychomotor, and affective is reliable.