

**DIAGNOSIS LEARNING DIFFICULTIES OF STUDENTS ON BASIC
COMPETENCY USING MECHANICAL MEASURING INSTRUMENTS
AMONG THE FIRST GRADE OF AUTOMOTIVE DEPARTMENT SMK
TAMAN SISWA YOGYAKARTA IN ACADEMIC YEAR 2010/2011**

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ABSTRACT

This study aims at determining: (1) student learning difficulties arising from their selves; (2) Learning difficulties of students who come from the school environment; (3) learning difficulties the most experienced students on the material using mechanical measuring tools; (4) The most severe learning difficulties experienced by students on the material using mechanical measuring tools; and (5) the way to overcome the learning difficulties of students on the material using mechanical measuring tools.

This study is a descriptive research. The population was 146 students. The population in this study was the students in first grade of Automotive Engineering Program SMK Taman Siswa Yogyakarta in academic year of 2010/2011. The method of data collection was using a questionnaire with Likert scale. Data analysis technique was using descriptive techniques percentage. This technique was used to determine the magnitude of learning difficulties experienced by students in basic competency to use mechanical measuring tools.

The results of this study indicate: (1) Source of learning difficulties of students who come the students itself was high categorized, reaching 75.32%; (2) Learning difficulties experienced by students who come from school environment was low categorized, it was 40, 14%; (3) Student learning difficulties experienced by most students in basic competency to use mechanical measuring tools were on the reading material slide ruler measurement results with the level of accuracy 1 / 128 inch is equal to 64.30%; (4) Student learning difficulties experienced by the most heavily on the competence of students using mechanical measuring tools are on the reading material slide ruler measurement results with the accuracy 1 / 128 inch is equal to 25.34%; (5) The way students cope with learning difficulties on the competence of using measuring tools mechanic were by asking with friends and others who understand the material that had been taught by a teacher was 36.30%

Keyword: *Diagnosis Learning Difficulties*