

**THE COMPREHENSION'S INFLUENTIAL FACTORS CONCERNING
STRAINS AND BALANCE SCIENCE ON FIRST GRADE STUDENTS OF
BUILDING TECHNICAL EXPERTISE PROGRAM AT SMK N 2
YOGYAKARTA**

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ABSTRACT

The comprehension of first grade students on building technical expertise program at SMK N 2 Yogyakarta concerning strains and balance science at the rate of 68%, or lower than comprehension's minimum limit that is 75%-80% and effected to students's achievement. From this condition, researcher want to know the influential factors of students's comprehension. Building on that influential factors, the relevant parties can take some anticipating actions to prevent deteriorating student's comprehension. The fact above become the back ground of this research.

This research was kuantitative non experiment using ex post facto method, and located at SMK N 2 Yogyakarta, during may-june 2012. Population of this research are the first grade students on technical expertise program, they are X GB1, X GB2, and X TKBB, using nomogram Harry-King to determine sample. This research's sample are 80 students consist of 30 students from X GB1, 30 students from X GB2, and 20 students from X TKBB. Instrumen used by this research is questionnaire and analysis method is regression method of statistic analysis using SPSS v.18.0 software program.

The result of this research showing that influential factors of first grade students on building technical expertise at SMK N 2 Yogyakarta's comprehension concerning strains and balance science by virtue of partial's coefficient corelation value (R), are psychological factor (0,350), physical factor (0,320), school factor (0,316), and family factor (0,254). In a functional manner, these factors have major effect to students's comprehension.

Keywords : Comprehension, Strains and Balance Science.