

MEASUREMENT OF PROBLEM SOLVING PHYSICAL SKILLS IN HIGH SCHOOL

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ABSTRACT

The purpose of this second year research is to (1) measure the Problem Solving Skills of High School Physics students, (2) describe the strengths and weaknesses of the students' Problem Solving Skills Physics, and (3) describe the Problem Solving Skills of Physics of male and female students man. In the second year the response data of high school students in Bantul was collected, collected with the PhysTeProSS instrument, then analyzed by the PCM item repons theory. The results of the analysis obtained showed Problem Solving Skills of students in all three schools in Physics Subjects whose dominating abilities were in the moderate category as much as 48.28%. Problem Solving Skill of female students is higher than male students, namely in women $\theta = 2.65$ and in men is $\theta = 2.29$. Whereas the Information and SEM functions obtained from the tests used in female students as well as male students did not show significant differences with a range of abilities that could be measured at -0.9 to 2.3.

Kata Kunci: *measurement, Problem Solving Skills, physics senior high school*