

Developing Non-Routine Problems To Enhance The Mathematics Literacy Skills of Students

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ABSTRACT

The purpose of this study was to develop non-routine problems for measuring the mathematics literacy skills of students which is valid, practical, and effective. It is based on the previous research that says that Indonesian students' mathematical literacy is still low. The results of this study can be used as a guide in developing the evaluation questions that can train students to improve the ability of solving non-routine problems in everyday life. This research type is formative evaluation that consists of preliminary, self evaluation, expert reviews, one-to-one, small group, and field test. This research was conducted at the Junior High School in DIY with the subject population / sample were students in grade 2 that took place in odd semester of academic year 2016/2017. This study results in mathematics literacy problems prototype consisting of level 1 to level 6 problems similar to PISA problems.

Kata Kunci: non-routine problems, mathematics literacy skills