

## ABSTRAK

**Stefani Geima Sunarman. 141414045. 2018. Pengaruh Model Pembelajaran Berbasis Masalah (PBM) Terhadap Kemampuan Pemecahan Masalah Pada Materi Perkalian Dan Pembagian Bilangan Pecahan Siswa Kelas VII G SMP Negeri 1 Sleman Tahun Ajaran 2018/2019.**

Penelitian ini bertujuan untuk mendeskripsikan (1) langkah-langkah membelajarkan dengan menggunakan model PBM, (2) kemampuan pemecahan masalah siswa setelah mengikuti proses pembelajaran dengan menggunakan model PBM pada siswa kelas VII G SMP Negeri 1 Sleman.

Subjek pada penelitian ini adalah 31 siswa kelas VII G SMP Negeri 1 Sleman tahun ajaran 2018/2019. Jenis penelitian ini adalah penelitian deskriptif dengan pendekatan kualitatif. Metode yang digunakan dalam pengumpulan data ialah catatan lapangan, tes tertulis dan wawancara. Data catatan lapangan dikategorikan menjadi 5 tahapan PBM, data tes tertulis dan wawancara diklasifikasikan menjadi 2 yaitu menurut indikator soal dan indikator kemampuan pemecahan masalah.

Berdasarkan analisis yang telah dilakukan, peneliti menyimpulkan bahwa kemampuan pemecahan masalah siswa kelas VII G SMP Negeri 1 Sleman sebagai berikut: kemampuan mengidentifikasi unsur-unsur yang diketahui, ditanyakan, dan kecukupan unsur yang diperlukan sebesar 98,4%, merumuskan masalah matematik atau menyusun model matematik sebesar 54,4%, menerapkan strategi untuk menyelesaikan berbagai masalah (sejenis dan masalah baru) dalam atau luar matematika sebesar 83,5%, menjelaskan atau menginterpretasikan hasil sesuai permasalahan asal sebesar 79%, dan menggunakan matematika secara bermakna sebesar 57,25%.

**Kata kunci:** Pembelajaran berbasis masalah, kemampuan pemecahan masalah, perkalian dan pembagian bilangan pecahan.

## ABSTRACT

***Stefani Geima Sunarman. 141414045. 2018. The Impacts of Problem-Based Learning (PBM) Model towards Problem Solving Skills on the Multiplication and Division of Fraction Number Materials of VII Grade Students of SMP Negeri 1 Sleman in School Year 2018/2019.***

*This research aimed to describe (1) teaching and learning steps using PBM model, (2) students' problem solving skills after following the teaching and learning process using PBM model of VII G grade students of SMP Negeri 1 Sleman.*

*The research subject was 31 students belonged to VII G grade of SMP Negeri 1 Sleman in the school year 2018/2019. The research was descriptive research using a qualitative approach. The methods used in gathering the data were field notes, written tests, and interviews. The data of the field notes was categorized into 5 steps of PBM model, while the data of the written tests and interviews was classified into 2 parts which were based on the question indicators and problem solving skill indicators.*

*Based on the analysis that was made, the researcher concluded that the problem solving skills of the VII G grade students of SMP Negeri 1 Sleman were as follows: the skills of identifying the elements which had been known, questioned, and sufficient elements needed were equal to 98,4%, skills of formulating mathematical problems or compiling mathematical models were about 54,4%, skills of applying the strategies for solving various problems (similar problems or new problems) in or out of mathematics were about 83,5%, skills of explaining or interpreting the results in accordance with the problems were 79%, and the skills of using mathematics meaningfully were equal to 57,25%.*

**Keywords:** Problem-based learning, problem solving skills, multiplication and division of fraction numbers.