

ABSTRAK

Henny Dewiyanti Simorangkir, NIM 4171111024 (2021). Analisis Kemampuan Pemecahan Masalah Matematika Siswa SMP Dengan Penerapan Model *Problem Based Learning* (PBL).

Penelitian ini bertujuan untuk : 1) menganalisis pembelajaran menggunakan model *problem based learning* ; 2) menganalisis pengaruh model *problem based learning* terhadap kemampuan pemecahan masalah matematika siswa ; 3) menganalisis peningkatan kemampuan pemecahan masalah matematika siswa dengan penerapan model *problem based learning*. Penelitian ini menggunakan metode penelitian studi kepustakaan (*Library Research*) dikarenakan keterbatasan peneliti dalam melakukan penelitian lapangan dikarenakan pandemi *Covid-19*. Peneliti memanfaatkan perpustakaan sebagai lokasi dalam melakukan penelitian studi literatur ini. Teknik pengumpulan data dilakukan dengan dokumentasi yakni mengumpulkan sebanyak lima belas jurnal yang relevan dengan penelitian yang akan dilakukan. Berdasarkan hasil analisis melalui beberapa literatur menunjukkan bahwa dengan model *problem based learning* kegiatan pembelajaran menjadi lebih aktif selain itu juga akan tercipta kerjasama yang baik antar siswa karena mereka terbiasa bekerja dalam kelompok, dalam penggunaan model ini juga peran seorang guru dan sistem pendukung lainnya sangat dibutuhkan. Selain itu terdapat pengaruh model *problem based learning* terhadap kemampuan pemecahan masalah matematika siswa berdasarkan skor kemampuan pemecahan masalah siswa dan hal tersebut juga terbukti berdasarkan perhitungan *effect size* dengan rata-rata 0,8284095 dengan kategori besar yang berarti bahwa model *problem based learning* memiliki pengaruh yang besar dalam meningkatkan kemampuan pemecahan masalah matematika siswa.

Kata Kunci : analisis, kemampuan pemecahan masalah, model *problem based learning*.

ABSTRACT

Henny Dewiyanti Simorangkir, NIM 4171111024 (2021). Analysis of the Mathematics Problem Solving Abilities of Junior High School Students by Applying the Problem Based Learning Model (PBL).

This study aims to: 1) analyze learning using a problem-based learning model; 2) to analyze the effect of the problem based learning model on students' mathematical problem solving abilities; 3) to analyze the improvement of students' mathematical problem solving abilities by applying the problem-based learning model. This study uses a library research method due to the limitations of researchers in conducting field research due to the Covid-19 pandemic. Researchers use the library as a location in conducting research on this literature study. The data collection technique is done by documentation, namely collecting as many as fifteen journals that are relevant to the research to be carried out. Based on the results of the analysis through some literature, it shows that the problem based learning model, learning activities become more active, besides that it will also create good cooperation between students because they feel comfortable working in groups in the use of this model as well as the role of a teacher and support system, there is an effect of the problem based learning model on mathematical problem solving abilities based on student's problem solving ability scores and it also proven based on the calculation of effectate with an average of 0,8284095 with a large category which means that the problem based learning model has a great influence in improving students' abilities math problem solving.

Keywords: analysis, problem solving skills, problem based learning model.