ABSTRAK

Nenchi Bertina Gurky (2022) Analisis Hasil Penerapan Model Pembelajaran *Problem Based Learning* **untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa.**

Penelitian ini bertujuan untuk melihat dan menganalisis pengaruh penerapan model pembelajaran *Problem Based Learning* terhadap kemampuan pemecahan masalah matematis siswa dan menganalisis proses penerapan model pembelajaran *Problem Based Learning* untuk meningkatkan kemampuan pemecahan masalah matematis siswa. Jenis penelitian ini adalah penelitian kualitatif dan metode yang dipakai yaitu studi kepustakaan. Penelitian ini menggunakan data sekunder karena adanya keterbatasan dalam menemukan data primer. Berdasarkan hasil penelitian diperoleh bahwa, terdapat pengaruh positif model pembelajaran *Problem Based Learning* terhadap kemampuan pemecahan masalah matematis siswa. Pengaruh model pembelajaran *problem based learning* dalam kualitas sedang dan ada model pembelajaran yang juga memiliki kesamaan seperti *Problem Centered Learning,* kedua model pembelajaran mendapatkan respon yang baik. Proses penerapan model pembelajaran *Problem Based Learning* memberikan pengaruh yang positif dan mampu meningkatkan kemampuan pemecahan masalah matematis siswa, hal ini telah terlaksana dengan baik jika ditinjau secara keseluruhan tanpa memandang status level sekolah maupun status Kemampuan Awal Matematika (KAM) siswa. Namun jika siswa dikelompokkan menjadi beberapa kategori yaitu siswa KAM tinggi, siswa KAM sedang, dan siswa KAM rendah maka akan terlihat bahwa model pembelajaran *Problem Based Learning* kurang terlaksana dengan baik dalam meningkatkan kemampuan pemecahan masalah matematis siswa KAM rendah dan hanya sebagian pada siswa KAM sedang. Penerapan *Problem Based Learning* harus dilakukan dalam pembagian kelompok yang heterogen dan pembelajaran yang berpusat pada aktifitas siswa.

Kata Kunci: Studi Literatur, Kemampuan Pemecahan Masalah Matematis, *Problem Based Learning*.

ABSTRACT

Nenchi Bertina Gurky (2022) Analysis of the Results of the Application of Problem Based Learning Models to Improve Students' Mathematical Problem Solving Ability.

This study aims to see and analyze the effect of the applying the learning of model problem based learning learning models on student's mathematical problem solving abilities and analyze the process of applying problem based learning models to improve student's mathematical problem solving abilities. This type of study was qualitative research and the method used is literature study. This study uses secondary data due to limitations in finding primary data. Based on the results of the study, it was found that, there was a positive effect of the problem based learning model on student's mathematical problem solving abilities. The influence of problem based learning learning model is in moderate quality and there are learning model that also have similarities such as problem centered learning, both learning model get a good response. The process of applying the problem based learning learning model has a positive effect and is able to improve student's mathematical problem solving abilities, this has been carried out well when viewed as a whole regardless of school level status or student's Early Mathematical Ability (KAM) status. However, if student's are grouped into several categories, namely high KAM student's, medium KAM student's, and low KAM student's, it will be seen that the problem based learning learning model is not well implemented in improving the mathematical problem solving abilities of low KAM students and only partially in moderate KAM students. The application of problem based learning must be carried out in heterogeneous group divisions and learning centered on student activities.

Keywords: Literature Study, Mathematical Problem Solving Ability, ProblemBased Learning.