

ABSTRAK

Swandi Wiranata Sinurat. Metaanalisis Pengaruh Model *Problem-Based Learning* Terhadap Kemampuan Pemecahan Masalah Matematis Dan *Self-Efficacy* Siswa.2021.

Penelitian ini bertujuan untuk mengetahui: (1) Menganalisis besar pengaruh (*effect size*) model *Problem-based Learning* terhadap kemampuan pemecahan masalah matematis siswa; (2) Menganalisis besar pengaruh (*effect size*) model *Problem-based Learning* terhadap *self-efficacy* siswa; (3) Untuk mengetahui metaanalisis pengaruh model *Problem-based Learning* terhadap kemampuan pemecahan masalah matematis dan *self-efficacy* siswa. Peneliti memetaanalisis jurnal-jurnal tentang pengaruh model *problem-based learning* terhadap kemampuan pemecahan masalah matematis dan *self-efficacy* dengan metode deskriptif kuantitatif. Hasil penelitian menunjukkan bahwa: (1) Dari 14 studi yang memenuhi kriteria untuk dilakukan metaanalisis model pembelajaran *problem-based learning* dalam meningkatkan kemampuan pemecahan masalah matematis siswa SMP yang memiliki *effect size* tertinggi adalah dengan nilai 0,92; (2) Dari 9 studi yang memenuhi kriteria untuk dilakukan metaanalisis model pembelajaran *problem-based learning* dalam meningkatkan *self-efficacy* siswa SMP yang memiliki *effect size* tertinggi dengan nilai 0,88; (3) Hasil metaanalisis model pembelajaran terhadap kemampuan pemecahan masalah matematis termasuk pada kategori besar dengan $r_{RE} = 0.511$ dan hasil metaanalisis model pembelajaran terhadap *self-efficacy* siswa termasuk pada kategori sedang dengan $r_{RE} = 0.382$.

Kata Kunci: metaanalisis, *problem-based learning*, pemecahan masalah matematis, *self-efficacy*

ABSTRACT

Swandi Wiranata Sinurat. *Metaanalysis Of The Influence Of Problem-Based Learning Model On Mathematic Problem Solving Ability And Self-Efficacy Of Student.2021.*

This study aims to determine: (1) Analyzing the effect size of the Problem-based Learning model on students' mathematical problem solving abilities; (2) Analyzing the effect size of the Problem-based Learning model on students' self-efficacy; (3) To find out the meta-analysis of the effect of the Problem-based Learning model on students' mathematical problem solving abilities and self-efficacy. Researchers meta-analyze journals about the effect of problem-based learning models on mathematical problem solving abilities and self-efficacy with quantitative descriptive methods. The results showed that: (1) Of the 14 studies that met the criteria for a meta-analysis of the problem-based learning model in improving the mathematical problem solving ability of junior high school students, the highest effect size was 0.92; (2) Of the 9 studies that met the criteria for a meta-analysis of the problem-based learning model in improving the self-efficacy of junior high school students who had the highest effect size with a value of 0.88; (3) The results of the meta-analysis of learning models on mathematical problem solving abilities are included in the large category with $r_{RE} = 0.511$ and the results of the meta-analysis of learning models on students' self-efficacy are in the medium category with $r_{RE} = 0.382$.

Keywords: meta-analysis, problem-based learning, mathematical problem solving Ability, self-efficacy