

ABSTRAK

Rebekawati, Anita. Pengaruh Pendekatan Matematika Realistik dan *Self-Efficacy* terhadap Kemampuan Pemecahan Masalah Matematika Siswa Kelas V SDS Gracia Sustain Medan. Tesis. Medan: Program Studi Pendidikan Dasar Pascasarjana Universitas Negeri Medan, 2019.

Penelitian ini bertujuan untuk mengetahui : (1) pengaruh pendekatan matematika realistik terhadap kemampuan pemecahan masalah matematika siswa, (2) pengaruh *self-efficacy* terhadap kemampuan pemecahan masalah matematika siswa, (3) interaksi antara pendekatan pembelajaran dan *self-efficacy* terhadap kemampuan pemecahan masalah matematika siswa. Penelitian ini merupakan penelitian quasi eksperimen. Populasi penelitian ini adalah siswa kelas V-A, V-B dan V-C Sekolah Dasar Swasta Gracia Sustain dan sebagai sampel dalam penelitian ini adalah kelas V-A untuk kelas kontrol sebanyak 30 siswa yang diajarkan dengan menggunakan pendekatan konvensional dan untuk kelas eksperimen kelas V-B sebanyak 30 siswa yang diajarkan dengan menggunakan pendekatan matematika realistik. Instrumen yang digunakan terdiri dari: (1) tes kemampuan pemecahan masalah matematika yang digunakan dalam penelitian ini berbentuk essay test, (2) lembar angket *self-efficacy*. Instrumen tersebut telah memenuhi syarat validitas serta koefisien reliabilitas. Hasil penelitian menunjukkan bahwa: (1) terdapat pengaruh pendekatan matematika realistik terhadap kemampuan pemecahan masalah matematika siswa. Hal ini ditunjukkan oleh kemampuan pemecahan masalah matematika siswa yang diajarkan dengan pendekatan matematika realistik memperoleh nilai rata-rata 78,37 sedangkan hasil belajar siswa yang diajar dengan pendekatan konvensional memperoleh nilai rata-rata 67,70, (2) berdasarkan hasil perhitungan data dapat diketahui bahwa kemampuan pemecahan masalah matematika siswa yang memiliki *self-efficacy* tinggi memperoleh nilai rata-rata 79,38 sedangkan kemampuan pemecahan masalah matematika siswa yang memiliki *self-efficacy* rendah memperoleh nilai 64,18 dan (3) hasil pengujian hipotesis diperoleh tidak terdapat interaksi antara pendekatan matematika realistik dan *self-efficacy* siswa terhadap kemampuan pemecahan masalah matematika siswa.

Kata Kunci : *matematika realistik, konvensional, pemecahan masalah matematika, dan self-efficacy.*

ABSTRACT

Rebekawati, Anita. The Effects of Realistic Mathematics Approach and *Self-Efficacy* towards Student Mathematics Problem Solving Ability on 5th Grade Student Gracia Sustain Private Elementary School Medan. Thesis. Medan : Postgraduate, Basic Education Program State University of Medan, 2019.

This study aims to determine: (1) the effect of realistic mathematics approach towards student mathematics problem solving ability; (2) the effect of self-efficacy towards student mathematics problem solving ability; (3) the interaction between realistic mathematics approach and self-efficacy towards student mathematics problem solving ability. This research is a quasi-experimental research. The population research are students of class V-A, V-B and V-C Gracia Sustain Private Elementary School. The sample in this research is class V-A as the control class that consist of 30 students which were taught using the conventional approach and for class V-B for the experimental class which were taught using realistic mathematics approach. The instruments used were: (1) mathematics problem solving test, that was essay test; (2) self-efficacy questionnaire sheet. These instruments had fulfilled the terms of validity and reliability coefficient. The findings of the research showed that: (1) there are effect of realistic mathematics approach towards student mathematics problem solving ability. It is shown by the mathematics problem solving outcomes of students who received the realistic mathematics approach got mean score as 78,37 while the mathematics problem solving outcomes of student who received the conventional approach got mean score as 67,70; (2) based on the results of data calculations can be seen that the mathematics problem solving ability on students who has high self-efficacy got mean score as 79,38 while the mathematics problem solving ability on students who has low self-efficacy got the mean score as 64,18; and (3) the hypothesis result testing showed that there is no interaction between of the use of realistic mathematics approach and self-efficacy towards students mathematics problem solving ability.

Keyword : *realistic mathematics, conventional, mathematics problem solving, and self-efficacy.*