

ABSTRAK

Ali Rachmad Hasibuan. Peningkatan Kemampuan Pemecahan Masalah dan *Self-Efficacy* siswa melalui Pendekatan Realistik di Smp Negeri 5 Medan. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2016.

Kata Kunci: Pendekatan Realistik, Pemecahan Masalah Matematis, dan *Self-Efficacy*

Tujuan penelitian ini adalah: (1) Menganalisis peningkatan kemampuan Pemecahan Masalah Matematis Siswa Melalui Pendekatan Realistik, (2) Menganalisis peningkatan *Self-Efficacy* Siswa Melalui Pendekatan Realistik, (3) Menganalisis apakah terdapat interaksi antara pendekatan pembelajaran dengan kemampuan awal matematika (KAM) terhadap kemampuan pemecahan masalah matematis siswa, (4) Menganalisis apakah terdapat interaksi antara pendekatan pembelajaran dengan kemampuan awal matematika (KAM) terhadap *Self-Efficacy* siswa. Penelitian ini merupakan penelitian kuasi eksperimen. Populasi dalam penelitian ini terdiri dari seluruh siswa SMP NEGERI 5 Medan, dengan mengambil sampel dua kelas berjumlah 60 siswa melalui teknik *cluster random sampling*. Analisis data dilakukan dengan Uji-t dan Anava dua jalur. Hasil penelitian ini menunjukkan bahwa (1) Adanya Peningkatan kemampuan Pemecahan Masalah Matematis siswa yang diajar dengan Pendekatan Realistik, (2) Adanya Peningkatan *Self-efficacy* siswa yang diajar dengan Pendekatan Realistik, (3) Tidak Terdapat interaksi antara model pembelajaran dengan kemampuan awal matematika siswa terhadap peningkatan kemampuan Pemecahan Masalah Matematis siswa, (4) Tidak Terdapat interaksi antara model pembelajaran dengan kemampuan awal matematika siswa terhadap peningkatan *Self-Efficacy* siswa.

ABSTRACT

Ali Rachmad Hasibuan. Improving on Students' Problem Solving Skills and Self-Efficacy Taught with Realistic Approach In SMP Negeri 5 Medan . A Thesis: Medan: Postgraduate Program, State University of Medan, 2016.

Keywords: Realistic Approach , Mathematical Problem Solving and Self-Efficacy

The purpose of this study are to: (1) The Analysis improving on students' mathematical problem solving skills taught with realistic approach, (2) The Analysis improving on students' self-efficacy taught with realistic approach, (3) The Analysis whether there is an interaction between the learning model with the students' ability of early mathematic towards student's mathematical problem solving skills, (4) The Analysis whether there is an interaction between the learning model with the students' ability of early mathematics towards students' self-efficacy. This study is a quasi-experimental research. The population in this study consists of all of students in SMP Negeri 5 Medan, by taking two classes as sample which are consists of 60 students through teksin cluster random sampling. The analysis data was analyzed using t-test and Anova two lanes. The results showed that (1) improving on students' mathematical problem solving skills taught with realistic approach, (2) Improving on students' self-efficacy taught with realistic approach, (3) There isn't an interaction between the learning model with the students' ability of early mathematics towards the improving of students' mathematical problem solving skills, (4)) There isn't an interaction between the learning model with the students' ability of early mathematics towards the improving of students' self-efficacy.