

ABSTRAK

YUYUN SARI. Perbedaan Kemampuan Pemecahan Masalah Matematis Dan *Self Efficacy* Siswa Pada Model Pembelajaran Kooperatif Tipe STAD Dan *Think Pair Share* (TPS) Di SMP Sabilina. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2017.

Penelitian ini bertujuan untuk mengetahui: (1) perbedaan kemampuan pemecahan masalah matematis antara siswa yang diajar model pembelajaran STAD dengan model pembelajaran TPS, (2) perbedaan *Self Efficacy* Siswa antara siswa yang diajar model pembelajaran STAD dengan model pembelajaran TPS, (3) interaksi antara model pembelajaran dan kemampuan awal matematika terhadap kemampuan pemecahan masalah matematis, (4) interaksi antara model pembelajaran dan kemampuan awal matematika terhadap *Self Efficacy* Siswa. Penelitian ini merupakan penelitian eksperimen semu. Populasi penelitian ini adalah siswa kelas VII SMP Sabilina, kemudian dipilih dua kelas dari 12 kelas. Instrumen yang digunakan terdiri dari: (1) tes kemampuan pemecahan masalah matematis, dan (2) angket *Self-Efficacy* siswa. Analisis data dilakukan dengan analisis varians (ANOVA) dua jalur. Hasil penelitian menunjukkan bahwa (1) terdapat perbedaan kemampuan pemecahan masalah matematis antara siswa yang diajar model pembelajaran STAD dengan model pembelajaran TPS, dimana penerapan model pembelajaran STAD lebih baik daripada siswa yang memperoleh model pembelajaran TPS untuk kemampuan pemecahan masalah matematis, (2) terdapat perbedaan *Self-Efficacy* siswa antara siswa yang diajar model pembelajaran STAD dengan model pembelajaran TPS, dimana penerapan model pembelajaran STAD lebih baik daripada siswa yang memperoleh pembelajaran TPS untuk *Self-Efficacy* siswa (3) terdapat interaksi antara model pembelajaran dan kemampuan awal matematika terhadap kemampuan pemecahan masalah matematis., (4) terdapat interaksi antara model pembelajaran dan kemampuan awal matematika terhadap *Self-Efficacy* siswa.

Kata Kunci: *Model Pembelajaran STAD, Model Pembelajaran TPS, Kemampuan Pemecahan Masalah Matematis dan Self-Efficacy* siswa.



ABSTRACT

YUYUN SARI. The Differences of Problems Solving Mathematics Ability and Self Efficacy In Cooperative Learning Model Tipe STAD And Think Pair Share (TPS) at SMP Sabilina. Thesis. Medan: Post Graduate Programme, State University of Medan, 2017.

This research aims to know: (1) the differences of problems solving mathematics ability between the students who taught STAD with TPS, (2) the differences of self-Efficacy between students who taught STAD with TPS, (3) the interaction between the learning model and the initial ability of mathematics towards problem-solving mathematics ability, (4) the interaction between the learning model and the initial ability of mathematics towards self-efficacy. This research is a quasi-experimental research. The research population was seventh grade junior high school students of SMP Sabilina, then have two classes of twelfth grade. The instrument used consisted of: (1) test of problems solving mathematics ability, and (2) Questionnaire of self-Efficacy . Data analysis is used by analysis of variance (ANOVA) two lines. The results showed that (1) there are differences of problems solving mathematics ability between the students who taught STAD with TPS, where the application of STAD model is better than students who received learning TPS to problems solving mathematics ability, (2) there are differences of self-Efficacy between the students who taught STAD with TPS, where the application of STAD model is better than students who received learning TPS to self-Efficacy there is no interaction between the learning model and initial ability of mathematics towards problem-solving mathematics ability. This shows that the contribution of jointly given by learning model with the initial ability of mathematics students do not have a significant effect on the development of students's problems solving mathematics ability, (3) there are interaction between the learning model and initial ability of mathematics towards problem-solving mathematics ability. (4) there are interaction between the learning model and initial ability of mathematics towards self-efficacy.

Keywords: *Cooperative Learning Model Tipe STAD, Cooperative Learning Model Tipe Think Pair Share (TPS), Problems Solving Mathematics Ability and Self-Efficacy.*