

## ABSTRAK

**NOVIA EKA PUTRI. 8156171055. Pengaruh Model Pembelajaran Kooperatif Tipe TPS (Think Pair Share) Berbasis Budaya Minangkabau Terhadap Kemampuan Pemecahan Masalah Matematis Dan Self Efficacy Siswa SMP NEGERI 1 PANTI.** Tesis. Medan: Program Pascasarjana Universitas Negeri Medan 2020.

Tujuan penelitian ini adalah untuk menganalisis (1) pengaruh model kooperatif tipe *Think Pair Share* (TPS) berorientasi budaya Minangkabau terhadap kemampuan pemecahan masalah siswa (2) pengaruh model kooperatif tipe *Think Pair Share* (TPS) berorientasi budaya Minangkabau terhadap *Self Efficacy* siswa. (3) interaksi antara model pembelajaran dan kemampuan awal matematika terhadap kemampuan pemecahan masalah matematis siswa. (4) interaksi antara model pembelajaran dan kemampuan awal matematika terhadap *Self Efficacy* matematis siswa. Jenis penelitian ini adalah kuasi eksperimen. Populasi yang diambil dalam penelitian ini adalah siswa kelas VII SMP Negeri 1 PANTI dan sampel dalam penelitian ini yang terpilih adalah kelas VII-2 sebagai kelas eksperimen yang berjumlah 27 siswa dan kelas VII-1 sebagai kelas kontrol yang berjumlah 26 siswa. Instrument yang digunakan terdiri dari: (1) Tes kemampuan pemecahan masalah dan (2) Angket *Self Efficacy*. Analisis data dilakukan dengan ANAVA dua jalur. Hasil penelitian ini menunjukkan bahwa (1) Terdapat pengaruh model kooperatif tipe *think pair share* berorientasi budaya Minangkabau terhadap kemampuan pemecahan masalah matematis siswa SMP Negeri 1 PANTI. (2) Terdapat pengaruh model kooperatif tipe *think pair share* berorientasi budaya Minangkabau terhadap *Self Efficacy* matematis siswa SMP Ali Imron Medan. (3) Terdapat interaksi antara model pembelajaran dan pengetahuan awal matematika siswa dalam mempengaruhi kemampuan pemecahan masalah matematis siswa siswa SMP Negeri 1 PANTI. (4) Terdapat interaksi antara model pembelajaran dan pengetahuan awal matematika siswa dalam mempengaruhi *Self Efficacy* matematis siswa SMP Negeri 1 PANTI.

**Kata Kunci:** Model Kooperatif Tipe *Think Pair Share* (TPS), Kemampuan Pemecahan Masalah, *Self Efficacy*, Budaya Minangkabau.

## ABSTRACT

**NOVIA EKA PUTRI. 8156171055. The Effect of Cooperative Learning Type *Think Pair Share* (TPS) Oriented On Minangkabau Culture To Mathematical Problem Solving And Mathematical *Self Efficacy* Ability Of The Students At Middle Secondary School 1 PANTI.** Thesis. Medan: Postgraduate Program of Medan State University 2020.

This research aim to analyze (1) the effect of Cooperative Learning of Type Think Pair Share Based on Minangkabau Culture to mathematical problem solving ability. (2) The effect of Cooperative Learning of Type Think Pair Share Based on Minangkabau Culture to *Self Efficacy* ability. (3) The effect of interaction the learning models and mathematical initial ability (IMA) to mathematical problem solving ability of the students. (4) The effect of interaction between the learning model and the initial mathematical ability (IMA) of students' *Self Efficacy*. This type of research is quasi-experimental. The population taken in this study were seventh grade students of Middle Secondary School 1 PANTI and the samples in this study were selected as class VII-2 as an experimental class to 27 students and class VII-2 as a control class to 26 students respectively. The instrument used consists of: (1) Test of problem solving skills and (2) Questionnaire *Self Efficacy*. Data analysis was carried out with ANOVA two way. The results of this study indicate that (1) There is an effect of the cooperative model type *think pair share* oriented to Minangkabau culture on the mathematical problem-solving ability of PANTI junior high school students. (2) There is the effect of the cooperative model type think pair share oriented to Minangkabau culture to the *Self Efficacy* of junior high school students. (3) There is an interaction between the learning model and the students' initial knowledge of mathematics in influencing the mathematical problem solving ability of students of Middle School students in PANTI. (4) There is an interaction between the learning model and the students' initial knowledge of mathematics in influencing the *Self Efficacy* of the Middle School students in PANTI.

**Keywords:** Cooperative Learning Model Type Think Pair Share (TPS), Mathematical Problem Solving Ability, *Self Efficacy*, Minangkabau Culture.