ABSTRAK

A.RIDO SULAIMAN SIREGAR. Perbedaan Peningkatan Kemampuan Komunikasi Matematis dan *Self Confidence* Siswa Pada Pembelajaran Kooperatif Tipe *Teams Games Tournaments* dan Tipe *Think-Pair-Share.* Tesis. Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan. 2021.

Penelitian ini bertujuan untuk mengetahui: 1).Perbedaan peningkatan kemampuan komunikasi matematis siswa yang diajar dengan pembelajaran kooperatif tipe *Teams Games Tournaments* dan tipe *Think-Pair-Share*. 2).Perbedaan kemampuan komunikasi matematis siswa yang memiliki kemampuan awal matematis tinggi, sedang dan rendah. 3).Interaksi antara model pembelajaran dan kemampuan awal matematis terhadap kemampuan komunikasi matematis siswa. 4).Perbedaan peningkatan *self confidence* siswa yang diajar dengan pembelajaran kooperatif tipe *Teams Games Tournaments* dan tipe *Think-Pair-Share*. 5).Perbedaan *self confidence* siswa yang memiliki kemampuan awal matematis tinggi, sedang, dan rendah. 6). Interaksi antara model pembelajaran dan kemampuan awal matematis terhadap *self confidence* siswa. Penelitian ini merupakan penelitian eksperimen semu (*quasi eksperiment*). Dan dalam penelitian ini, pengelompokan kelas eksperimen 1 dan eksperimen 2. Sampel dalam penelitian ini adalah 2 kelas dari siswa kelas VII-A sebanyak 30 siswa pada kelas eksperimen 1 dengan menggunakan model pembelajaran kooperatif tipe *Teams Games Tournaments* dan siswa kelas VII-B sebanyak 30 siswa pada kelas eksperimen 2 dengan menggunakan model pembelajaran kooperatif tipe *Think-Pair-Share*. Kemampuan komunikasi matematis siswa yang memperoleh pembelajaran kooperatif tipe *Teams Games Tournaments* lebih tinggi dari pembelajaran kooperatif tipe *Think-Pair-Share*. Hal ini ditunjukkan oleh rata-rata skor tes kelas eksperimen 1 yaitu 85,42 dan kelas eksperimen 2 sebesar 79,58. *Self confidence* siswa yang memperoleh pembelajaran kooperatif tipe *Teams Games Tournaments* lebih tinggi dari pembelajaran kooperatif tipe *Think-Pair-Share*. Hal ini ditunjukkan oleh rata-rata skor angket *Self Confidence* kelas eksperimen 1 yaitu 84,58 dan kelas eksperimen 2 sebesar 79,67.

Kata Kunci: Perbedaan Peningkatan, Kemampuan Komunikasi Matematis, *Self Confidence*, Pembelajaran Kooperatif, Tipe *Teams Games Tournaments*, Tipe *Think-Pair-Share*.

ABSTRACT

A.RIDO SULAIMAN SIREGAR. Differences in Increasing Students' Mathematical Communication Ability and Self Confidence in Cooperative Learning Types of Teams Games Tournaments and Think-Pair-Share Types. Thesis. Postgraduate Mathematics Education Study Program, State University of Medan. 2021.

This study aims to determine: 1). Differences in the improvement of students' mathematical communication skills who are taught with Teams Games Tournaments type cooperative learning and Think-Pair-Share type. 2). Differences in mathematical communication skills of students who have high, medium and low initial mathematical abilities. 3). The interaction between the learning model and the initial mathematical ability of students' mathematical communication skills. 4). Differences in the increase in self-confidence of students who are taught with Teams Games Tournaments and Think-Pair-Share types of cooperative learning. 5). Differences in self-confidence of students who have high, medium, and low initial mathematical abilities. 6). The interaction between learning models and early mathematical abilities on students' self-confidence. This research is a quasi-experimental research (quasi-experimental). And in this research, the classification of Experiment 1 and Experiment 2. The samples in this research are 2 class I from class VII-A students as many as 30 students in experimental class 1 using cooperative learning model type Teams Games Tournaments and class VII-B experiment students using type 2 cooperative learning model Tournaments Share. The mathematical communication ability of students who received the Teams Games Tournaments type of cooperative learning was higher than the Think-Pair-Share type of cooperative learning. This is indicated by the average test score of the experimental class 1 which is 85.42 and the experimental class 2 is 79.58. The self-confidence of students who get Teams Games Tournaments type of cooperative learning is higher than Think-Pair-Share type of cooperative learning. This is indicated by the average score of the Self Confidence questionnaire for the experimental class 1 which is 84.58 and the experimental class 2 is 79.67.

Keywords: Improvement Difference, Mathematical Communication Ability, Self Confidence, Cooperative Learning, Teams Games Tournaments Type, Think-Pair-Share Type.