

ABSTRAK

YULI RAGELIA SINAGA. Pengaruh Pembelajaran Kooperatif Tipe *Think Pair Share* Berbantuan Autograph Terhadap Kemampuan Representasi Matematis dan *Self-Efficacy* Siswa Kelas XI SMA Negeri 5 Medan. 2019

Penelitian ini bertujuan untuk mengetahui: (1) pengaruh yang signifikan pembelajaran kooperatif tipe think pair share (TPS) berbantuan Autograph terhadap kemampuan representasi matematis siswa, (2) pengaruh yang signifikan pembelajaran kooperatif tipe think pair share (TPS) berbantuan Autograph terhadap *self-efficacy* siswa, (3) interaksi antara model pembelajaran dengan kemampuan awal matematika terhadap kemampuan representasi matematis siswa, dan (4) interaksi antara model pembelajaran dengan kemampuan awal matematika terhadap *self-efficacy* siswa. Jenis penelitian ini adalah *quasi eksperiment*. Populasi penelitian ini adalah seluruh siswa Kelas XI SMA Negeri 5 Medan. Sampel penelitian ini adalah Kelas XI-MIPA 5 sebagai kelas eksperimen I (36 siswa) dan kelas XI-MIPA 6 sebagai kelas eksperimen II (36 siswa). Instrumen yang digunakan terdiri dari tes KAM, tes kemampuan representasi matematis dan angket *self-efficacy* siswa. Analisis yang dilakukan menggunakan ANAVA dua jalur. Hasil penelitian menunjukkan bahwa: (1) Terdapat pengaruh yang signifikan pembelajaran kooperatif tipe think pair share (TPS) berbantuan Autograph terhadap kemampuan representasi matematis siswa, (2) Terdapat pengaruh yang signifikan pembelajaran kooperatif tipe think pair share (TPS) berbantuan Autograph terhadap *self-efficacy* siswa, (3) Tidak terdapat interaksi yang signifikan antara model pembelajaran dan KAM terhadap kemampuan representasi matematis siswa, dan (4) Tidak terdapat interaksi yang signifikan antara model pembelajaran dan KAM terhadap *self-efficacy* siswa.

Kata kunci: Pembelajaran Kooperatif, *Think Pair Share*, Autograph, Kemampuan Representasi Matematis, dan *Self-Efficacy*

ABSTRACT

YULI RAGELIA SINAGA. The Effect of Cooperative Learning Type Think Pair Share with Autograph to The Mathematical Representation Ability and Self-Efficacy 11th Grade Students of SMA Negeri 5 Medan. 2019

The purpose of the research is to determine : (1) the effect of Cooperative Learning model type Think Pair Share with Autograph helping to the students' Mathematical Representation Ability, (2) the effect of Cooperative Learning model type Think Pair Share with Autograph helping to the students' self-efficacy, (3) the interaction of learning model with mathematic pre-ability to the students' mathematical representation ability, (4) the interaction of learning model with mathematic pre-ability to the students' self-efficacy. The kind of this research is quasi-experiment. The population of this research is all 11th Grade students of SMA Negeri 5 Medan. The sample of this research is 11th MIPA 5 Grade students an experiment class I (36 students) and 11th MIPA 6 Grade students an experiment class II (36 students). The instrument used consisting of KAM test, mathematical representation ability test and students' self-efficacy questionnaire. The analysis is used by using two way ANOVA. The result of this research showed that: (1) there is a significant effect of Cooperative Learning model type Think Pair Share with Autograph helping to the students' mathematical representation ability, (2) there is a significant effect of Cooperative Learning model type Think Pair Share with Autograph helping to the students' self-efficacy, (3) there is no significant interaction between learning model and KAM to the students' mathematical representation ability, and (4) there is no significant interaction between learning model and KAM to the students' self-efficacy.

Key Words: Cooperative Learning, Think Pair Share, Autograph, Mathematical Representation Ability, and Self-Efficacy