

ABSTRAK

PERTIWI PUJI LESTARI. Perbedaan Kemampuan Pemecahan Masalah Dan Komunikasi Matematis Siswa SMP Antara Pembelajaran Kooperatif Tipe *Think Pair Share* (TPS) Dan Pembelajaran Langsung. Tesis. Medan: Program Studi Pendidikan Matematika Program Pascasarjana Universitas Negeri Medan (UNIMED). 2020.

Kata Kunci : Pembelajaran Kooperatif Tipe *Think Pair Share* (TPS), Pembelajaran Langsung, Kemampuan Pemecahan Masalah Dan Kemampuan Komunikasi Matematis

Penelitian ini bertujuan: (1) Untuk mengetahui perbedaan kemampuan pemecahan masalah matematika antara siswa yang diberi model pembelajaran TPS dengan siswa yang diberi pembelajaran langsung, (2) Untuk mengetahui perbedaan kemampuan komunikasi matematis antara siswa yang diberi model pembelajaran TPS dengan siswa yang diberi pembelajaran langsung, (3) Untuk mengetahui proses penyelesaian jawaban yang dibuat siswa dalam menyelesaikan masalah pada masing-masing pembelajaran. Penelitian ini merupakan penelitian eksperimen semu. Populasi penelitian ini adalah seluruh siswa SMP Asuhan Jaya Medan T.A.2015/2016. Dari seluruh siswa kelas VIII dipilih siswa sebanyak dua kelas sebagai sampel. Kelas eksperimen -1 diberi perlakuan model pembelajaran *Think Pair Share* dan kelas eksperimen-2 diberi perlakuan pembelajaran langsung. Analisis deskriptif ditujukan untuk mendeskripsikan proses penyelesaian jawaban siswa. Analisis inferensial data dilakukan dengan analisis kovarians (ANNACOVA). Hasil penelitian menunjukkan bahwa: (1) Kemampuan pemecahan masalah yang diberi model pembelajaran *Think Pair Share* lebih baik dari pembelajaran langsung. (2) Kemampuan komunikasi matematis siswa yang diberi model pembelajaran *Think Pair Share* lebih baik dari model pembelajaran langsung. (3) Proses penyelesaian jawaban siswa dengan menggunakan model pembelajaran *Think Pair Share* lebih baik dari model pembelajaran langsung.

Kata Kunci : Kooperatif Tipe *Think Pair Share* (TPS), Kemampuan Pemecahan Masalah, Kemampuan Komunikasi Matematis

ABSTRACT

PERTIWI PUJI LESTARI. Differences Ability Problem Solving and Mathematical Communication Junior Secondary Students Between Cooperative Learning *Think Pair Share* (TPS) And Direct Learning. Thesis. Medan: Mathematics Education Graduate Program, State University of Medan (UNIMED). 2020.

Keywords: Cooperative Learning of *Think Pair Share* (TPS) Type, Direct Learning, Problem Solving Abilities and Mathematical Communication Skills

This research aims to: (1) to know the difference of problem solving ability of mathematics between students who are given model of TPS learning with students who are given direct learning, (2) to know the difference of mathematical communication ability between students who are given model of *Think Pair Share* learning with students who are given direct learning , (3) To know the process of completion of answers made by students in solving problems in each learning. This research is a quasi-experimental research. The population of this study is all Astudents SMP Asuhan Jaya Medan. From all students of class VIII students were selected as many as two classes as a sample. The experimental class -1 was treated with the *Think Pair Share* learning model and the experimental class-2 was treated with direct learning. Descriptive analysis is intended to describe the student's the process of completion of student answers. Inferential analysis of data was performed by analysis of covariance (ANNACOVA). The results showed that: (1) The problem-solving ability that was given the *Think Pair Share* learning model was better than the direct learning. (2) The mathematical communication ability of the students who were given the TPS learning model is better than the direct learning model. (3) The process of completion of student answers by using the *Think Pair Share* learning model is better than the direct learning model.

Keywords : Cooperative Learning of *Think Pair Share* (TPS) Type, Problem Solving Abilities and Mathematical Communication Skills

