ABSTRAK

Gaby Hafizah Lubis, NIM 4203311062 (2025), Penerapan Model Pempelajaran Kooperatif *Tipe Think Pair Share* (TPS) Berbantuan Aplikasi Geogebra Untuk Meningkatkan Kemampuan Komunikasi Matematis Siswa SMP.

Penelitian ini bertujuan untuk meningkatkan kemampuan komunikasi matematis siswa melalui model pembelajaran kooperatif tipe *Think Pair Share* (TPS) berbantuan aplikasi geogebra di kelas VIII SMP Swasta F. Tandean Tebing Tinggi. Penelitian ini merupakan penelitian tindakan kelas yang dilaksanakan dalam dua siklus dengan subjek sebanyak 30 siswa. Data dikumpulkan melalui tes kemampuan komunikasi matematis dan obeservasi. Hasil penelitian menunjukkan kemampuan komunikasi matematis siswa meningkat, dengan rata-rata nilai pada siklus I sebesar 68,8 menjadi 89,1 pada siklus II, serta persentase tingkat keberhasilan meningkat dari 63,3% (19 siswa) pada siklus I menjadi 93,3% (28 siswa) pada siklus II. Nilai N-gain juga meningkat dari 0,47 (kategori sedang) pada siklus I menjadi 0,59 (kategori sedang) pada siklus II. Dengan demikian, dapat disimpulkan bahwa penerapan model pembelajaran kooperatif tipe *Think Pair Share* (TPS) berbantuan aplikasi Geogebra dapat meningkatkan kemampuan komunikasi matematis siswa SMP.

Kata Kunci: *Model Pembelajaran Think Pair Share, Kemampuan Komunikasi Matematis, Geogebra*

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ABSTRACT

Gaby Hafizah Lubis, NIM 4203311062 (2025), Application of the Think Pair Share (TPS) Cooperative Learning Model Assisted by the Geogebra Application to Improve Mathematical Communication Skills of Junior High School Students.

This study aims to improve students' mathematical communication skills through the Think Pair Share (TPS) cooperative learning model assisted by the Geogebra application in grade VIII SMP Swasta F. Tandean Tebing Tinggi. This research is a classroom action research conducted in two cycles with 30 students as subjects. Data was collected through mathematical communication ability tests and observation. The results of the study show that students' mathematical communication skills improved, with the average score in cycle I being 68.8 and in cycle II being 89.1, and the success rate increasing from 63.3% (19 students) in cycle I to 93.3% (28 students) in cycle II. The N-gain value also increased from 0.47 (moderate category) in cycle I to 0.59 (moderate category) in cycle II. Thus, it can be concluded that the application of the Think Pair Share (TPS) cooperative learning model assisted by the Geogebra application can improve the mathematical communication skills of junior high school students.

Keywords: *Think Pair Share Learning Model, Mathematical Communication Skills, Geogebra*

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