

ABSTRAK

Mahfira Shulima, NIM 4203111074 (2025). Upaya Meningkatkan Kemampuan Pemahaman Konsep Matematis Peserta Didik Menengah Pertama dengan Model Pembelajaran *Think Pair Share* Berbantuan *Geogebra*.

Penelitian ini bertujuan untuk: (1) mengetahui peningkatan kemampuan pemahaman konsep matematis peserta didik setelah diterapkannya model pembelajaran kooperatif tipe *Think Pair Share* berbantuan software *Geogebra* dalam pembelajaran matematika pada peserta didik kelas IX SMP Swasta K.F.Tandean Tebing Tinggi; dan (2) mendeksripsikan proses jawaban peserta didik dalam menyelesaikan soal yang berkaitan dengan kemampuan pemahaman konsep matematis dengan menerapkan model pembelajaran *Think Pair Share*. Penelitian ini merupakan penelitian Tindakan kelas yang dilaksanakan dalam dua siklus dengan subjek sebanyak 30 peserta didik. Data dikumpulkan melalui tes kemampuan pemahaman konsep matematis, observasi guru, dan observasi aktivitas peserta didik. Hasil penelitian menunjukkan: (1) penerapan model Pembelajaran *Think Pair Share* dapat meningkatkan kemampuan pemahaman konsep matematis peserta didik kelas IX SMP Swasta F. Tandean Tebing Tinggi yaitu dilihat dari rata-rata nilai siklus I sebesar 68,19 meningkat menjadi 85,56 pada siklus II dan ketuntasan klasikal pada tes kemampuan pemahaman konsep matematis Siklus I sebanyak 16 peserta didik (53,33%) meningkat menjadi 26 peserta didik (86,67%) peserta didik telah memperoleh nilai pemahaman konsep matematis ≥ 70 pada siklus II. Hasil kemampuan pemahaman konsep matematis peserta didik ditinjau dari nilai N-gain mengalami peningkatan dari siklus I sebesar 0,353 meningkat pada siklus II menjadi 0,546. Artinya terjadi peningkatan pemahaman konsep matematis peserta didik dalam kategori sedang; dan (2) proses jawaban peserta didik dalam menyelesaikan tes kemampuan pemahaman konsep matematis berkategori baik, terlihat dari jawaban peserta didik yang sudah dapat memenuhi indikator kemampuan pemahaman konsep matematis. Sehingga disimpulkan, model pembelajaran *Think Pair Share* berbantuan *Geogebra* dapat meningkatkan kemampuan pemahaman konsep matematis peserta didik. Peneliti menyarankan guru matematika untuk menerapkan model ini pada berbagai topik pembelajaran.

Kata kunci: Kemampuan pemahaman konsep matematis, model pembelajaran *Think Pair Share*, TPS.

ABSTRACT

Frisca Yuwinda, NIM 4201111008 (2024). Efforts to Improve Junior High School Students' Mathematical Concept Comprehension Using the Think Pair Share Learning Model Assisted by Geogebra..

This study aims to: (1) determine the improvement in students' mathematical concept comprehension after implementing the Think Pair Share cooperative learning model assisted by Geogebra software in mathematics learning for ninth-grade students at K.F. Tandean Tebing Tinggi Private Junior High School; and (2) describe the process of students' answers in solving problems related to mathematical concept comprehension skills by applying the Think Pair Share learning model. This research is a classroom action research conducted in two cycles with 30 students as subjects. Data were collected through mathematical concept comprehension tests, teacher observations, and student activity observations. The results showed that: (1) the application of the Think Pair Share learning model could improve the mathematical concept comprehension skills of ninth-grade students at F. Tandean Tebing Tinggi Private Junior High School, as seen from the average score in Cycle I of 68.19, which increased to 85.56 in Cycle II, and the classical mastery in the mathematical concept comprehension test in Cycle I of 16 students (53.33%) increased to 26 students (86.67%) who obtained a mathematical concept comprehension score of ≥ 70 in Cycle II. The results of students' mathematical concept comprehension ability, as measured by N-gain scores, showed an increase from 0.353 in Cycle I to 0.546 in Cycle II. This means that there was an increase in students' mathematical concept comprehension in the moderate category; and (2) the process of students' answers in completing the mathematical concept comprehension test was in the good category, as seen from the students' answers that were able to meet the indicators of mathematical concept comprehension ability. Therefore, it can be concluded that the Think Pair Share learning model assisted by Geogebra can improve students' mathematical concept comprehension ability. The researcher suggests that mathematics teachers apply this model to various learning topics.

Keywords: Mathematical concept comprehension skills, Think Pair Share learning model, TPS.