ABSTRAK

Roy Nanda Damanik, NIM 4191111035 (2023). Penerapan Model Pembelajaran Cooperative Learning Tipe Think Pair Share Berbantuan Geogebra Untuk Meningkatkan Kemampuan Pemahaman Konsep Matematis Siswa SMP.

Tujuan dari penelitian ini adalah untuk mendeksripsikan kemampuan pemahaman konsep matematika siswa dalam penerapan model pembelajaran Kooperatif Learning Tipe Think Pair Share (TPS) berbantuan Geogebra. Penelitian ini dilakukan dengan menerapkan model pembelajaran think pair share (TPS) dengan menggunakan geogebra sebagai bantuan dalam proses pembelajaran. Subjek penelitian ini merupakan peserta didik kelas VIII berjumlah 29 orang. Jenis penelitian ini ialah penelitian tindakan kelas (PTK) yang terdiri dari 2 siklus, dimana setiap siklus terdiri dari 2 kali pertemuan dalam pembelajaran dan 1 pertemuan untuk mengukur kemampuan pemahaman konsep siswa dan mengukur respon siswa terhadap pembelajaran yang telah dilakukan. Hasil penelitian menunjukkan kemampuan pemahaman konsep meningkat setelah dilaksanakannya pembelajaran model *think pair share* (TPS) berbantuan geogebra. Terdapat peningkatan kemampuan pemahaman konsep yang dapat diamati dari data rata-rata peserta didik sebelum diberikan tindakan, yaitu sebesar 29,3 yang dikategorikan sebagai sangat rendah, dengan ketuntasan klasikal mencapai 0%. Namun, setelah diberikan tindakan pertama, rata-rata kemampuan pemahaman konsep siswa meningkat menjadi 75,12 dengan persentase ketuntasan klasikal sebesar 72,41%. Pada tindakan kedua, terjadi peningkatan lebih lanjut hingga mencapai rata-rata 88,42 dan persentase ketuntasan klasikal mencapai 86,20%. Berdasarkan hasil penelitian, dapat disimpulkan bahwa penerapan model pembelajaran Kooperatif Learning *Tipe Think Pair Share* (TPS) berbantuan Geogebra mampu meningkatkan kemampuan pemahaman konsep siswa kelas VIII di SMP Negeri 2 Pantai Labu.

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Kata Kunci: Penelitian, Penerapan, Pemahaman, Pembelajaran, Geogebra

ABSTRACT

Roy Nanda Damanik, NIM 4191111035 (2023). Application Of The Think Pair Share Type Cooperative Learning Model Assisted By Geogebra To Improve Junior High School Students' Ability To Understand Mathematical Concepts.

The aim of this research is to describe students' ability to understand mathematical concepts in the application of the Cooperative Learning Type Think Pair Share (TPS) learning model assisted by Geogebra. This research was carried out by applying the think pair share (TPS) learning model using Geogebra as an aid in the learning process. The subjects of this research were 29 class VIII students. This type of research is classroom action research (PTK) which consists of 2 cycles, where each cycle consists of 2 learning meetings and 1 meeting to measure students' ability to understand concepts and measure students' responses to the learning that has been carried out. The results of the research show that the ability to understand concepts increased after implementing the think pair share (TPS) learning model assisted by Geogebra. There is an increase in the ability to understand concepts that can be observed from the average data of students before being given action, namely 29.3 which is categorized as very low, with classical completeness reaching 0%. However, after being given the first action, the students' average conceptual understanding ability increased to 75.12 with a classical completion percentage of 72.41%. In the second action, there was a further increase until it reached an average of 88.42 and the classical completion percentage reached 86.20%. Based on the research results, it can be concluded that the application of the Cooperative Learning Type Think Pair Share (TPS) learning model assisted by Geogebra is able to improve the concept understanding ability of class VIII students at SMP Negeri 2 Pantai Labu

Keywords: Research, Application, Understanding, Learning, Geogebra