ABSTRACT

Dinda Apriani Hia, NIM 4193312003 (2023), The Effect of Think Pair Share Learning Model Assisted By Wingeom Software on Student's Mathematical Communication Ability In SMP Negeri 35 Medan.

Mathematics is a universal science that serves as the foundation for the development of modern technology, has a crucial role in various scientific fields, and accelerates human thought. The purpose of this study is to determine whether there is an effect of the Wingeom Software Assisted Think Pair Share Model on the Mathematical Communication Ability of Students of SMP Negeri 35 Medan. To achieve the purpose, the researcher conducted Quantitative research method. The population in this study were all class VII students of SMP Negeri 35 Medan. The sample class was selected by random sampling. The sample class, namely class VII-4 as the experimental class, is taught using the Wingeom-assisted Think Pair Share (TPS) learning model, while class VII-5, which is called the control class, is taught using the conventional learning model (direct learning model). The result of the study by looking at the F_{count} and posttest, so that the mathematical communication ability is $F_{count} = 161.771 > F_{table} = 2.68$, $H_a : \mu_1 \neq \mu_2$ is accepted. By showing the posttest value of mathematical communication abilities on average $80.31 > 69.38$. It was concluded that there was a significant difference between the Think Pair Share learning model assisted by Wingeom software on students' mathematical communication ability in SMP Negeri 35 Medan. Then the formulation of the problems and hypotheses proposed as well as the research results based on data analysis and hypothesis testing, the conclusions obtained in this study are that there is an effect of the Think Pair Share learning model assisted by Wingeom software on student's mathematical communication ability in SMP Negeri 35 Medan.

Kaywords: Think Pair Share Learning Model, Wingeom Software, Student's Mathematical Communication Abilities.

ABSTRAK

Dinda Apriani Hia, NIM 4193312003 (2023), Pengaruh Model Pembelajaran Think Pair Share Berbantuan Software Wingeom Terhadap Kemampuan Komunikasi Matematis Siswa Di SMP Negeri 35 Medan.

Matematika merupakan ilmu universal yang menjadi landasan bagi perkembangan teknologi modern, memiliki peran krusial dalam berbagai bidang ilmu pengetahuan, dan mempercepat pemikiran manusia. Tujuan dari penelitian ini adalah untuk mengetahui apakah ada Pengaruh Model Pembelajaran Think Pair Share Berbantuan Software Wingeom terhadap Kemampuan Komunikasi Matematis Siswa SMP Negeri 35 Medan. Untuk mencapai tujuan tersebut, peneliti melakukan metode penelitian kuantitatif. Populasi dalam penelitian ini adalah seluruh siswa kelas VII SMP Negeri 35 Medan. Kelas sampel dipilih secara random sampling. Kelas sampel yaitu kelas VII-4 sebagai kelas eksperimen diajar dengan menggunakan model pembelajaran Think Pair Share (TPS) berbantuan software Wingeom, sedangkan kelas VII-5 yang disebut kelas kontrol diajar dengan menggunakan model pembelajaran konvensional (model pembelajaran langsung). Hasil penelitian dengan melihat nilai F dan posttest, sehingga nilai $F_{hitung} = 161,771 > F_{tabel} = 2,68$, $H_a : \mu_1 \neq \mu_2$ diterima. Disimpulkan bahwa ada perbedaan yang signifikan antara model pembelajaran Think Pair Share berbantuan software Wingeom terhadap kemampuan komunikasi matematis siswa di SMP Negeri 35 Medan. Kemudian rumusan masalah dan hipotesis yang diajukan serta hasil penelitian berdasarkan analisis data dan pengujian hipotesis, kesimpulan yang diperoleh dalam penelitian ini adalah terdapat pengaruh model pembelajaran Think Pair Share berbantuan software Wingeom terhadap komunikasi matematis. kemampuan siswa di SMP Negeri 35 Medan.

Kata kunci: Model Pembelajaran Think Pair Share, Software Wingeom, Kemampuan Komunikasi Matematis Siswa.