

ABSTRAK

Zuhan Nafikhah, 2026. *Efektivitas Model Pembelajaran Think Talk Write Berbantuan Media Geoboard Terhadap Kemampuan Komunikasi Matematis Siswa Kelas IV Sekolah Dasar*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, FKIP, Universitas PGRI Madiun. Pembimbing (I) Dr. Fauzatul Ma'rufah R., M.Pd., Pembimbing (II) Melik Budiarti, S. Sos., M.A.

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan komunikasi matematis siswa yang merupakan salah satu kemampuan penting dalam pembelajaran abad ke-21. Penelitian ini bertujuan untuk mengetahui efektivitas model pembelajaran *Think Talk Write* berbantuan media *geoboard* terhadap kemampuan komunikasi matematis siswa kelas IV sekolah dasar pada materi bangun datar. Metode penelitian ini menggunakan pendekatan kuantitatif dengan metode *true experimental* menggunakan desain *Posttest-Only Control Group Design*. Teknik pengambilan sampel menggunakan *simple random sampling* dengan populasi sebanyak 100 siswa kelas IV sekolah dasar di gugus Kecamatan Balerejo. Sampel penelitian terdiri atas kelas eksperimen sebanyak 19 siswa SDN Garon 01 dan kelas kontrol sebanyak 18 siswa SDN Garon 02. Data diperoleh melalui tes kemampuan komunikasi matematis dan lembar observasi, kemudian dianalisis menggunakan uji normalitas, homogenitas, dan hipotesis *Independent Sample t-test*. Hasil penelitian menunjukkan nilai signifikansi sebesar $0,000 < 0,05$, sehingga H_0 ditolak dan H_1 diterima. Rata-rata nilai *post-test* kelas eksperimen sebesar 86,83 lebih tinggi dibandingkan kelas kontrol sebesar 68,28. Selain itu, hasil observasi menunjukkan skor kelas eksperimen sebesar 35,8 lebih tinggi dibandingkan kelas kontrol sebesar 26,6. Dengan demikian, model pembelajaran *Think Talk Write* berbantuan media *geoboard* efektif digunakan terhadap kemampuan komunikasi matematis siswa kelas IV sekolah dasar pada materi bangun datar.

Kata Kunci: Komunikasi Matematis Siswa, *Model Think Talk Write*, Media *Geoboard*, Matematika

ABSTRACT

Zuhan Nafikhah, 2026. *The Effectiveness of the Think Talk Write Learning Model Assisted by Geoboard Media on the Mathematical Communication Skills of Fourth-Grade Elementary School Students*. Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, PGRI Madiun University. Supervisor (I) Dr. Fauzatul Ma'rufah R., M.Pd., Supervisor (II) Melik Budiarti, S. Sos., M.A.

This study was motivated by the low mathematical communication skills of students, which is one of the essential competencies in 21st-century learning. This study aimed to determine the effectiveness of the Think Talk Write learning model assisted by geoboard media on the mathematical communication skills of fourth-grade elementary school students in plane geometry material. This study employed a quantitative approach using a true experimental method with a Posttest-Only Control Group Design. The sampling technique used simple random sampling with a population of 100 fourth-grade elementary school students in the Balerejo District cluster. The research sample consisted of 19 students from SDN Garon 01 as the experimental class and 18 students from SDN Garon 02 as the control class. Data were collected through mathematical communication skill tests and observation sheets, then analyzed using normality, homogeneity, and Independent Sample t-test hypothesis testing. The results showed a significance value of $0.000 < 0.05$, so H_0 was rejected and H_1 was accepted. The mean post-test score of the experimental class was 86.83, higher than the control class at 68.28. Furthermore, the observation results showed that the experimental class score of 35.8 was higher than the control class score of 26.6. Therefore, the Think Talk Write learning model assisted by geoboard media is effective in improving the mathematical communication skills of fourth-grade elementary school students in plane geometry material.

Keywords: Students' Mathematical Communication Skills, Think Talk Write Learning Model, Geoboard Media, Mathematics