

ABSTRAK

Galih Agung Yudo Prihantoro. 2025. Penerapan Model *Pembelajaran Think Talk Write* Berbantuan Media Pembelajaran Gema untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa SD. Pendidikan Guru Sekolah Dasar, FKIP, UNIVERSITAS PGRI MADIUN. Pembimbing (I) Dr. Rissa Prima Kurniawati, M.Pd. Pembimbing (II) Naniek Kusumawati, M.Pd

Penelitian ini dilatarbelakangi oleh rendahnya hasil belajar matematika siswa kelas IV SDN Grobogan 02, yang ditunjukkan oleh sebagian besar siswa memperoleh nilai di bawah Kriteria Ketuntasan Minimal (KKM). Proses pembelajaran masih bersifat konvensional, guru hanya menggunakan buku paket tanpa media pendukung, serta siswa belum dilibatkan secara aktif. Untuk mengatasi hal tersebut, diterapkan model pembelajaran *Think Talk Write* (TTW) berbantuan media pembelajaran gema (geogebra matematika). Tujuan penelitian ini adalah untuk mendeskripsikan penerapan model TTW berbantuan media gema dalam meningkatkan kemampuan pemecahan masalah matematis serta mendeskripsikan aktivitas guru dan siswa selama proses pembelajaran. Penelitian ini merupakan Penelitian Tindakan Kelas (PTK) yang dilaksanakan dalam dua siklus di kelas IV SDN Grobogan 02 dengan jumlah subjek 23 siswa. Teknik pengumpulan data menggunakan tes, observasi, dan dokumentasi. Setiap siklus terdiri atas tahap perencanaan, pelaksanaan, observasi, dan refleksi. Analisis data menggunakan pendekatan deskriptif kuantitatif dan kualitatif. Indikator keberhasilan ditentukan dari ketuntasan belajar siswa minimal 85% dan aktivitas guru serta siswa minimal berkategori sangat baik. Hasil penelitian menunjukkan adanya peningkatan kemampuan pemecahan masalah matematis siswa. Pada tahap pra siklus, nilai rata-rata siswa hanya 64 dengan ketuntasan 8,6%. Setelah penerapan pada siklus I, rata-rata meningkat menjadi 74 dengan ketuntasan 60,8 % dan pada siklus II meningkat menjadi 82 dengan ketuntasan mencapai 91,3% . Aktivitas guru dan siswa juga mengalami peningkatan dari kategori cukup menjadi sangat baik. Dengan demikian, penerapan model pembelajaran TTW berbantuan media gema terbukti efektif untuk meningkatkan kemampuan pemecahan masalah matematis siswa SD.

Kata Kunci: *Think Talk Write*, Media Gema, Pemecahan Masalah Matematis, Aktivitas Belajar

ABSTRACT

Galih Agung Yudo Prihantoro. 2025. *The Implementation of the Think Talk Write Learning Model Assisted by Gema Learning Media to Improve Elementary Students' Mathematical Problem-Solving Ability*. Elementary School Teacher Education, Faculty of Teacher Training and Education, PGRI Madiun University. Supervisor (I): Dr. Rissa Prima Kurniawati, M.Pd. Supervisor (II): Naniek Kusumawati, M.Pd.

This research was motivated by the low mathematics learning outcomes of fourth-grade students at SDN Grobogan 02, as indicated by most students scoring below the Minimum Completeness Criteria (KKM). The learning process was still conventional, with the teacher relying solely on textbooks without any supporting media, and students were not actively engaged. To address this issue, the Think Talk Write (TTW) learning model assisted by Gema (Geogebra Mathematics) learning media was implemented. This study aimed to describe the implementation of the TTW model assisted by Gema media in improving students' mathematical problem-solving abilities, as well as to describe teacher and student activities during the learning process. This was a Classroom Action Research (CAR) conducted in two cycles with 23 fourth-grade students at SDN Grobogan 02. Data were collected through tests, observations, and documentation. Each cycle consisted of planning, action, observation, and reflection stages. Data analysis used both quantitative and qualitative descriptive approaches. The success indicators were determined by a minimum of 85% student mastery and teacher-student activity categorized as very good. The results showed an improvement in students' mathematical problem-solving abilities. In the pre-cycle, the average score was 64 with only 8.6% mastery. After the first cycle, the average increased to 74 with 60.8% mastery, and in the second cycle, it reached 82 with 91.3% mastery. Teacher and student activities also improved from the "fair" to the "very good" category. Thus, the implementation of the TTW learning model assisted by Gema media was proven effective in improving the mathematical problem-solving ability of elementary school students.

Keywords: Think Talk Write, Gema Media, Mathematical Problem Solving, Learning Activity.