

## ABSTRAK

**Heliyati, NIM 4161111029 (2021). Analisis Jurnal Penelitian Model Kooperatif Tipe Think Talk Write (TTW) Terhadap Kemampuan Komunikasi Matematis Siswa.**

Penelitian ini bertujuan untuk: (1) Untuk mendeskripsikan hasil metasintesis, meta-analisis serta persamaan dan perbedaan kelima jurnal penelitian tentang pengaruh model pembelajaran kooperatif tipe *Think Talk Write* (TTW) terhadap kemampuan komunikasi matematis siswa. Penelitian ini termasuk jenis penelitian campuran antara kualitatif deskriptif dan kuantitatif dengan metode metasintesis dan meta-analisis. Subjek dalam penelitian ini adalah 5 artikel jurnal mengenai model pembelajaran kooperatif tipe *Think Talk Write* (TTW) terhadap kemampuan komunikasi matematis siswa. Penelitian ini dilaksanakan dengan tahapan identifikasi pertanyaan penelitian, mengembangkan protokol penelitian, menetapkan wilayah pencarian, *screening* hasil penelitian yang relevan, memilih hasil penelitian yang berkualitas, ekstraksi data dari hasil studi, sintesis data menggunakan metasintesis, meta-analisis menggunakan perhitungan *effect size*, dan penyajian hasil. Berdasarkan hasil penelitian dapat disimpulkan: (1) Metasintesis kelima jurnal berdasarkan indikator kemampuan komunikasi matematis menggunakan indikator yang sesuai dengan indikator yang ditetapkan peneliti. Metasintesis kelima jurnal berdasarkan analisis statistik diperoleh bahwa kemampuan komunikasi matematis siswa yang diajar dengan model pembelajaran kooperatif tipe *Think Talk Write* (TTW) lebih baik daripada kemampuan komunikasi matematis siswa yang diajar menggunakan model pembelajaran konvensional/ pembelajaran langsung; (2) Berdasarkan meta-analisis dengan perhitungan *effect size*, J4 merupakan sumber data yang memiliki nilai ES terbesar yaitu 1,27 (kategori efek besar), hasil perhitungan rata-rata *effect size* secara keseluruhan yaitu sebesar 0,71 (kategori efek sedang); (3) persamaan dari kelima jurnal yaitu berdasarkan jenis penelitian, instrumen penelitian, teknik analisis data, ruang lingkup isi jurnal dan perbedaan kelima jurnal yaitu berdasarkan desain penelitian, teknik pengambilan sampel, kesimpulan.

**Kata Kunci** : *Pembelajaran Kooperatif Tipe Think Talk Write, Kemampuan Komunikasi Matematis*

## ABSTRACT

**Heliyati, NIM 4161111029 (2021). *Analysis of The Research Journal Think Talk Write (TTW) Type of Cooperative Learning Models on Student's Mathematical Communication Skills***

*This study aims to: (1) To describe the results of metasynthesis, meta-analysis as well as the similarities and differences of the five research journals on the effect of the Think Talk Write (TTW) type of cooperative learning model on students' mathematical communication skills. This research is a mixed type of qualitative descriptive and quantitative research with metasynthesis and meta-analysis methods. The subjects in this study were 5 journal articles about the Think Talk Write (TTW) type of cooperative learning model on students' mathematical communication skills. This research was carried out with the stages of identifying research questions, developing research protocols, determining search areas, screening relevant research results, selecting quality research results, extracting data from study results, synthesizing data using metasynthesis, meta-analysis using effect size calculations, and presenting. Based on the research results, it can be concluded that: (1) Metasynthesis of the five journals is based on indicators of mathematical communication skills using indicators that are in accordance with the indicators set by the researcher. Metasynthesis of the five journals based on statistical analysis showed that the mathematical communication skills of students taught by the Think Talk Write (TTW) cooperative learning model were better than the mathematical communication skills of students taught using conventional / direct learning models; (2) Based on the meta-analysis with the effect size calculation, J4 is the data source that has the largest ES value of 1.27 (large effect category), the result of the overall average effect size calculation is 0.71 (medium effect category) ; (3) the equivalent of the five journals, namely based on the type of research, research instruments, data analysis techniques, the scope of the journal content and the differences between the five journals, namely based on research design, sampling techniques, conclusions.*

**Keywords** : *Think Talk Write Type of Cooperatif Learning Models, Mathematical Communication Skills*