

ABSTRAK

Alfrida M, 2022. Pengaruh Model Pembelajaran Kooperatif Tipe *Match Mine* Terhadap Kemampuan Komunikasi dan Koneksi Matematis Siswa Kelas IV SD Monginsidi 3 Kota Makassar, dibimbing oleh Agustan S dan Andi Husniati.

Penelitian ini bertujuan; (1) untuk mengetahui pengaruh penerapan model pembelajaran kooperatif tipe *match mine* terhadap kemampuan komunikasi siswa Kelas IV SD Monginsidi 3 Kota Makassar; dan (2) untuk mengetahui pengaruh penerapan model pembelajaran kooperatif tipe *match mine* terhadap kemampuan koneksi matematika siswa Kelas IV SD Monginsidi 3 Kota Makassar.

Penelitian ini merupakan jenis penelitian *quasi eksperimen* (eksperimen semu) desain *non equivalent control group*. Sampel yang dilibatkan dalam penelitian sebanyak 51 orang siswa diambil secara *cluster random sampling*. Teknik pengumpulan data penelitian ini menggunakan tes, observasi dan dokumentasi. Instrumen yang digunakan penelitian ini yaitu tes kemampuan komunikasi dan koneksi matematika. Teknik analisis data penelitian menggunakan analisis statistik deskriptif dan analisis statistik inferensial melalui tahapan uji normalitas, uji homogenitas dan uji hipotesis menggunakan SPSS.

Hasil penelitian ini menunjukkan bahwa model pembelajaran kooperatif tipe *match mine* juga berpengaruh terhadap kemampuan komunikasi dan koneksi matematis siswa. Hal ini berdasarkan hasil analisis inferensial yang telah dilakukan menggunakan uji hipotesis *independent sample t-test* dan uji *manova* diperoleh hasil signifikan nilai sig. $0,000 < 0,05$. Karena nilai sig lebih kecil dari alfa, maka hipotesis diterima yaitu ada pengaruh model pembelajaran kooperatif tipe *match mine* terhadap kemampuan komunikasi dan koneksi matematis siswa kelas IV SD Monginsidi 3 Kota Makassar.

Kata Kunci: Model Match Mine, Komunikasi, Koneksi Matematis

ABSTRACT

Alfrida M, 2023. The Effect of the Match Mine Cooperative Learning Model on the Communication and Mathematics Connection Ability of Fourth Grade Students at Monginsidi 3 Elementary School Makassar. Supervised by Agustan S and Andi Husniati.

The purpose of this research were: (1) to determine the effect of the application the match mine type cooperative learning model on the communication skills of Class IV students of SD Monginsidi 3 Makassar; and (2) to determine the effect of the application of the match mine type cooperative learning model on the mathematics connection ability of the fourth grade students of SD Monginsidi 3 Makassar.

This type of research was quasi-experimental (quasi-experimental, this research used a non-equivalent control group design). The sampel involved in the study were 51 students taken by purposive sampling. The data collection technique of this research used tests, observations and documentation. The instruments used in this study were: test of communication skills and mathematics connections. The research data analysis technique used descriptive statistical analysis and inferential statistical analysis through the stages of normality test, homogeneity test and hypothesis testing using SPSS.

The results of this study indicated that the match mine type of cooperative learning model also affected students' mathematics communication and connection skills. This was based on the results of the inferential analysis that carried out using the independent sample t-test hypothesis test and the Manova test, the sig value was significant. $0.000 < 0.05$. Because the sign value is smaller than alpha, the hypothesis is accepted, namely that there was an influence of the match mine type cooperative learning model on the communication and mathematics connection skills of fourth grade students at Monginsidi 3 Elementary School Makassar.

Keywords: Match Mine Model, Communication, Mathematics Connection

