

ABSTRAK

Dila: Pengaruh Model Pembelajaran *Realistic Mathematic Education* (RME) Berbantuan Alat Peraga Lego Terhadap Hasil Belajar Matematika Materi Geometri Pada Siswa Kelas IV SDN 5 Singkawang. **Skripsi, ISBI Singkawang, 2024**

Penelitian ini bertujuan untuk: 1) mengetahui apakah terdapat perbedaan hasil belajar siswa yang diajarkan menggunakan model *Realistic Mathematic Education* (RME) berbantuan alat peraga Lego pada materi geometri kelas IV SDN 5 Singkawang, 2) Untuk mengetahui seberapa besar pengaruh model *Realistic Mathematic Education* (RME) berbantuan alat peraga Lego terhadap hasil belajar matematika siswa pada materi geometri kelas IV SDN 5 Singkawang, 3) Untuk mengetahui bagaimana respon siswa setelah diterapkan model pembelajaran *Realistic Mathematic Education* (RME) berbantuan alat peraga Lego terhadap hasil belajar matematika siswa pada materi geometri kelas IV SDN 5 Singkawang. Jenis penelitian yaitu penelitian kuantitatif dengan metode *Quasi Experimental Design* dengan bentuk *Pretest-Posttest Control Group Design*. Populasi sampel yang diambil dalam penelitian ini adalah siswa kelas IVA, IVB dan IVC dengan jumlah 41 siswa. Sampel yang diambil adalah kelas IVA 21 siswa. Teknik pengumpulan data menggunakan teknik tes soal hasil belajar kognitif dan angket respon siswa. Teknik analisis data menggunakan uji Uji t independent, uji *Effect Size*, dan angket respon siswa. Hasil penelitian menunjukkan. 1) Terdapat pengaruh yang signifikan model pembelajaran (RME) berbantuan alat peraga Lego terhadap hasil belajar matematika siswa pada materi geometri kelas IV. Hal ini ditunjukkan dari hasil uji t yaitu t_{hitung} sebesar 2,3042 dan t_{tabel} sebesar 2,0210 diperoleh $t_{hitung} \geq t_{tabel}$ maka H_a diterima dan H_o ditolak. 2) Model pembelajaran RME berpengaruh besar terhadap hasil belajar matematika siswa pada materi geometri kelas IV. Hal ini ditunjukkan dari hasil *Effect Size* = 0,55. 3) Respon siswa positif terhadap model pembelajaran *Realistic Mathematic Education* (RME) berbantuan alat peraga Lego. Hal ini ditunjukkan dari hasil angket respon siswa memiliki rata rata 74% berada dikategori baik

Kata Kunci: Model *Realistic Mathematic Education* (RME), Hasil Belajar Matematis

ABSTRACT

Dila: The Influence of the Realistic Mathematic Education (RME) Learning Model Assisted by Lego Teaching Aids on Mathematics Learning Outcomes in Geometry Material in Class IV Students at SDN 5 Singkawang. Thesis, ISBI Singkawang, 2024

This research aims to: 1) find out whether there are differences in student learning outcomes taught using the Realistic Mathematic Education (RME) model assisted by Lego teaching aids on class IV geometry material at SDN 5 Singkawang, 2) To find out how much influence the Realistic Mathematic Education (RME) model has.) assisted by Lego teaching aids on students' mathematics learning outcomes in class IV geometry material at SDN 5 Singkawang, 3) To find out how students responded after applying the Realistic Mathematic Education (RME) learning model assisted by Lego teaching aids on students' mathematics learning outcomes in fourth grade geometry material SDN 5 Singkawang. The type of research is quantitative research using the Quasi Experimental Design method in the form of Pretest-Posttest Control Group Design. The sample population taken in this research was students in class IVA, IVB and IVC with a total of 41 students. The sample taken was class IVA 21 students. The data collection technique uses cognitive learning outcomes test techniques and student response questionnaires. The data analysis technique uses the independent t test, effect size test, and student response questionnaire. The research results show. 1) There is a significant influence of the learning model (RME) assisted by Lego teaching aids on students' mathematics learning outcomes in class IV geometry material. This is shown from the results of the t test, namely t_{count} of 2.3042 and t_{table} of 2.0210, obtained $t_{\text{count}} \geq t_{\text{table}}$ so H_a is accepted and H_o is rejected. 2) The RME learning model has a big influence on students' mathematics learning outcomes in class IV geometry material. This is shown by the results of Effect Size = 0.55. 3) Positive student response to the Realistic Mathematic Education (RME) learning model assisted by Lego teaching aids. This is shown from the results of the student response questionnaire which has an average of 74% which is in the good category

Keywords: Realistic Mathematical Education (RME) Model, Mathematical Learning Outcomes