

ABSTRAK

Pemahaman konsep matematis siswa pada materi operasi hitung bilangan bulat di sekolah dasar, termasuk di SDN 9 Meurah Mulia, masih tergolong rendah karena minimnya penggunaan media pembelajaran konkret yang mampu memvisualisasikan konsep abstrak secara nyata. Tujuan penelitian yang dilaksanakan peneliti adalah untuk mendeskripsikan pengaruh penggunaan media pembelajaran papan OBIBUL terhadap pemahaman konsep matematis siswa kelas IV SDN 9 Meurah Mulia pada materi operasi hitung bilangan bulat. Penelitian menggunakan pendekatan kuantitatif dengan desain *quasi-experimental*. Populasi sekaligus sampel penelitian adalah seluruh siswa kelas IV SDN 9 Meurah Mulia tahun ajaran 2025/2026 yang berjumlah 35 siswa, terdiri atas 18 siswa kelas IV A sebagai kelas eksperimen dan 17 siswa kelas IV B sebagai kelas kontrol, dengan teknik total sampling. Teknik pengumpulan data dalam penelitian ini berupa teknik tes berbentuk *pretest* dan *posttest*, dengan analisis data menggunakan SPSS 21. Pengujian hipotesis menggunakan *independent samples t-test*. Berdasarkan hasil penelitian, diperoleh nilai t hitung $> t$ tabel = 6,494 $>$ 2,034 dan nilai Sig.(1-tailed) = 0,000 $<$ 0,05, sehingga H_0 ditolak dan H_a diterima. Dengan demikian dapat disimpulkan bahwa terdapat pengaruh yang signifikan dari penggunaan media pembelajaran papan OBIBUL terhadap pemahaman konsep matematis siswa kelas IV SDN 9 Meurah Mulia pada materi operasi hitung bilangan bulat.

Kata Kunci: Papan OBIBUL, Pemahaman Konsep Matematis, Operasi Bilangan Bulat

ABSTRACT

Students' understanding of mathematical concepts in the topic of integer arithmetic operations at the elementary school level, including at SDN 9 Meurah Mulia, remains relatively low due to the limited use of concrete learning media capable of visualizing abstract concepts in a tangible way. This study aims to describe the effect of using the OBIBUL board learning media on students' understanding of mathematical concepts among fourth-grade students of SDN 9 Meurah Mulia in the topic of integer arithmetic operations. The study employed a quantitative approach with a quasi-experimental design. The population and sample of this study consisted of all fourth-grade students of SDN 9 Meurah Mulia in the 2025/2026 academic year, totaling 35 students, comprising 18 students of class IV A as the experimental group and 17 students of class IV B as the control group, using a total sampling technique. Data were collected through pretest and posttest techniques, with data analysis carried out using SPSS 21. Hypothesis testing was conducted using an independent samples t-test. Based on the results of the study, the calculated t-value exceeded the table t-value ($6.494 > 2.034$) with a Sig. (1-tailed) value of $0.000 < 0.05$, so that H_0 was rejected and H_a was accepted. It can therefore be concluded that there is a significant effect of using the OBIBUL board learning media on students' understanding of mathematical concepts among fourth-grade students of SDN 9 Meurah Mulia in the topic of integer arithmetic operations.

Keywords: OBIBUL Board, Understanding of Mathematical Concepts, Integer Operations