

Eka Norberta. 2025. *Pengembangan Alat Peraga Baruga (Bangun Ruang Gabungan) Materi Penghitung Volume Bangun Ruang Kelas V SDN Lukrejo Lamongan*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Conny Dian Sumadi, S.Pd., M.Pd.

ABSTRAK

Peneliti ini mengembangkan Alat Peraga BARUGA (Bangun Ruang Gabungan) Materi Menghitung Volume Bangun Ruang Kelas V SDN Lukrejo Lamongan. Tujuan penelitian ini adalah untuk mengetahui kevalidan, keefektifan, dan kemenarikan alat peraga tersebut. Penelitian ini menggunakan model ADDIE (Analysis, Design, Development, Implementation, Evaluation). Teknik pengumpulan data meliputi wawancara, observasi, angket, dan tes. Hasil validasi menunjukkan nilai 92% dari ahli media pembelajaran, 89,1% dari ahli materi dan 95,4% dari ahli desain pembelajaran, dengan rata-rata keseluruhan 92,2% yang termasuk dalam kategori sangat valid. Keefektifan alat peraga dinilai melalui observasi aktivitas guru dan siswa, serta tes hasil belajar yang dilakukan pada uji coba lapangan. Pada uji coba lapangan, observasi aktivitas guru memperoleh skor 100%, aktivitas siswa 95,5%, dan hasil belajar klasikal 100% (kategori tuntas). Kemenarikan media dinilai melalui angket respon guru dan siswa, dengan 100% pada uji coba implementasi untuk angket respon guru, serta 95,6% pada uji coba implementasi untuk angket respon siswa, keseluruhan termasuk dalam kategori sangat menarik. Berdasarkan hasil penelitian dan analisis data, alat peraga BARUGA dinyatakan valid, efektif, dan menarik untuk digunakan sebagai media pembelajaran materi menghitung volume bangun ruang bagi siswa kelas V SDN Lukrejo.

Kata Kunci : Alat Peraga BARUGA, Volume Bangun Ruang, Matematika

Eka Norberta. 2025. Development of Baruga (Combined Space Structure) Teaching Aids for Volume Calculation Material of Class V Space Structures of SDN Lukrejo Lamongan. Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Conny Dian Sumadi, S.Pd., M.Pd.

ABSTRACT

This researcher developed the BARUGA (Combined Space Structure) Teaching Aid Material Calculating the Volume of Class V Space Structures of SDN Lukrejo Lamongan. The purpose of this study was to determine the validity, effectiveness, and attractiveness of the teaching aid. This study used the ADDIE (Analysis, Design, Development, Implementation, Evaluation) model. Data collection techniques included interviews, observations, questionnaires, and tests. The validation results showed a value of 92% from learning media experts, 89.1% from material experts and 95.4% from learning design experts, with an overall average of 92.2% which was included in the very valid category. The effectiveness of the teaching aid was assessed through observations of teacher and student activities, as well as learning outcome tests conducted in field trials. In the field trial, observations of teacher activities obtained a score of 100%, student activities 95.5%, and classical learning outcomes 100% (complete category). The attractiveness of the media was assessed through teacher and student response questionnaires, with 100% in the implementation trial for the teacher response questionnaire, and 95.6% in the implementation trial for the student response questionnaire, all included in the very interesting category. Based on the results of the research and data analysis, the BARUGA teaching aids were declared valid, effective, and interesting to be used as a learning medium for the material of calculating the volume of geometric shapes for grade V students of SDN Lukrejo.

Keywords: *BARUGA Teaching Aids, Volume of Solid Geometry, Mathematics*