

Dewi Lafayza Khaleda Zia. 2026. *Pengembangan Modul Ajar Materi Bangun Ruang Berbasis Literasi Matematika Pada Siswa Kelas V Sekolah Dasar*. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar. Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Dr. Indah Setyo Wardhani, M.Pd

ABTRAK

Penelitian ini bertujuan mengembangkan modul ajar materi bangun ruang berbasis literasi matematika untuk siswa kelas V sekolah dasar yang memenuhi kriteria valid, praktis, dan efektif. Penelitian menggunakan metode Research and Development (R&D) dengan model ADDIE yang meliputi tahap *Analyze*, *Design*, *Development*, *Implementation*, dan *Evaluation*. Subjek penelitian adalah siswa kelas V SDN Karangtanjung Sidoarjo, dengan teknik pengumpulan data berupa wawancara, observasi, angket, tes, dan dokumentasi. Hasil penelitian menunjukkan bahwa modul ajar memperoleh tingkat validitas sebesar 91%, kepraktisan sebesar 93% pada uji coba kelompok kecil dan 100% pada kelompok besar, serta efektif dalam meningkatkan literasi matematika siswa dengan ketuntasan belajar mencapai 100%, respons siswa sebesar 90,8%, dan respons guru sebesar 100%. Dengan demikian, modul ajar yang dikembangkan layak digunakan dalam pembelajaran matematika untuk meningkatkan kemampuan literasi matematika siswa.

Kata kunci: modul ajar, bangun ruang, literasi matematika, ADDIE.

Dewi Lafayza Khaleda Zia. 2026. Development of a Mathematics Literacy-Based Teaching Module on Solid Geometry for Fifth-Grade Elementary School Students. *Undergraduate Thesis. Primary School Teacher Education Study Program. Faculty of Teacher Training and Education, Trunojoyo University of Madura. Advisor: Dr. Indah Setyo Wardhani, M.Pd.*

ABSTRACT

This study aimed to develop a mathematics literacy-based teaching module on solid geometry for fifth-grade elementary school students that meets the criteria of validity, practicality, and effectiveness. The research employed the Research and Development (R&D) method using the ADDIE model, consisting of the Analyze, Design, Development, Implementation, and Evaluation stages. The participants were fifth-grade students of SDN Karangtanjung Sidoarjo, and data were collected through interviews, observations, questionnaires, tests, and documentation. The results showed that the teaching module achieved a validity score of 91%, practicality scores of 93% in the small-group trial and 100% in the large-group trial, and was effective in improving students' mathematical literacy, with 100% learning mastery, a 90.8% positive student response, and a 100% positive teacher response. Therefore, the developed teaching module is valid, practical, effective, and suitable for use in elementary mathematics learning.

Keywords: *teaching module, solid geometry, mathematical literacy, ADDIE.*