

ABSTRAK

Pembelajaran matematika pada materi bangun datar di SD Negeri 3 Karanggude masih dilakukan secara konvensional melalui penjelasan lisan dan media gambar sederhana, sehingga perhatian dan pemahaman siswa kelas V terhadap rumus luas bangun datar belum optimal. Penelitian ini bertujuan untuk merancang video animasi 2D yang menyajikan materi bangun datar guna membantu siswa kelas V sekolah dasar memahami rumus luas bangun datar. Perancangan dilakukan menggunakan metode ADDIE (*Analysis, Design, Development, Implementation, dan Evaluation*), Data diperoleh melalui observasi, wawancara, studi literatur, dan kuesioner. Video yang dibuat berisi penjelasan materi, animasi bentuk bangun datar, nyanyian rumus, dan latihan soal sebagai penguatan pemahaman siswa. Media pembelajaran kemudian divalidasi oleh ahli materi dan ahli media menggunakan skala *Likert*. Hasil penelitian menunjukkan bahwa video animasi 2D memperoleh kategori sangat layak berdasarkan penilaian ahli materi dan kategori layak berdasarkan penilaian ahli media dan siswa memperoleh persentase jawaban benar sebesar 89% pada latihan soal serta memberikan tanggapan terhadap media pembelajaran dengan persentase sebesar 94,75% yang termasuk dalam kategori sangat baik. Dengan demikian, video animasi 2D yang dirancang dapat digunakan sebagai media pembelajaran untuk membantu siswa kelas V sekolah dasar memahami materi rumus luas bangun datar.

Kata kunci: video animasi 2D, media pembelajaran, matematika, bangun datar, ADDIE

ABSTRACT

Mathematics instruction on plane figures at SD Negeri 3 Karanggude is still conducted conventionally through verbal explanations and simple visual aids. As a result, fifth grade students' attention and understanding of area formulas have not yet reached an optimal level. This study aimed to design a 2D animated video that presents material on plane figures to help fifth grade elementary school students understand area formulas. The design process used the ADDIE model, which consists of Analysis, Design, Development, Implementation, and Evaluation. Data were collected through observation, interviews, literature review, and questionnaires. The video contains explanations of the material, animations of plane figures, a song about area formulas, and practice questions to strengthen students' understanding. The learning media was then validated by a subject matter expert and media experts using a Likert scale. The results showed that the 2D animated video was rated as highly feasible by the subject matter expert and feasible by the media experts. The students achieved 89% correct answers on the practice questions and gave a response score of 94.75%, which was classified as excellent. Therefore, the designed 2D animated video can be used as a learning medium to help fifth grade elementary school students understand area formulas for plane figures.

Keywords: 2D animated video, learning media, mathematics, plane figures, ADDIE