

ABSTRAK

Pembelajaran IPAS pada materi fotosintesis di kelas IV SD Negeri 1 Karangtengah masih didominasi oleh metode ceramah dan penggunaan buku cetak dengan dukungan visual yang terbatas, sehingga siswa mengalami kesulitan dalam memahami konsep-konsep yang bersifat abstrak. Penelitian ini bertujuan untuk merancang media pembelajaran interaktif berbasis infografis pada materi fotosintesis bagi siswa kelas IV Sekolah Dasar serta mengetahui tingkat kelayakan media berdasarkan hasil validasi ahli materi dan ahli media. Penelitian ini menggunakan model ADDIE (*Analysis, Design, Development, Implementation, Evaluation*). Media pembelajaran dirancang menggunakan Microsoft PowerPoint dan Canva. Pengumpulan data dilakukan melalui observasi, wawancara, studi pustaka, serta penyebaran kuesioner kepada ahli materi, ahli media, dan siswa. Analisis data menggunakan teknik deskriptif kuantitatif melalui perhitungan persentase skor validasi. Hasil penelitian menunjukkan bahwa media pembelajaran yang dirancang dilengkapi dengan fitur navigasi interaktif, penyajian materi berbasis infografis, ilustrasi proses fotosintesis, dan kuis evaluasi yang disusun berdasarkan prinsip *Cognitive Theory of Multimedia Learning* (CTML). Hasil validasi oleh ahli materi memperoleh persentase kelayakan sebesar 98%, sedangkan hasil validasi oleh ahli media memperoleh persentase kelayakan sebesar 82%, yang keduanya termasuk dalam kategori Sangat Layak. Selanjutnya, media diimplementasikan kepada siswa kelas IV SD Negeri 1 Karangtengah melalui beta testing dan dapat digunakan dengan baik tanpa kendala berarti. Dengan demikian, media pembelajaran interaktif berbasis infografis yang dirancang dinyatakan layak digunakan sebagai media pendukung pembelajaran IPAS pada materi fotosintesis di kelas IV Sekolah Dasar.

Kata kunci: media pembelajaran interaktif, infografis, fotosintesis, model ADDIE, sekolah dasar.

ABSTRACT

Science and Social Studies (IPAS) learning on the topic of photosynthesis in Grade IV at SD Negeri 1 Karangtengah is still dominated by lecture-based instruction and the use of printed textbooks with limited visual support, making it difficult for students to understand abstract concepts. This study aims to design an interactive infographic-based learning medium on the topic of photosynthesis for fourth-grade elementary school students and to determine its feasibility based on the validation results of material experts and media experts. This study employed the ADDIE model (Analysis, Design, Development, Implementation, and Evaluation). The learning medium was designed using Microsoft PowerPoint and Canva. Data were collected through observation, interviews with the fourth-grade teacher, literature review, and questionnaires distributed to material experts, media experts, and students. The data were analyzed using a quantitative descriptive technique based on the percentage of validation scores. The results indicate that the designed learning medium includes interactive navigation features, infographic-based learning materials, illustrations of the photosynthesis process, and evaluation quizzes developed based on the principles of the Cognitive Theory of Multimedia Learning (CTML). The material expert validation resulted in a feasibility percentage of 98%, while the media expert validation resulted in a feasibility percentage of 82%, both of which were categorized as Very Feasible. Furthermore, the learning medium was implemented with fourth-grade students at SD Negeri 1 Karangtengah through beta testing and functioned well without significant issues in navigation or content presentation. Therefore, the designed interactive infographic-based learning medium is considered feasible to be used as a supporting learning medium for teaching photosynthesis to fourth-grade elementary school students.

Keywords: interactive learning media, infographics, photosynthesis, ADDIE model, elementary school.