

Ana Mardiyana. 2025. *Pengembangan Multimedia Digital Pada Muatan IPAS Materi Energi Alternatif dan Kegunaannya Kelas IV SD Negeri Kraton 1 Bangkalan*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura.

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ABSTRAK

Tujuan penelitian pengembangan ini untuk mengetahui kevalidan, kemenarikan, dan keefektifan Multimedia Digital pada Muatan IPAS Materi Energi Alternatif dan Kegunaannya Kelas IV SD Negeri Kraton 1 Bangkalan. Penelitian pengembangan ini menggunakan model ADDIE yang terdiri dari 5 tahapan, yaitu *Analysis, Design, Development, Implementation, dan Evaluation*. Penelitian pengembangan ini menggunakan teknik pengumpulan data berupa observasi, wawancara, angket, dan tes hasil belajar ranah kognitif siswa. Kevalidan multimedia digital diperoleh dari validator ahli media sebesar 90,38% dengan kategori sangat valid, ahli materi 71,42% dengan kategori valid, dan ahli desain pembelajaran 88,23% dengan kategori sangat valid. Kemenarikan multimedia digital diperoleh dari angket respon siswa kelompok kecil sebesar 93,45%, dari angket respon siswa kelompok besar sebesar 97,03%, dan angket respon guru sebesar 97,22%. Keefektifan multimedia digital diperoleh dari hasil observasi aktivitas guru pada pembelajaran 1 dan 2 sebesar 97,05% dan 100% dengan kategori sangat aktif, hasil observasi aktivitas siswa pada pembelajaran 1 dan 2 sebesar 93% dan 96,87% dengan kategori sangat aktif, serta hasil belajar ranah kognitif siswa sebesar 100% dengan kategori tercapai. Berdasarkan hasil penelitian maka multimedia digital berada pada kategori sangat valid, sangat menarik, dan sangat efektif digunakan pada kelas IV SD Negeri Kraton 1 Bangkalan.

Kata Kunci: Media Pembelajaran, Multimedia digital, Energi Alternatif dan Kegunaannya

Ana Mardiyana. 2025. Development of Digital Multimedia in the Science Content of Alternative Energy Material and Its Uses for Grade IV of Kraton 1 Elementary School, Bangkalan. Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura.

Supervisor: Parrisca Indra Perdana, S.Pd., M.Pd.

ABSTRACT

The purpose of this development research is to determine the validity, attractiveness, and effectiveness of Digital Multimedia in the Science Content of Alternative Energy Material and Its Uses for Grade IV of Kraton 1 Elementary School, Bangkalan. This development research uses the ADDIE model which consists of 5 stages, namely Analysis, Design, Development, Implementation, and Evaluation. This development research uses data collection techniques in the form of observation, interviews, questionnaires, and cognitive domain learning outcome tests for students. The validity of digital multimedia is obtained from media expert validators of 90,38% with a very valid category, material experts 71.42% with a valid category, and learning design experts 88.23% with a very valid category. The attractiveness of digital multimedia is obtained from small group student response questionnaires of 93.45%, from large group student response questionnaires of 97.03%, and teacher response questionnaires of 97.22%. The effectiveness of digital multimedia is obtained from the results of observations of teacher activities in learning 1 and 2 of 97.05% and 100% with the very active category, the results of observations of student activities in learning 1 and 2 of 93% and 96.87% with the very active category, and the results of students' cognitive learning are 100% with the achieved category. Based on the results of the study, digital multimedia is in the category of very valid, very interesting, and very effective for use in class IV of Kraton 1 Bangkalan Elementary School.

Keywords: *Learning Media, Digital Multimedia, Alternative Energy and Its Uses*