

Lucky Fathoni Firmansyah. 2022. *Pengembangan Multimedia Interaktif Berbasis HTML 5 Pada Materi Sistem Tata Surya*. Skripsi, Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trujoyo Madura. Pembimbing : Mochammad Ahied, S.Si, M.Si.

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan multimedia interaktif berbasis HTML 5. Pengembangan ini memfokuskan pada materi sistem tata surya pada kelas VII SMP/MTs. Model pengembangan yang digunakan yaitu ADDIE (*Analyze, Design, Development, Implement, Revision*). Subjek penelitian ini sebanyak 25 siswa kelas VII E MTsN 5 Bojonegoro. Instrumen yang digunakan yaitu lembar validasi ahli media, ahli materi, guru IPA, dan angket respons siswa. Berdasarkan hasil penelitian dapat disimpulkan bahwa : (1) analisis kelayakan dari ahli media dan ahli materi menghasilkan nilai rata-rata validitas sebesar 95,14% dengan kategori sangat layak dan reliabilitas sebesar 96,83% dengan kategori sangat reliabel, sehingga multimedia interaktif berbasis HTML 5 pada materi sistem tata surya layak digunakan pada proses pembelajaran materi sistem tata surya, (2) hasil respons siswa menghasilkan nilai rata-rata sebesar 91,9% dengan kategori sangat baik, berdasarkan hal tersebut maka multimedia interaktif berbasis HTML 5 pada materi sistem tata surya efektif digunakan sebagai media pembelajaran pada materi sistem tata surya.

Kata kunci : HTML 5, model ADDIE, multimedia interaktif

Lucky Fathoni Firmansyah. 2022. HTML 5-based Interactive Multimedia Development on the Material of the Solar System. Thesis, Natural Science Education Study Program, Faculty of Education, University of Trujoyo Madura. Advisor : Mochammad Ahied, S.Si, M.Si

ABSTRACT

This research aims to develop interactive multimedia based on HTML 5. This development is focused on the material of the solar system in class VII SMP/MTs. This research used the ADDIE development model that includes 5 stages, namely analysis, design, development, implementation, and evaluation. The subjects of this study were 25 students of class VII E MTsN 5 Bojonegoro. The instruments used are media expert validation sheets, material experts, science teachers, and student response questionnaires. Based on the results of the study, it can be obtained that: (1) the analysis of media experts and material experts produces an average validity value of 95.14% with a very feasible category and 96.83% reliability with a very reliable category, HTML 5-based multimedia on the solar system material is suitable for use in the solar system material learning process, (2) the student response results produce an average value of 91.9% with an excellent category, based on this, HTML 5-based interactive multimedia on the solar system material effectively used as a learning medium on the material of the solar system.

Keywords : ADDIE model, HTML 5, interactive multimedia