PENGEMBANGAN MEDIA AUGMENTED REALITY PADA MATERI LAPISAN BUMI MUATAN IPAS TERHADAP MOTIVASI BELAJAR SISWA KELAS V SD N 6 BLAHBATUH

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ABSTRAK

Keterbatasan media pembelajaran yang mampu memvisualisasikan konsep abstrak secara konkret masih menjadi tantangan dalam pembelajaran Ilmu Pengetahuan Alam dan Sosial (IPAS) di sekolah dasar, khususnya pada materi lapisan bumi. Materi ini menuntut kemampuan visualisasi yang baik agar siswa dapat memahami struktur dan karakteristik setiap lapisan bumi secara utuh. Penelitian ini merupakan penelitian pengembangan yang menggunakan model ADDIE (*Analysis, Design, Development, Implementation, dan Evaluation*) dengan tujuan menghasilkan media pembelajaran berbasis *augmented reality* (AR) pada materi lapisan bumi serta menguji kelayakan dan egektifitasnya dalam pembelajaran IPAS kelas V sekolah dasar. Subjek penelitian meliputi ahli materi, ahli desain instruksional, ahli media pembelajaran, serta siswa kelas V SD Negeri 6 Blahbatuh pada tahap uji coba produk. Teknik pengumpulan data dilakukan melalui wawancara, observasi, angket validasi ahli, dan angket respons siswa. Analisis data dilakukan menggunakan analisis deskriptif kuantitatif untuk menentukan tingkat kelayakan media. Hasil uji rancang bangun oleh ahli desain instruksional menunjukkan persentase sebesar 87,50% dengan kualifikasi baik. Hasil uji kelayakan media menunjukkan bahwa media *augmented reality* memperoleh persentase 100% dari ahli materi, 92,50% dari ahli desain instruksional, dan 90,00% dari ahli media pembelajaran, yang seluruhnya berada pada kategori sangat baik. Hasil uji coba perorangan menunjukkan persentase rata-rata sebesar 94,44%, sedangkan hasil uji coba kelompok kecil memperoleh persentase sebesar 96,62% dengan kualifikasi sangat baik. Berdasarkan hasil tersebut, media pembelajaran *augmented reality* pada materi lapisan bumi dinyatakan layak dan siap digunakan sebagai media pembelajaran IPAS di sekolah dasar

Kata Kunci: *Augmented Reality*, media pembelajaran, IPAS, lapisan bumi, sekolah dasar

THE DEVELOPMENT OF AUGMENTED REALITY MEDIA FOR THE EARTH'S LAYERS SUBJECT IN SCIENCE TOWARDS LEARNING MOTIVATION OF GRADE V STUDENTS AT SD N 6 BLAHBATUH

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ABSTRACT

The limited availability of learning media capable of concretely visualizing abstract concepts remains a challenge in Natural and Social Sciences (IPAS) learning in elementary schools, particularly in the topic of the earth's layers. This material requires good visualization skills so that students can fully understand the structure and characteristics of each layer of the earth. This research is a developmental study using the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) model with the aim of producing augmented reality (AR)-based learning media for the earth's layers topic and testing its feasibility and effectiveness in fifth-grade elementary school science learning. The research subjects included material experts, instructional design experts, instructional media experts, and fifth-grade students of Blahbatuh 6 Elementary School during the product trial phase. Data collection techniques included interviews, observations, expert validation questionnaires, and student response questionnaires. Data analysis used quantitative descriptive analysis to determine the media's feasibility. The design test results by the instructional design experts showed a percentage of 87.50%, qualifying as good. The media feasibility test results showed that the augmented reality media received 100% approval from the material experts, 92.50% from the instructional design experts, and 90.00% from the instructional media experts, all of which were in the very good category. The individual trial results showed an average percentage of 94.44%, while the small group trial results obtained a percentage of 96.62%, qualifying as very good. Based on these results, the augmented reality learning media on the Earth's layers was declared feasible and ready for use as a science learning medium in elementary schools.

Keywords*: Augmented Reality, learning media, Science, Earth's layers, elementary schools*