

ABSTRAK

PENGEMBANGAN MEDIA PEMBELAJARAN IPA SD MATERI DAUR HIDUP HEWAN BERBASIS METODE MONTESSORI

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Latar belakang penelitian adalah siswa mengalami kesulitan dalam memahami materi IPA karena materi IPA bersifat abstrak. Penggunaan media pembelajaran dibutuhkan untuk mengatasi permasalahan tersebut tetapi ketersediaan media pembelajaran IPA di sekolah masih terbatas. Tujuan penelitian ini adalah mendeskripsikan prosedur pengembangan media pembelajaran daur hidup hewan berbasis metode Montessori dan mengetahui kualitas pengembangan media pembelajaran daur hidup hewan berbasis metode Montessori.

Jenis penelitian yang digunakan adalah penelitian dan pengembangan. Subjek penelitian ini adalah 10 siswa kelas III SD Kanisius Jetisdepok tahun ajaran 2016/2017. Objek penelitian ini adalah media pembelajaran IPA berbasis metode Montessori. Instrumen penelitian yang digunakan adalah pedoman observasi, pedoman wawancara, kuesioner, dan soal tes. Teknik analisis data yang digunakan adalah analisis data kuantitatif dan kualitatif.

Hasil penelitian menunjukkan bahwa prosedur pengembangan media pembelajaran daur hidup hewan berbasis metode Montessori dimodifikasi dalam lima tahap yaitu potensi dan masalah, perencanaan, pengembangan bentuk awal produk, validasi produk, dan uji coba lapangan terbatas. Validasi produk menunjukkan kualitas sangat baik dengan rerata skor sebesar 3,86. Uji coba lapangan terbatas menunjukkan bahwa nilai yang diperoleh siswa pada saat *posttest* lebih tinggi daripada nilai *pretest*. Selisih rerata nilai *pretest* dan *posttest* sebesar 31. Oleh sebab itu, dapat disimpulkan bahwa media pembelajaran daur hidup hewan memiliki kualitas sangat baik dan dapat membantu siswa dalam mempelajari materi daur hidup hewan.

Kata kunci: penelitian dan pengembangan, media pembelajaran, IPA, daur hidup hewan, metode Montessori.

ABSTRACT

DEVELOPMENT OF SCIENCE LEARNING MEDIA OF ELEMENTARY SCHOOL ON LIFE CYCLE OF ANIMAL MATERIAL BASED ON MONTESSORI METHOD

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Background of this research was the students having difficulties in understanding the materials because the materials of IPA was abstract. The use of learning media was needed to overcome these problem but the availability of the science learning media in school was still limited. The purpose of this research was to described the procedures and the quality of elementary school science learning media on life cycle of animal material based on Montessori method.

Kind of research used was research and development. The subject of this research were 10 grade III students of Kanisius Jetisdepok elementary school 2016/2017. The object of this research was a science learning media based on Montessori method. Research instrument used were observation manual, interview manual, questionnaires, and question of test. Data analysis technique used were quantitative and qualitative data analysis.

The research results indicated that the procedures of the development of science learning media of elementary school on life cycle of animal material based on Montessori method was modified into 5 phases that were issues and potential, planned, the development of an early form of the product, product validation, and limited field trials. The validation of the product indicated that the quality was very good with an average score 3,86. The limited field trials indicated that the value which students got when posttest was higher than pretest. Difference between the average score of pretest and posttest amounted to 31. Therefore, it can be concluded that the learning media of animal life cycle has a very good quality and could helping students in learning the material of animal life cycle.

Keywords: *research and development, learning media, IPA, life cycle of the animal, Montessori method.*