

ABSTRAK

PENGEMBANGAN MEDIA PEMBELAJARAN IPA SD MATERI ORGAN PENCERNAAN MANUSIA BERBASIS METODE MONTESSORI

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Penelitian ini dilatarbelakangi oleh kurangnya pemahaman siswa terhadap materi organ pencernaan manusia tetapi ketersediaan dan penggunaan media pembelajaran masih terbatas. Penelitian ini bertujuan untuk (1) mendeskripsikan prosedur pengembangan media pembelajaran organ pencernaan manusia berbasis metode Montessori; (2) mengetahui kualitas media pembelajaran organ pencernaan manusia berbasis metode Montessori.

Jenis penelitian ini adalah penelitian dan pengembangan (R&D). Subjek penelitian ini adalah 10 siswa kelas V 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 menggunakan analisis data kuantitatif dan kualitatif.

Hasil penelitian menunjukkan bahwa (1) prosedur penelitian dan pengembangan media pembelajaran organ pencernaan manusia berbasis metode Montessori untuk siswa kelas V SD dimodifikasi ke dalam lima tahap, yaitu potensi dan masalah, perencanaan, pengembangan bentuk awal produk, validasi produk, dan uji coba lapangan terbatas; (2) kualitas media pembelajaran organ pencernaan manusia berbasis metode Montessori untuk siswa kelas V adalah sangat baik dengan perolehan rerata skor validasi produk sebesar 3,92. Nilai yang diperoleh siswa pada uji coba lapangan terbatas menunjukkan nilai *posttest* lebih tinggi daripada nilai *pretest* dengan selisih rerata skor sebesar 29,5. Dengan demikian, dapat disimpulkan bahwa media pembelajaran organ pencernaan manusia memiliki kualitas sangat baik dan dapat membantu siswa dalam memahami materi organ pencernaan manusia.

Kata kunci: penelitian dan pengembangan, media pembelajaran, IPA, organ pencernaan manusia, metode Montessori.

ABSTRACT

DEVELOPMENT OF SCIENCE LEARNING MEDIA OF ELEMENTARY SCHOOL ON HUMAN DIGESTIVE ORGAN MATERIAL BASED ON MONTESSORI METHOD

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The background of the research were the lack of students' understanding toward human digestive organ material meanwhile the availability and usage of the learning media are still limited. This research aims to (1) describe the procedure of the learning media development on human digestive organ based on Montessori method; (2) find out the quality of the learning media on human digestive organ material based on Montessori method.

The type of this research is the research and development (R&D). The subjects of the research are the ten students from the fifth grade of SD Kanisius Jetisdepok on 2016/2017. The objects of this research are the science learning media based on Montessori method. The instruments used are the observation guide, the interview guide, the questionnaire, and the questions set. The technique of data analysis uses the quantitative and qualitative techniques.

The result of the research showed that (1) the procedure of the research and development for the learning media on human digestive organ based on Montessori method for the fifth graders were modified into five steps; namely the potential and problem, the planning, the development of the product's initial shape, the product validation, and the limited field test-drive; (2) the quality of the learning media for human digestive organ material was excellent seen from the average score of the product validation which is 3,92. The score gained by students on the limited field test-drive showed that the posttest score was higher than the pretest score seen from the score average difference which is 29,5. Therefore, it can be concluded that the learning media for human digestive organ has an excellent quality and can help students understanding the materials on human digestive organ.

Key words: *the research and development, the learning media, science, human digestive organ, Montessori method.*