

ABSTRAK

PENGEMBANGAN MEDIA PEMBELAJARAN IPA SD MATERI BAGIAN-BAGIAN TUBUH KATAK BERBASIS METODE MONTESSORI

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Latar belakang penelitian adalah belum adanya media pembelajaran yang konkret dalam proses pembelajaran pada materi bagian-bagian tubuh katak dan kegunaannya. Tujuan dari penelitian ini adalah (1) mengembangkan media pembelajaran bagian-bagian tubuh katak dan kegunaannya berbasis metode Montessori, (2) mengetahui kualitas media pembelajaran bagian-bagian tubuh katak dan kegunaannya berbasis metode Montessori.

Metode penelitian yang digunakan adalah penelitian dan pengembangan (R&D). Model pengembangan yang digunakan adalah model yang dipaparkan oleh Sugiyono (2015) dan Borg dan Gall (2010) yang kemudian dimodifikasi menjadi lima langkah. Subjek penelitian ini adalah 10 orang siswa kelas II di SD Kanisius Eksperimental Mangunan tahun ajaran 2016/2017. Objek dari penelitian ini adalah media pembelajaran berbasis metode Montessori. Instrumen yang digunakan dalam penelitian ini adalah pedoman observasi, pedoman wawancara, kuesioner dan soal tes. Teknik analisis yang digunakan kuantitatif dan kualitatif.

Hasil dari penelitian ini adalah (1) lima langkah pengembangan yaitu potensi dan masalah, penyusunan rencana, pengembangan desain, validasi produk, dan uji coba lapangan terbatas. Media pembelajaran dikembangkan berdasarkan empat ciri khusus media pembelajaran berbasis metode Montessori: menarik, bergradasi, *auto-education*, dan *auto-correction*. Peneliti juga menambahkan ciri kontekstual dalam pengembangan. (2) Hasil validasi media pembelajaran oleh ahli, menunjukkan kualitas media pembelajaran sangat baik, dengan rerata skor sebesar 3,86. Uji coba lapangan terbatas menunjukkan bahwa nilai *posttest* lebih tinggi dari *pretest*, dengan selisih rerata nilai sebesar 35. Dengan demikian, dapat disimpulkan bahwa media pembelajaran bagian-bagian tubuh katak berbasis metode Montessori yang telah dikembangkan, memiliki kualitas sangat baik dan membantu siswa dalam memahami materi bagian-bagian luar dan bagian-bagian dalam tubuh katak beserta kegunaannya.

Kata kunci: media pembelajaran, metode Montessori, bagian-bagian tubuh hewan, IPA.

ABSTRACT

DEVELOPMENT OF ELEMENTARY SCHOOL'S SCIENCE LEARNING MEDIA FOR FROG'S BODY PARTS BASED ON MONTESSORI METHOD

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The background of this research was there is no a concrete media in the learning process of frog's body parts and their functions yet. The aims of this research were (1) to developed the learning media of frog's body parts and their functions based on the Montessori method. (2) to known the quality of the learning media of frog's body parts and their functions based on the Montessori method.

The method that used in this research was research and development method (R&D). The type of this research was the development type that presented by Sugiyono (2015), and Borg and Gall (2010) which is modified into five steps. The subjects of this research were ten students of 2nd grade in the Academic Year 2016/2017 in Kanisius Experimental Elementary School Mangunan. The object of this research was learning media of animal's parts of body based on Montessori method. The instruments that used in this research were the observation guide, the interview guide, the questionnaire, and the question set. The data analysis techniques in this research were quatitative and qualitative technique.

The results of this research was (1) the five steps of development were potential problems, planning, design development, product validation, and limited field trial. That learning media was developed based on four characteristics of Montessori learning media: attractive, have gradation, auto-education, and auto-correction. The writer also added contextual in the development. (2) The results of expert's validation on the learning media showed that the quality of the learning media was great, with the average score of 3.86. Limited field trials indicate that posttest values was higher than pretest score, with the difference in the average value of 35. Thus, it could be concluded that the frog's body parts learning media based on Montessori method that has been developed, has an excellent quality and it helps the students to understand the inner and outer parts of frog's body and their functions.

Keywords: learning media, Montessori method, animal's body parts, science.