

ABSTRAK**PENGEMBANGAN MEDIA PEMBELAJARAN IPA SD MATERI SIKLUS AIR BERBASIS METODE MONTESSORI**

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Penelitian ini dilatar belakangi karena kurangnya ketersediaan media pembelajaran dan kurang optimalnya penggunaan media pembelajaran dalam proses pembelajaran pada materi siklus air. Tujuan dari penelitian ini adalah (1) mendeskripsikan prosedur pengembangan media pembelajaran siklus air berbasis metode Montessori. (2) Mendeskripsikan kualitas media pembelajaran siklus air berbasis metode Montessori

Jenis penelitian ini adalah penelitian dan pengembangan (R&D). Model yang digunakan dalam pengembangan adalah Borg & Gall dan Sugiyono. Subjek pada penelitian ini adalah sepuluh siswa SD Pangudi Luhur 4 Yogyakarta 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 data yang digunakan adalah kuantitatif dan kualitatif.

Hasil penelitian ini menunjukkan bahwa (1) prosedur penelitian dan pengembangan media pembelajaran siklus air berbasis metode Montessori untuk siswa kelas V dimodifikasi menjadi lima tahap yaitu (1) potensi dan masalah, (2) perencanaan. (3) pengembangan bentuk awal produk, (4) validasi produk dan (5) uji coba lapangan terbatas: (2) menunjukkan bahwa kualitas media pembelajaran siklus air berbasis metode Montessori yaitu sangat baik. Perolehan skor rerata validasi produk oleh para ahli sebesar 3,91. Nilai perolehan *posttest* oleh siswa juga lebih tinggi dibandingkan dengan nilai *pretest* dengan selisih rerata skor sebanyak 42,4. Dengan demikian, dapat disimpulkan bahwa media pembelajaran siklus air berkualitas sangat baik dan dapat membantu siswa dalam memahami materi siklus air.

Kata kunci: penelitian dan pengembangan, media pembelajaran, metode Montessori, media, IPA, siklus air, metode Montessori.

ABSTRACT***DEVELOPMENT OF PRIMARY SCHOOL'S SCIENCE LEARNING MEDIA ON WATER CYCLE MATERIAL BASED ON MONTESSORI METHOD****Agnes Rahmawati**Universitas Sanata Dharma*

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The background of this research was the lack of availability of learning media and the use of learning media which was not optimal in the learning process on water cycle material. The aims of this research were (1) to describe the development procedure of water cycle learning media based on Montessori Method. (2) to know the quality of water cycle learning media based on Montessori Method.

The method used in this research was research and development (R&D). The model use based from Borg & Gall and Sugiyono. The subject of the research are the ten students from the fifth grade of SD Pangudi Luhur 4 Yogyakarta on 2016/2017. The object of this research was learning media based on Montessori Method. Instruments that used in this research were observation guidelines, interview guidelines, questionnaire, and tes question. Data analysis technique that used were quantitative and qualitative.

The result of the research showed that (1) research and development procedure of water cycle learning media based on Montessori Method for 5th grade students modified into five steps which were (1) potential and problems, (2) planning, (3) development of product's early form, (4) product validation and (5) limited field trial; (2) the quality of water cycle learning media based on Montessori Method was very good. The average score of product validation by the experts was 3,91. The score of students' posttest were higher than the pretest and with difference score of 42,4. Thus, can be concluded that the water cycle learning media had a very good quality and could help students to understand water cycle material.

Keywords: *research and development research, learning media, Montessori Method, media, science, water cycle.*