

ABSTRAK

Rahayu, Mido. (2014). *Pengembangan alat peraga matematika untuk pembagian bilangan dua angka berbasis metode Montessori*. Skripsi. Yogyakarta: Program Studi Pendidikan Guru Sekolah Dasar, Universitas Sanata Dharma.

Kata kunci: Metode penelitian pengembangan, metode Montessori, alat peraga Montessori, pembagian, dan matematika.

Metode Montessori adalah salah satu metode yang dapat digunakan dalam mengajar siswa di Sekolah Dasar. Metode ini dapat diterapkan dengan menggunakan alat peraga saat mengajar di kelas. Alat peraga ini dapat membantu siswa untuk mempelajari materi yang sifatnya abstrak menuju konkret. Tujuan penelitian ini adalah mengembangkan alat peraga matematika untuk pembagian bilangan dua angka berbasis metode Montessori.

Penelitian ini menggunakan metode pengembangan (R & D). Prosedur penelitian dan pengembangan alat peraga berbasis metode Montessori melalui lima tahap, yaitu (1) kajian Standar Kompetensi dan Kompetensi Dasar, (2) analisis kebutuhan, (3) produksi alat peraga, (4) pembuatan instrumen penelitian, dan (5) validasi alat peraga, sehingga dihasilkan prototipe alat peraga matematika untuk pembagian bilangan dua angka berbasis metode Montessori di kelas II Sekolah Dasar.

Hasil penelitian menunjukkan bahwa (1) alat peraga Montessori yang dikembangkan memiliki lima ciri, yaitu menarik, bergradasi, *auto-correction*, *auto-education*, dan kontekstual; (2) alat peraga papan pembagian bilangan dua angka memiliki kualitas “sangat baik” dengan skor rerata validasi produk oleh pakar pembelajaran matematika, pakar pembelajaran Montessori, guru kelas II, dan siswa kelas II sebesar “3,74”; dan (3) alat peraga yang dikembangkan memiliki dampak hasil belajar siswa dengan kenaikan 78.06% dan siswa memiliki minat belajar menggunakan alat peraga. Selain itu, alat peraga yang dikembangkan dapat digunakan untuk kelas II Sekolah Dasar dan dapat diproduksi secara massal.

ABSTRACT

Rahayu, Mido. (2014). *Developing a set of Mathematics teaching aids for division two rates number based on Montessori method*. A thesis. Yogyakarta: Elementary Teacher Education Study Program, Sanata Dharma University.

Keywords: *research and development method, Montessori method, Montessori aids, division. and mathematics.*

Montessari Method is one of methods that could be used to teach Elementary School. The method could be applicated using materials when teaching in the class. This teaching aids could also help the students in learning the abstract subjects into the concrete ones. This study was conducted to developing a set of Mathematics teaching aids for division two rates number based on Montessori method.

This research used the research and development method (R & D). The procedure of research and development of materials based on Montessori method was performed in five stages: (1) review of standard of competencies and basic competencies; (2) analysis of needs; (3) materials production; (4) how to make research instruments; and (5) validation of demonstrating devices in order to generate the prototypes of mathematics teaching aids at Primary School to division two rates number based on Montessori method used for of grade II at Primary School.

Result of research showed that: (1) Montessori's teaching aids had five characteristics: interesting, gradations, auto-correction, auto-education, and contextual; (2) teaching aids for division two rates had "good quality" with average score of validating product by the professionals of learning mathematics, learning of Montessori, teachers of grade II, and students of grade II of "3,74"; (3) the developped demonstrating devices had the study results of the students that raised to 78.06% and the students had learning intention. Therefore, the developing a set of Mathematics teaching aids for division two rates number based on Montessori to were already proper to be used in learning mathematics in grade and ready to be produced in bulk.