

ABSTRAK

**TINGKAT KEPUASAN SISWA DAN GURU
TERHADAP PENGGUNAAN ALAT PERAGA MATEMATIKA
BERBASIS METODE MONTESSORI**

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Penelitian ini dilatarbelakangi oleh kurang efektifnya penggunaan alat peraga dalam pembelajaran matematika. Penelitian ini bertujuan untuk mengetahui tingkat kepuasan siswa dan guru terhadap penggunaan alat peraga matematika berbasis metode Montessori, khususnya alat peraga Bola Penjumlahan. Jenis penelitian ini adalah kuantitatif deskriptif dengan metode sensus. Subjek penelitian sebanyak 54 siswa dan 2 guru kelas I SD Karitas Yogyakarta. Teknik pengumpulan data menggunakan kuesioner kinerja dan kepentingan. Data penelitian dianalisis menggunakan Penilaian Acuan Norma (PAN) tipe II dan *Importance Performance Analysis* (IPA).

Hasil penelitian menunjukkan bahwa tingkat kepuasan siswa dan guru terhadap penggunaan alat peraga matematika berbasis metode Montessori adalah cukup. Aspek alat peraga yang perlu dipertahankan prestasinya menurut siswa yaitu alat peraga membantu mengerjakan soal, memiliki bentuk menarik, warna menarik, bermacam warna, bahan yang diketahui, pernah dilihat, mudah dibawa, tidak mudah rusak, memiliki permukaan halus, dan dilem. Aspek alat peraga yang perlu dipertahankan prestasinya menurut guru yaitu alat peraga memudahkan memahami konsep matematika, memudahkan mengerjakan soal, digunakan untuk memahami konsep materi, menunjukkan kesalahan jawaban, membantu memperbaiki kesalahan, membantu menemukan kesalahan yang dibuat, digunakan berulang kali, mudah dibersihkan, direkatkan dengan kuat, dan dipaku dengan kuat.

Kata kunci: tingkat kepuasan, alat peraga matematika, metode Montessori, PAN tipe II, IPA.

ABSTRACT

**THE LEVEL OF STUDENTS AND TEACHERS SATISFACTION
TOWARD THE USE OF MATHEMATICS TEACHING AID
BASED ON MONTESSORI METHOD**

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This research was triggered by the ineffectiveness of the use of teaching aids in mathematic. This study was intended to find out student and teacher's satisfaction level toward the use of mathematics teaching aid based on Montessori methods, especially Bola Penjumlahan. This study was a descriptive and quantitative research census method. The subjects were 54 students and 2 teachers in grade 4 of Karitas Elementary School in Yogyakarta. The data collection method was questionnaires which was used to assess the importance and the performance teaching aid. The data were analyzed using criterion reference method (PAN) II and Importance Performance Analysis (IPA).

The result of this research showed that students and teachers the satisfaction with teaching aid based on Montessori method were fairly satisfy. According to the students, some attributes of teaching aid needed to be maintained were helping to solve the problems, having attractive form, having interesting color, having various colors, being making by known material, being seen before, being mobile form, having durability, having smooth surface, and strongly glued. According to the teachers, attributes needed to be retained were the ability to understand mathematical concepts to questions, to understand the material, to show the wrong answers, to revise the faults, to find the faults, to be used repeatedly, easy to be cleaned, and strongly glued, as well as nailed forcefully.

Keywords: satisfaction level, mathematics teaching aid, Montessori method, criterion references method II, Importance Performance Analysis.