

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

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Penelitian ini dilatarbelakangi hasil penelitian PISA yang menunjukkan rendahnya kemampuan matematika siswa Indonesia. Faktor penyebab rendahnya kemampuan matematika siswa Indonesia berkaitan dengan pengelolaan pendidikan yaitu minimnya penggunaan alat peraga pembelajaran. Alat peraga matematika berbasis metode Montessori memiliki lima karakteristik yaitu *auto-education*, menarik, bergradasi, *auto-correction*, *life*, kontekstual, dan *workmanship*. Alat peraga yang berkualitas menciptakan kepuasan pengguna. Penelitian ini bertujuan untuk mengetahui tingkat kepuasan siswa dan guru terhadap penggunaan alat peraga matematika berbasis metode Montessori. Jenis penelitian ini adalah penelitian deskriptif kuantitatif dengan metode sensus. Subyek penelitian terdiri dari 36 siswa dan 1 guru kelas IV SD Karitas Yogyakarta. Teknik pengumpulan data menggunakan kuesioner yang menilai kinerja dan kepentingan alat peraga. Data dianalisis dengan teknik analisis data PAP tipe I, dan *Importance and Performance Analysis* (IPA).

Hasil penelitian menunjukkan tingkat kepuasan siswa terhadap alat peraga matematika berbasis metode Montessori adalah cukup. Hasil penelitian menunjukkan tingkat kepuasan guru terhadap alat peraga matematika berbasis metode Montessori adalah cukup. Aspek alat peraga yang perlu dipertahankan prestasinya menurut siswa yaitu alat peraga mudah digunakan, memudahkan mengerjakan soal, bisa digunakan siswa kelas 1 sampai kelas 6, membantu memperbaiki kesalahan, menemukan kesalahan yang dibuat siswa, sesuai dengan materi pelajaran, terbuat dari bahan yang kuat, dapat dipakai berkali-kali, tetap kuat walau jarang digunakan, dan dicat rapi. Aspek alat peraga yang perlu dipertahankan prestasinya menurut guru yaitu alat peraga membantu siswa mengerjakan soal tanpa bantuan orang lain, memahami konsep matematika kelas 1 sampai kelas 6, memperbaiki kesalahan, pernah dilihat, terbuat dari bahan yang kuat, tidak mudah rusak, dan mudah diperbaiki.

Kata kunci : tingkat kepuasan, alat peraga matematika, metode Montessori, PAP tipe I, IPA

PLAGIAT MERUPAKAN TINDAKAN TIDAK TERPUJI

ABSTRACT

THE LEVEL OF STUDENT AND TEACHER'S SATISFACTION TOWARD THE USE OF MONTESSORI BASED MATHEMATIC TEACHING AID

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This study conducted by PISA indicated that Indonesia students mathematic competence was low. One of the reasons was related to educational management which is lacking of teaching aids in class. Mathematics teaching aid based on Montessori was a developed teaching aid which having five unique characteristics namely auto-education, interesting, grading, auto-correction, life, contextual and workmanship. The quality of teaching aid affected students and teacher's satisfaction as users. This study was intended to find out students and teacher satisfaction toward the use of mathematics teaching aid based on Montessori method. The used teaching aid is an integers board namely "Papan Dakon Bilangan Bulat". This study was a descriptive and quantitative research using census method. The subjects of this study are 36 students and 1 teacher in grade 4 of "Karitas" Elementary School in Yogyakarta. Data collection mechanism is using questionnaires which was used to assess the work and the importance of the teaching aid. Data were analyzed using criterion reference "Penilaian Acuan Patokan (PAP) I" and Importance and Performance Analysis (IPA).

The result of this study showed that students and teacher toward the use of mathematics teaching aid based on Montessori method were fairly satisfy. According to the students, some aspect of teaching aid needed to be maintained were easy to used, easy to answer the questions, easy to use by students of grade 1 to 6, assist to correct mistakes, find mistakes made by students, appropriate to the objectives of studies, made of solid substances, able to used repeatedly, stable even scarcely used, and neatly painted. According tho the teacher, some aspect of teaching aid to be maintained were the ability of teaching aid to answer questions individually, understand the concept of mathematics from grade 1 to 6, correct mistakes, seen previously, made of solid substances, not easy being damaged, and easy to be repaired.

Key words : satisfaction level, mathematics teaching aid, Montessori method, criterion reference "Penilaian Acuan Patokan (PAP) I", IPA