

**ABSTRAK**

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

Tarsisius Ferry Koko Gustomo

Universitas Sanata Dharma

2014

Penelitian ini dilatarbelakangi oleh masalah manajemen pendidikan di Indonesia mengenai sarana dan prasarana berupa alat peraga. Alat peraga Montessori merupakan alat peraga yang dapat digunakan dalam proses pembelajaran. Alat peraga Montessori yang berkualitas dapat menimbulkan kepuasan siswa dan guru. Penelitian ini bertujuan untuk mengetahui tingkat kepuasan siswa dan guru terhadap penggunaan alat peraga matematika berbasis metode Montessori. Jenis penelitian ini adalah kuantitatif deskriptif dengan metode sensus. Subjek penelitian sebanyak 61 siswa dan 2 guru kelas I SD Kanisius Sengkan Yogyakarta tahun pelajaran 2013/2014. Teknik pengumpulan data menggunakan kuesioner kinerja dan kuesioner kepentingan. Analisis data menggunakan Penilaian Acuan Norma (PAN) tipe II dan *Importance and Performance Analysis* (IPA).

Hasil analisis data PAN tipe II menunjukkan bahwa: 1) tingkat kepuasan siswa adalah cukup (rata-rata total skor 127,03); 2) tingkat kepuasan guru adalah cukup (rata-rata total skor 175,5). Hasil analisis data IPA menunjukkan bahwa: 1) atribut-atribut yang menimbulkan kepuasan siswa adalah memudahkan mengerti matematika, warna menarik, bermacam warna, ukuran kecil ke besar dan panjang ke pendek, menemukan jawaban benar, memiliki kunci jawaban, dipaku, tidak melukai, mengerjakan soal tanpa bantuan, bentuk menarik, digunakan berulang kali dan tidak mudah rusak; 2) atribut-atribut yang menimbulkan kepuasan guru adalah memudahkan dalam memahami konsep matematika, bentuk menarik, ukuran proporsional, bermacam warna, menemukan jawaban benar, memiliki kunci jawaban, sesuai materi, bahan kuat, digunakan berulang kali, kuat ketika jarang digunakan, dipaku, tidak melukai, memudahkan mengerjakan untuk soal, warna menarik, permukaan halus, direkatkan dan dicat. Alat peraga matematika berbasis metode Montessori yang dikembangkan sudah layak untuk digunakan sebagai sumber belajar.

Kata kunci: tingkat kepuasan, alat peraga matematika, metode Montessori, Penilaian Acuan Norma (PAN) tipe II dan *Importance and Performance Analysis* (IPA).

**ABSTRACT**

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

Tarsisius Ferry Koko Gustomo  
Sanata Dharma University  
2014

The research was based on the management problem of education in Indonesia regarding the facilities and infrastructure especially in the use of teaching aid. Montessori teaching aid was that can be used in the learning process. Montessori teaching aid which has good quality are able to lead the satisfaction of students and teachers. This research aims to know the level of satisfaction of students and teachers about the use of mathematics teaching aid based on Montessori methods. Type of this research was quantitative descriptive method of census. The subject of research as much as 61 students and 2 teachers of I grade of “Sengkan Kanisius” Elementary School, Yogyakarta for academic year 2013/2014. Engineering data collection using the questionnaire performance and questionnaire interest. For the data analysis using criterion reference “Penilaian Acuan Norma (PAN) type II” and Importance and Performance Analysis (IPA).

The results of data analysis of PAN type II: 1) showed that levels of student satisfaction is enough (average total score 127,03); 2) level of satisfaction of teachers is enough (average total score 175,5). Data analysis results showed that the IPA: 1) attributes raises student satisfaction is comprehend math, attractive colors, variety of colors, sizes small to large and long to short, find the answers right, have answer keys, nailed, not hurting, working on a problem without help, interesting shapes, used repeatedly and are not easily damaged; 2) attributes-the attributes that give rise to the satisfaction of the teachers is the ease in understanding math concepts, proportional size, shape, various colors, find the answers right, have answer keys, according to the material, the material is strong, powerful, used repeatedly when it is rarely used, nailed, not injure, make it easy to work the problem, attractive colors, smooth surfaces, glued together and painted. Props for mathematics-based methods of Montessori developed already deserves to be used as a learning resource.

**Keywords:** satisfaction level, mathematics teaching aid, Montessori method, criterion reference “Penilaian Acuan Norma (PAN) type II” and Importance and Performance Analysis (IPA).