

## ABSTRAK

Sukawati, Farina Dini. (2013). Implementasi Perangkat Pembelajaran Bangun Ruang Menggunakan Pendekatan PMRI di Kelas IV SDN Caturtunggal 3. Skripsi. Yogyakarta: Program Studi Pendidikan Guru Sekolah Dasar Universitas Sanata Dharma.

Berdasarkan hasil penelitian di SDN Caturtunggal 3 diketahui bahwa proses pembelajaran siswa kelas IV masih konvensional. Selain itu proses pembelajaran tidak menggunakan media pembelajaran yang mampu membantu siswa dalam proses pembelajaran. Dari latar belakang tersebut peneliti mencoba meneliti implementasi penggunaan pendekatan PMRI pada mata pelajaran matematika khususnya materi bangun ruang.

Jenis penelitian ini menggunakan penelitian deskriptif dengan data yang dikumpulkan adalah data kualitatif dan kuantitatif. Data kualitatif dikumpulkan peneliti dengan dokumentasi dan wawancara, sedangkan data kuantitatif dikumpulkan melalui validasi terhadap perangkat pembelajaran yang telah direvisi, uji keterbacaan, lembar evaluasi serta respon guru dan siswa. Adapun langkah-langkah penelitian ini dilakukan dengan lima tahapan sebelum implementasi yaitu mempelajari penelitian tahun lalu, revisi perangkat pembelajaran, validasi, uji keterbacaan, dan implementasi. Implementasi ini dilakukan pada siswa kelas IV SDN Caturtunggal 3 dengan 29 siswa sebagai sampel. Implementasi ini dilaksanakan sebanyak enam kali pertemuan.

Hasil implementasi perangkat pembelajaran menggunakan pendekatan PMRI mampu membantu guru dan siswa dalam proses pembelajaran matematika. Dalam penelitian ini kelima karakteristik PMRI yang dibagi ke dalam indikator-indikator. Karakteristik dari penggunaan konteks, penggunaan kontribusi siswa, penggunaan interaktivitas, dan penggunaan keterkaitan muncul sangat maksimal dalam proses pembelajaran. Sedangkan karakteristik penggunaan media muncul secara maksimal karena beberapa sub-indikator belum muncul dalam proses pembelajaran karena beberapa faktor.

Kata kunci: bangun ruang, implementasi, matematika, pendekatan PMRI, perangkat pembelajaran

## ABSTRACT

Sukawati, Farina Dini. (2013). The Implementation Of The Geometry Learning Instrument Using PMRI Approach Of The Fourth Grade In SDN Caturtunggal 3. Thesis. Yogyakarta: Primary School Teacher Education Program Sanata Dharma University.

Based on the research finding at SDN Caturtunggal 3 was known that the teaching and learning process of the fourth grade students of SDN Caturtunggal 3 were still conventional. Moreover, the teaching and learning process was not use the learning media which could help the students in the learning process. Based on the background of the study, the researcher tried to conduct research about the implementation of using PMRI approach in Mathemetic subject in Geometry.

The type of study in this research is descriptive research which use qualitative and quantitative data. The qualitative data were collected by the researcher using obeservation, documentation, and interview in teaching and learning activity, whereas the quantitative data were collected by validity through learning instruments which had been revised, readability test, and evaluation sheet. The reasearh methods were done by five steps before implementation such as, study of the related research, revise learning instruments, validity, readability test, students and teacher responses and implementation. The sample of this implementation were 29 students of the fourth grade students of SDN Caturtunggal 3. This implementation were done for six meetings.

The implementation result of teaching instrument using PMRI approach was able to help the teacher and the students in Mathematics learning process. In this research, five of the PMRI characteristics divided into some indicators. The characteristic of context applying, student contribution applying, interactivity applying, and connection applying appeared very maximal in the learning process. Whereas, media applying characteristic appeared maximally because of some sub-indicator which had not appeared in the learning process because of some factors.

Keywords: geometry; implementation; mathemetic; PMRI approach; learning instrument