ABSTRAK

Arfiliana. (2014). *Pengembangan Bahan Ajar Bentuk Komik dan Lembar Kerja Siswa Dengan Pendekatan Matematika Realistik Untuk Meningkatkan Hasil Belajar Siswa Kelas III SD Negeri 060843 Kecamatan Medan Barat.* Tesis, Medan: Program Studi Pendidikan Dasar, Program Pascasarjana, Universitas Negeri Medan.

Penelitian ini bertujuan untuk mengembangkan bahan ajar bentuk komik dan Lembar Kerja Siswa (LKS) materi bangun datar kelas III dengan Pendekatan Matematika Realistik (PMR). Penelitian ini dilakukan karena minat membaca siswa di Indonesia masih rendah, termasuk pada siswa kelas III SD Negeri 060843 kecamatan Medan Barat. Selain itu, buku pelajaran matematika yang beredar di sekolah masih menggunakan bahasa formal dan deskriptif sehingga belum memberikan pemahaman bagi siswa. Hal ini berdampak pada minat dan motivasi belajar matematika siswa yang kurang dan hasil belajar materi geometri bangun datar siswa yang rendah.

Subjek penelitian ini adalah siswa kelas III SD Negeri 060843 kecamatan Medan Barat. Penelitian dilakukan pada bulan Juni 2013 sampai dengan bulan Maret 2014. Penelitian ini menggunakan pendekatan kuantitatif. Jenis penelitian ini adalah penelitian pengembangan (*Research and Development/ R&D),* model Van den Akker (1999). Langkah-langkah yang dilaksanakan adalah (1) Analisis awal, (2) Evaluasi ahli dan guru, (3) Uji coba skala kecil, (4) Data empiris, (5) Refleksi dan Revisi, (6) Model penelusuran. Teknik pengumpulan data yang digunakan dalam penelitian ini adalah (1) Analisis data validitas bahan ajar komik dan Lembar Kerja Siswa, (2) Analisis data tes hasil belajar, (3) Analisis peningkatan tes hasil belajar, (4) Analisis efektivitas penerapan bahan ajar komik dan Lembar Kerja Siswa.

Hasil penelitian ini menunjukkan bahwa komik dan Lembar Kerja Siswa berdasarkan hasil validasi yang dilakukan oleh 2 orang pakar dan 3 orang guru matematika adalah valid dan tergolong sangat baik. Demikian pula dengan tes hasil belajar siswa yang menggunakan validitas *product moment.* Terjadi peningkatan hasil belajar siswa dengan sangat baik. Rerata perolehan skor pada tes awal uji coba I sebelum menggunakan bahan ajar yang dikembangkan adalah 64,25, kemudian pada tes akhir setelah menggunakan bahan ajar yang dikembangkan rerata skor menjadi 87,88. Pada uji coba II, rerata skor tes awal adalah 64,13, sedangkan pada tes akhir diperoleh rerata skor 88,38. Berdasarkan pengamatan aktivitas guru, siswa, kesan guru, respon siswa, dan hasil belajar siswa yang meliputi ketuntasan tujuan dan klasikal, maka penerapan komik dan LKS dinyatakan efektif dan sangat baik.

Kata kunci : Komik, Lembar Kerja Siswa, Matematika Realistik

ABSTRACT

Arfiliana (2014). *The development of teaching materials of comics form and student worksheets with realistic mathematics approach to improve learning outcomes of third grade students on elementary school of public 060843 at west medan district.* Thesis, Medan: study program Primary Education, Postgraduate work at State University of Medan.

The objective of this study is to developing teaching materials of comic form and student worksheets of flat-shape structure material for third grade students of elementary school. This study was conducted due to the lack of interest for reading textbooks on students of Indonesia, including the third grade students of elementary school of public 060843 at west Medan district. Besides that, mathematic textbooks in school nowadays still using a formal and descriptive language so that have not giving fully understanding for students. This matter has an impact on the less interst and motivation to learn mathematics on the students and the learning outcomes on the flat-shape structure geometry material also low.

The subjects of this study were the third grade students of elementary school of public 060843 at west medan district. The study was conducted in June 2013 until March 2014. This study was using the quantitative approach. The type of this study was research and development (R&D), Van de Akker Model. The steps that had been done were (1) preliminary analysis (2) Evaluation by the experts and teachers (3) small scale trials (4) empirical data (5) reflection and revision (6) searching model . The data collecting techniques that used in this study were (1) validity of data analysis on the teaching materials of comics and student worksheets (2) data analysis on the learning outcomes test (3) analysis on the improvement of learning outcomes test (4) Analysis on the effectivity of implementation of comics learning materials and student worksheets.

The result of this study showing that comics and student worksheets based on the result of validation who conducted by two experts and three mathematic teachers was valid and excellent. And also with the learning outcomes tests that using product moment validity. The improvement of learning outcomes of students occurred very well. The mean score result on first initial trial test before using the developed teaching materials was 64,25, and then on the final test after using the developed teaching material the mean score was 87,88. On the second trial test, the mean score on the initial test was 64,13, while on the final test the mean score was 88,38. Based on the observation of teacher's activities, students, teacher's impressions , student's responses, and the student's teaching outcomes that including completeness of objective and classical, then the implementation of comics and student worksheets could be declared effective and excellent.

Keywords : comics, student worksheets, realistic mathematics.