

ABSTRAK

Erningsih, 2018. Pengembangan Media Belajar Bangun Datar Menggunakan *Macromedia Flash* DI Kelas IV SDN 104258 Pematang Biara. Tesis. Program Pascasarjana Universitas Negeri Medan.

Penelitian ini dilatarbelakangi oleh (1) pentingnya media dalam penyampaian materi pembelajaran agar lebih menarik; (2) belum adanya media pembelajaran pada materi bangun datar dengan mengembangkan aplikasi *Macromedia Flash Professional* dalam bentuk CD (*Compact Disk*); (3) Hasil belajar siswa masih rendah dan belum mencapai KKM, (4) SDN 104258 Pematang Biara memiliki fasilitas pembelajaran yang lengkap tetapi tidak dimanfaatkan; (5) Siswa sering menganggap sulit pelajaran matematika; (6) sulitnya materi bangun datar; (7) Media yang digunakan kurang bervariasi sehingga menimbulkan kebosanan pada siswa. Tujuan yang hendaknya dicapai dalam upaya pengembangan media pembelajaran ini adalah untuk menghasilkan bahan ajar matematika yang valid, praktis, dan efektif. Jenis penelitian adalah penelitian pengembangan (*research and development*).

Model pengembangan yang digunakan adalah mengacu kepada *Research and Development* (R&D) dari model Borg and Gall. Data penelitian dari uji validitas diperoleh melalui lembar validasi bahan ajar. Data kepraktisan dikumpul melalui angket respon guru dan siswa. Keefektifan dilihat dari hasil belajar siswa melalui nilai pretes dan postes. Data yang terkumpul dianalisis secara deskriptif.

Hasil penelitian dari uji validitas yang dilakukan menunjukkan bahwa bahan ajar matematika yang dihasilkan telah valid. Hasil dari validitas ahli materi 96,45% (sangat baik), validasi ahli desain 75,44% (baik). Valiasi ahli desain kebahasaan 93,33% (sangat baik). Hasil observasi dan angket menyatakan bahwa perangkat pembelajaran ini praktis. Pada tahap uji efektivitas, nilai rata-rata mengalami peningkatan sebesar 16,62% dapat diartikan bahwa nilai rata-rata hasil belajar Matematika siswa lebih tinggi setelah menggunakan media *Macromedia Flash* (*Postes*) di banding sebelum menggunakan media *Macromedia Flash* (*Prestes*). Berdasarkan hasil tersebut, dapat disimpulkan bahwa media belajar bangun datar dengan menggunakan *macromedia flash* untuk siswa kelas IV SDN 104258 Pematang Biara yang telah dihasilkan dapat dinyatakan valid, praktis, dan efektif.

Kata Kunci: Media pembelajaran, *macromedia flash*

ABSTRACT

Erningsih, 2018. Developing of Flat Building Media in Using Macromedia Flash of the Grade IV SDN 104258 Pematang Biara. Thesis. Postgraduate Program of Medan State University.

This research were motivated by (1) the importance of the media in delivering learning material to make it more interesting; (2) there was no learning media on flat building material by developing Macromedia Flash Professional applications in the form of CD (Compact Disk); (3) Student learning outcomes were still low and had not yet reached the KKM, (4) SDN 104258 Pematang Biara had complete learning facilities but it was not utilized; (5) Students often find it difficult to learn mathematics; (6) difficulty in flat building material; (7) The media used was not varied so that it caused boredom in students. The goal that should been achieved in the effort to develop this learning media was to produce valid, practical and effective mathematics teaching materials. This type of research was research and development.

The development model used was referring to Research and Development (R & D) from the Borg and Gall model. The research data from the validity test was obtained through the validation material for teaching materials. Practical data was collected through the response of teachers and students. Effectiveness could be seen from student learning outcomes through pretest and posttest scores. The collected data were analyzed descriptively.

The results of the research from the validity tests conducted indicate that the mathematics teaching materials produced were valid. The results of the material expert validity were 94.45% (very good), design expert validation 75.44% (good). Language desain expert validation 93.33% (very good). Observation and questionnaires state that this learning device was practical. The validation result by The results of observations and questionnaires stated that this learning tool was practical. At the effectiveness test stage, increase at average value at 16,62% could be interpreted that the average value of students' mathematics learning outcomes was higher after using Macromedia media Flash (Postes) was compared before using Macromedia Flash (Prestes) media. Based on these results, it could be concluded that the learning media was flat building with using macromedia flash for the fourth grade students of SDN 104258 PematangBiara which has been produced can be declared valid, practical, and effective.

Keywords: learning media, macromedia flash