PENGEMBANGAN *DIGITAL FLIPBOOK* BERBASIS RME (*REALISTIC MATHEMATICS EDUCATION*) DALAM MENINGKATKAN PEMAHAMAN KONSEP BANGUN DATAR PADA SISWA KELAS III SD NEGERI 15 PEMECUTAN

Oleh

Ida Ayu Made Gavista Devina, NIM 2111031176

Jurusan Pendidikan Dasar

ABSTRAK

Penelitian ini bertujuan (1) Untuk mendeskripsikan rancang bangun *digital flipbook* berbasis RME (*Realistic Mathematics Education*). (2) Untuk mengetahui hasil kelayakan *digital flipbook* berbasis RME (*Realistic Mathematics Education*). (3) Untuk mengetahui efektivitas *digital flipbook* berbasis RME (*Realistic Mathematics Education*). Penelitian ini merupakan penelitian pengembangan menggunakan model pengembangan ADDIE yang terdiri atas lima tahapan yaitu analisis, perancangan, pengembangan, implementasi, dan evaluasi. Metode pengumpulan data menggunakan metode tes pilihan ganda dan angket. Teknik analisis data menggunakan analisis deskriptif kuantitatif, kualitatif, dan analisis statistik inferensial. Hasil penelitian pengembangan ini berupa (1) hasil validasi isi materi pelajaran pada media *digital flipbook* berbasis RME (*Realistic Mathematics Education*) sebesar 90,91% (sangat baik), validasi desain intruksional sebesar 92,5% (sangat baik), validasi media pembelajaran sebesar 93,2% (sangat baik), uji perorangan memperoleh skor 93,2% dan uji coba kelompok kecil memperoleh skor 94%. (2) efektivitas *digital flipbook* berbasis RME (*Realistic Mathematics Education*) berdasarkan hasil uji-t sample *dependent* diperoleh bahwa nilai t_{hitung} sebesar 16,33. Sedangkan harga t_{tabel} pada taraf signifikansi 5% dengan diketahui $dk = 30$ adalah sebesar 2,056. Hasil tersebut menunjukkan bahwa $t_{hitung} > t_{tabel}$ (16,33 > 2,056), sehingga H_0 ditolak dan H_1 diterima. Dengan demikian dapat disimpulkan bahwa *Digital Flipbook* Berbasis RME (*Realisthic Mathematics Education*) efektif digunakan dalam meningkatkan pemahaman konsep bangun datar pada siswa kelas III SD Negeri 15 Pemecutan.

Kata Kunci : Digital Flipbook, Matematika, Konsep Bangun Datar, RME

DEVELOPMENT OF DIGITAL FLIPBOOK BASED ON RME (REALISTIC MATHEMATICS EDUCATION) IN IMPROVING THE UNDERSTANDING OF PLANE SHAPES CONCEPTS IN GRADE III STUDENTS OF SD NEGERI 15 PEMECUTAN

By

Ida Ayu Made Gavista Devina, NIM 2111031176

Elementary Education Department

ABSTRACT

This study aims to (1) Describe the design of digital flipbook based on RME (Realistic Mathematics Education). (2) To determine the feasibility of digital flipbook based on RME (Realistic Mathematics Education). (3) To determine the effectiveness of digital flipbook based on RME (Realistic Mathematics Education). This study is a development research using the ADDIE development model consisting of five stages, namely analysis, design, development, implementation, and evaluation. The data collection method uses multiple choice test and questionnaire methods. The data analysis technique uses quantitative descriptive analysis, qualitative analysis, and inferential statistical analysis. The results of this development research are in the form of (1) the results of the validation of the content of the learning material on the digital flipbook media based on RME (Realistic Mathematics Education) of 90.91% (very good), validation of instructional design of 92.5% (very good), validation of learning media of 93.2% (very good), individual tests obtained a score of 93.2% and small group trials obtained a score of 94%. (2) the effectiveness of the digital flipbook based on RME (Realistic Mathematics Education) based on the results of the dependent sample t-test obtained that the t-count value was 16.33. While the t-table value at a significance level of 5% with dk = 30 is 2.056. These results indicate that t-count> t-table (16.33> 2.056), so H0 is rejected and H1 is accepted. Thus it can be concluded that the Digital Flipbook Based on RME (Realistic Mathematics Education) is effective in improving the understanding of the concept of flat shapes in grade III students of SD Negeri 15 Pemecutan.

Keywords*: Digital Flipbook, Mathematics, Flat Building Concept, RME*