ABSTRAK

ERFIANI HUMAIRAH (NIM: 8206181002), Pengembangan Buku Ajar Elektronik Berbasis *Flipbook* Untuk Meningkatkan Hasil Belajar Berpikir Tingkat Tinggi Pada Pembelajaran IPA Kelas V Sekolah Dasar Al-Ulum Terpadu Medan. Program Studi Pendidikan Dasar Program Pascasarjana Universitas Negeri Medan. 2022.

Penelitian ini bertujuan untuk mengembangkan buku ajar elektronik berbasis *flipbook* untuk membimbing peserta didik mempelajari materi siklus air pada pembelajaran IPA; buku ajar elektronik berbasis *flipbook* hasil pengembangan telah memenuhi standar BSNP; dan mengetahui peningkatan hasil belajar peserta didik dengan menggunakan buku ajar elektronik berbasis *flipbook*. Jenis penelitian ini menggunakan metode *Development Research* yang menggunakan model pengembangan ADDIE (*Analysis, Design, Develiment, Implementation, and Evaluation*). Penelitian ini melibatkan 25 siswa kelas VA SD Al-ulum Terpadu Medan tahun ajaran 2021-2022 dengan menggunakan teknik analisis data dilakukan dengan observasi langsung, wawancara, angket, dan tes hasil belajar berpikir tingkat tinggi, yang dianalisis menggunakan teknik analisis data statistik deskriptif dan statistik inferensial yaitu uji *t one sampel*. Hasil penelitian menunjukkan bahwa: (1) Berdasarkan analisis kebutuhan terkait analisis buku ajar, dan analisis permasalahan yang digunakan oleh peserta didik diperoleh buku yang digunakan pada proses pembelajaran masih berbentuk buku cetak dan buku ajar masih kurang menarik, kurikulum yang digunakan saat ini yaitu kurikulum 2013, dan hasil belajar siswa masih tergolong rendah dikarenakan masih di bawah nilai KKM; (2) Buku ajar elektronik berbasis *flipbook* hasil pengembangan telah memenuhi standar BSNP. Hasil standarisasi pengembangan buku ajar elektronik berbasis *flipbook* berdasarkan BSNP yang dilakukan oleh validator ahli kelayakan buku ajar diperoleh 90,66% dinyatakan sangat layak. Sedangkan untuk nilai kelayakan media/ desain oleh ahli IT diperoleh nilai 90, 63% dengan kriteria sangat layak; (3) Peningkatan hasil belajar peserta didik setelah menggunakan buku ajar elektronik berbasis *flipbook* telah mencapai kriteria N-Gain sedang dengan perolehan nilai sebesar 0,64, dan hasil belajar yang diperoleh peserta didik dengan rata-rata *posttes* 87,8. Hasil uji *t* diperoleh hasil nilai sig. = 0,000 <0,05 maka H_a diterima, sehingga dapat disimpulkan terdapat peningkatan hasil belajar pada kemampuan bepikir tingkat tinggi siswa kelas VA SD Swasta Al-Ulum Terpadu Medan yang menggunakan buku ajar elektronik berbasis *flipbook*.

Kata Kunci: Buku Ajar Elektronik, *Flipbook*, Pembelajaran IPA, Hasil Belajar.

ABSTRACT

ERFIANI HUMAIRAH (NIM: 8206181002), Development of Flipbook-Based Electronic Textbooks to Improve Higher-Level Thinking Learning Outcomes in Science Class V Elementary School Al-Ulum Terpadu Medan. Basic Education Study Program, Graduate Program, State University of Medan. 2022.

This study aims to develop a flipbook-based electronic textbook to guide students in studying the water cycle in science learning; The developed flipbook-based electronic textbook has met the BSNP standard; and knowing the improvement of student learning outcomes by using flipbook-based electronic textbooks. This type of research uses the Development Research method using the ADDIE development model (Analysis, Design, Development, Implementation, and Evaluation). This study involved 25 grade VA students of SD Al-Ulum Terpadu Medan for the academic year 2021-2022 using data analysis techniques carried out by direct observation, interviews, questionnaires, and tests of higher order thinking learning outcomes, which were analyzed using descriptive statistical data analysis techniques and statistics. inferential that is one sample t test. The results showed that: (1) Based on the needs analysis related to textbook analysis, curriculum analysis, and problem analysis used by students, the books used in the learning process were still in the form of printed books and textbooks were still less attractive, the curriculum used today namely the 2013 curriculum, and student learning outcomes are still relatively low because they are still below the KKM score; (2) The developed flipbook-based electronic textbook has met the BSNP standard. The results of standardization of the development of flipbook-based electronic textbooks based on the BSNP conducted by expert validators of textbook feasibility obtained 90.66% declared very feasible. Meanwhile, the value of media/design feasibility by IT experts obtained a value of 90,63% with very feasible criteria; (3) The increase in student learning outcomes after using flipbook-based electronic textbooks has reached the medium N-Gain criteria with a score of 0.64, and the learning outcomes obtained by students with an average posttest of 87.8. The results of the t test obtained the results of the sig value. = 0.000 <0.05 then Ha is accepted, so it can be concluded that there is an increase in learning outcomes in high-level thinking skills of class VA students at the Al-Ulum Terpadu Private Elementary School Medan who use flipbook-based electronic textbooks.

Keywords: Electronic Textbooks, Flipbooks, Science Learning, Learning Outcomes.