

## ABSTRAK

**RIFA ATUL SUAIDAH LUBIS (8226181017). Pengembangan E-Modul Berbentuk *Flipbook* Berbasis *Discovery Learning* terhadap Kemampuan Berpikir Kritis Siswa pada Pembelajaran IPAS di Kelas V SDN 101764 Bandar Klippa. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, Juli 2024.**

Penelitian ini bertujuan untuk menghasilkan bahan ajar E-Modul berbentuk *flipbook* berbasis *discovery learning* yang layak, praktis dan efektif. Penelitian dilaksanakan di SDN 101764 Bandar Klippa. Subjek penelitian ini adalah kelas V sebanyak 22 orang siswa. Metode penelitian ini adalah penelitian pengembangan dengan menggunakan model pengembangan ADDIE. Instrumen penelitian yang digunakan dalam pengumpulan data yaitu observasi, wawancara, angket validasi dan tes. Hasil penelitian menunjukkan (1) Berdasarkan hasil validasi ahli materi 93,33% kriteria sangat valid, Hasil validasi ahli desain 100% kriteria sangat valid, Hasil validasi ahli bahasa 91,11% kriteria sangat valid. Dari hasil validasi para ahli bahan ajar E-Modul berbentuk *flipbook* layak untuk digunakan. (2) Berdasarkan hasil respon siswa diperoleh uji coba kelompok kecil 90,48% kriteria sangat praktis, Hasil uji coba lapangan 91,56% kriteria sangat praktis. Dari hasil respon siswa terbukti bahwa E-Modul berbentuk *flipbook* praktis untuk digunakan; (3) Berdasarkan hasil uji coba lapangan telah diperoleh bahwa E-Modul berbentuk *flipbook* berbasis *discovery learning* mampu meningkatkan kemampuan berpikir kritis siswa kelas V SDN 101764 Bandar Klippa. Hasil uji hipotesis *independent sample t test* diperoleh hasil uji t (2-tailed) yang diperoleh sebesar 0,000 Mengacu pada dasar pengambilan keputusan berarti  $0,000 < 0,05$  atau  $H_0$  ditolak dan  $H_1$  diterima, hasil nilai t hitung sebesar 5,813. Dengan demikian, disimpulkan terdapat pengaruh e-modul berbentuk *flipbook* terhadap berpikir kritis siswa kelas V SDN 101764 Bandar Klippa. Peningkatan berpikir kritis siswa terlihat pada nilai N-Gain kelas eksperimen dengan skor 0,53 yang dinyatakan berkategori sedang. Artinya E-Modul berbentuk *flipbook* berbasis *discovery learning* dapat efektif digunakan dalam proses pembelajaran IPAS bagaimana kita hidup dan bertumbuh siswa kelas V SDN 101764 Bandar Klippa.

Kata kunci: E-Modul, *flipbook*, *discovery*, berpikir kritis

## ABSTRACT

**RIFA ATUL SUAIDAH LUBIS (8226181017). Development of E-Modules in the Form of Flipbooks Based on Discovery Learning on Students' Critical Thinking Skills in Science for Grade V of SDN 101764 Bandar Klippa. Thesis. Medan: Postgraduate Program, Universitas Negeri Medan, July 2024.**

This study aimed to produce E-Module teaching materials in the form of flipbooks, based on discovery learning that were feasible, practical and effective. The study was conducted at SDN 101764 Bandar Klippa. The subjects of this study were 22 primary students in grade V. The research method was development research using the ADDIE development model. The research instruments used in data collection were observation, interviews, validation questionnaires and tests. The results of the study showed (1) Based on the results of the validation of material experts, 93.33% of the criteria were very valid, the results of the validation of design experts, 100% of the criteria were very valid, the results of the validation of language experts, 91.11% of the criteria were very valid. From the results of the validation of teaching material experts, the E-Module in the form of a flipbook was feasible to use. (2) Based on the results of student responses, it was obtained from small group trials that 90.48% of the criteria were very practical, the results of field trials that 91.56% of the criteria were very practical. From the results of student responses, it was proven that the E-Module in the form of a flipbook was practical to use; (3) Based on the results of the field trial, it has been obtained that the E-Module in the form of a flipbook based on discovery learning was able to improve the critical thinking skills of grade V students of SDN 101764 Bandar Klippa. The results of the independent sample t-test hypothesis test obtained the results of the t-test (2-tailed) obtained at 0.000 referring to the basis for decision making, it means  $0.000 < 0.05$  or  $H_0$  was rejected and  $H_1$  was accepted, the calculated t-value result was 5.813. Thus, it was concluded that there was an influence of the e-module in the form of a flipbook on the critical thinking of grade V students of SDN 101764 Bandar Klippa. The increase in students' critical thinking could be seen in the N-Gain value of the experimental class with a score of 0.53 which was stated as being in the moderate category. This means that the E-Module in the form of a flipbook based on discovery learning could be effectively used in the science learning process of live and grow topic for grade V students of SDN 101764 Bandar Klippa.

Keywords: critical thinking, discovery E-Module, flipbook