

ABSTRAK

Lola Zeramenda Br.Tarigan. Pengembangan Buku Ajar Berbasis Capaian Pembelajaran Mata Kuliah Perkembangan Hewan Pada Jurusan Biologi Universitas Negeri Medan. Tesis. Program Pascasarjana Universitas Negeri Medan (Unimed). Medan.2022.

Penelitian pengembangan ini bertujuan untuk mengetahui: (1) hasil analisis kebutuhan mahasiswa sehubungan dengan pengembangan buku ajar Perkembangan Hewan; (2) kelayakan materi; (3) kelayakan desain pembelajaran; (4) kelayakan desain *layout*; (5) respon dosen pengampu; (6) respon mahasiswa; (7) efektivitas dari buku ajar perkembangan hewan. Desain penelitian ini menggunakan model pengembangan Borg and Gall. Subjek uji coba terdiri dari tim ahli materi, tim ahli desain pembelajaran, ahli layout, dosen pengampu dan mahasiswa Jurusan Biologi. Instrumen penelitian berupa Lembar Penilaian Validator Ahli, Lembar Penilaian Dosen Pengampu dan Angket Penilaian Mahasiswa terhadap Buku Ajar Perkembangan Hewan. Uji efektivitas Buku Ajar dilakukan di Jurusan Biologi Unimed berdasarkan pengetahuan kognitif mahasiswa pengguna. Rata-rata hasil validasi produk oleh ahli materi sebesar 86,68% kategori (sangat baik), ahli desain pembelajaran 92,50% (sangat baik), ahli desain layout sebesar 96,00% (sangat baik), tanggapan dosen pengampu mata kuliah sebesar 84,37% (sangat baik). Berdasarkan uji perorangan rata-rata yang diperoleh 82,08% (sangat baik), uji kelompok kecil diperoleh 89,00% (sangat baik), dan uji lapang terbatas diperoleh 86,43% (sangat baik). Rata-rata hasil uji efektifitas buku dengan menggunakan uji N-Gain diperoleh 69,00% pada kelas eksperimen dengan kategori cukup efektif sedangkan pada kelas kontrol diperoleh 47,90% dalam kategori kurang efektif.

Kata Kunci : Buku Ajar, Model Pengembangan Borg & Gall, Perkembangan Hewan.



ABSTRACT

Lola Zeramenda Br. Tarigan. Development of Textbooks Based on Learning Outcomes of Animal Development Courses at the Department of Biology, State University of Medan. Thesis. Medan State University (Unimed) Postgraduate Program. Medan. 2022.

This development research aims to determine: (1) the results of the analysis of student needs in connection with the development of the Animal Development textbook; (2) material feasibility; (3) the feasibility of the learning design; (4) feasibility of layout design; (5) the response of the supporting lecturer; (6) student responses; (7) effectiveness of animal development textbooks. This research design uses the Borg and Gall development model. The test subjects consisted of a team of material experts, a team of learning design experts, layout experts, lecturers and students of the Department of Biology. The research instruments were in the form of an Expert Validator Assessment Sheet, a Lecturer Assessment Sheet and a Student Assessment Questionnaire on Animal Development Textbooks. The test of the effectiveness of the textbooks was carried out at the Department of Biology, Unimed, based on the cognitive knowledge of the user's students. The average product validation results by material experts are 86.68% (very good), learning design experts 92.50% (very good), layout design experts are 96.00% (very good), feedback from course lecturers of 84.37% (very good). Based on the individual test the average was 82.08% (very good), the small group test was 89.00% (very good), and the limited field test was 86.43% (very good). The average result of the book effectiveness test using the N-Gain test was found to be 69.00% in the experimental class with a moderately effective category, while 47.90% in the control class was obtained in the less effective category.

Keywords: *Textbooks, Borg & Gall Development Model, Animal Development*

