

## ABSTRAK

**Jesica Gultom.** Pengembangan Buku Nonteks karakterisasi Andaliman (*Zanthoxylum acanthopodium* DC) di Sumatera Utara. Program Pascasarjana Universitas Negeri Medan 2019.

Penelitian ini bertujuan untuk mengetahui (1) karakterisasi *Zanthoxylum acanthopodium* DC) di Sumatera Utara (2) kelayakan materi buku nonteks karakterisasi *Zanthoxylum acanthopodium* DC berbasis riset oleh ahli materi (3) kelayakan bahasa buku nonteks karakterisasi *Zanthoxylum acanthopodium* DC berbasis riset oleh ahli bahasa (4) kelayakan desain buku nonteks karakterisasi *Zanthoxylum acanthopodium* DC berbasis literatur oleh ahli desain. (5) kelayakan buku nonteks karakterisasi *Zanthoxylum acanthopodium* DC berbasis riset oleh responden Dosen dan Mahasiswa. (6) efektifitas buku nonteks tentang *Zanthoxylum acanthopodium* DC berbasis riset. Dengan teknik analisis data deskriptif pengembangan buku nonteks dilaksanakan dengan model pengembangan oleh Thiagaradjan Four-D yang terdiri dari 4 tahap yaitu pendefinisian, perancangan, pengembangan dan penyebaran. Produk yang dihasilkan merupakan buku nonteks yang digunakan Mahasiswa semester tiga Jurusan Biologi Universitas Negeri Medan. Buku nonteks yang dinilai layak oleh tim validasi. hasil penilaian oleh ahli materi diperoleh hasil skor berupa 89% dengan kategori sangat layak, ahli bahasa diperoleh hasil skor 85% dengan kategori sangat layak, ahli layout buku diperoleh hasil skor 92% dengan kategori sangat layak, responen Dosen sebesar 85%, responden Mahasiswa uji coba perorangan diperoleh hasil skor 82% dengan kategori sangat layak, uji coba kelompok kecil diperoleh hasil skor 91,25% dengan kategori sangat layak, uji coba kelompok terbatas diperoleh hasil skor 97% dengan kategori sangat layak, uji hipotesis ( $t_{hitung}=3,175$ ,  $t_{tabel}=2,042$ ) sehingga dapat disimpulkan bahwa produk penelitian pengembangan buku nonteks karakterisasi Andaliman (*Zanthoxylum acanthopodium* DC) berbasis riset yang dikembangkan layak untuk digunakan sebagai penunjang pembelajaran pada mata kuliah Spermatophyta.

**Kata kunci:** Buku nonteks, karakterisasi, Andaliman, riset

## ABSTRACT

**Jesica Gultom.** Development of Andaliman characterization nontext book (*Zanthoxylum acanthopodium* DC) in North Sumatra. Postgraduate Program of Medan State University 2019.

This study aims to determine (1) the characterization of *Zanthoxylum acanthopodium* DC) in North Sumatra (2) the feasibility of non-text book material characterization of *Zanthoxylum acanthopodium* DC literature-based by material experts (3) the language feasibility of non-text book characterization of literature-based *Zanthoxylum acanthopodium* DC by linguists (4) the feasibility of non-text book design characterization of *Zanthoxylum acanthopodium* DC literature-based by design experts. (5) the feasibility of a non-text book characterization of the literature-based *Zanthoxylum acanthopodium* DC by Lecturer and Student respondents. (6) the effectiveness of non-text books on *Zanthoxylum acanthopodium* DC based literature. With descriptive data analysis techniques, the development of non-text books is carried out with a development model by Thiagaradjan Four-D which consists of 4 stages, namely defenisis, design, development and deployment. The resulting product is a non-text book used by third-semester students majoring in biology, Medan State University. Non-text books that are judged worthy by the validation team. The results of the assessment by material experts obtained score results in the form of 89% with very decent categories, linguists obtained 85% score results with very decent categories, book layout experts obtained 92% score results with very decent categories, lecturer responses of 85%, individual trial student respondents obtained 82% score results with very decent categories, small group trials obtained score results of 91.25% with very decent categories, Limited group trials obtained 97% score results with very feasible categories, hypothesis tests ( $t_{hitung}=3.175$ ,  $t_{tabel}=2.042$ ) so that it can be concluded that the research product of non-text book development of andaliman characterization (*Zanthoxylum acanthopodium* DC) based on science literacy developed is suitable for use as a learning support in the Higher Level Taxonomy course.

**Keywords:** nontext book, characterization, andaliman, literature