

## ABSTRAK

**Fernando Sembiring, NIM 4173141024 (2017). Pengembangan Buku Saku Berbasis Riset Keanekaragaman Jamur Makroskopis Di Lingkungan Kampus Universitas Negeri Medan Sebagai Media Pembelajaran Biologi Dalam Mempelajari Konsep Jamur.**

Penelitian ini bertujuan untuk melihat kelayakan berdasarkan penilaian para ahli, di antaranya: ahli materi, ahli desain, dan ahli pembelajaran serta tanggapan mahasiswa jurusan biologi Universitas Negeri Medan terhadap buku saku yang telah dikembangkan. Subjek dalam penelitian ini adalah ahli materi, ahli desain, ahli pembelajaran dan mahasiswa jurusan biologi di Universitas Negeri Medan untuk perorangan sebanyak 5 orang, kelompok kecil sebanyak 10 orang, dan kelompok terbatas sebanyak 30 orang. Objek penelitian ini adalah buku saku keanekaragaman jamur makroskopis di lingkungan Universitas Negeri Medan. Penelitian buku saku keanekaragaman jamur makroskopis di lingkungan kampus Universitas Negeri Medan termasuk jenis penelitian Pengembangan Research and Development (R&D). Pengembangan buku saku ini mengacu pada model pengembangan Thiagarajan atau model pengembangan 4-D yang dimodifikasi sampai tahap development, sehingga model 4-D terdiri atas tiga tahap, yakni define (pendefinisian), design (perancangan), dan development (pengembangan). Hasil penelitian menunjukkan bahwa penilaian oleh ahli materi dikategorikan layak, penilaian oleh ahli desain pada buku saku sangat layak, penilaian oleh ahli pembelajaran pada buku saku sangat layak, tanggapan mahasiswa pada buku saku dengan kategori sangat layak. Keseluruhan buku saku yang dikembangkan sudah sangat layak untuk digunakan sebagai media pembelajaran biologi dalam mempelajari konsep jamur.

Kata Kunci : Media Pembelajaran, Research and Development (R&D), 4-D.

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## ABSTRACT

**Fernando Sembiring, NIM 4173141024 (2017). Development of a Pocket Book Research Based on Macroscopic Mushroom Diversity in the Medan State University Campus as a Biology Learning Media in Studying Fungus Concepts.**

This research aims to see the feasibility based on the assessment of experts, including: material experts, design experts, and learning experts and the responses of college student majoring in biology at Medan State University to the Pocket Book that has been development. The subjects in this research are material experts, design experts, learning experts and college student majoring in biology at Medan State University for individuals as many 5 people, small groups of 10 people, and limited groups of 30 people. The object of this research is the pocket book on the diversity of macroscopic mushroom at the Medan State University. Pocket book research on the diversity of Macroscopic mushroom in the Campus of the Medan State University, including the type of Research and Development (R & D). The development of this pocket book refers to the Thiagarajan development model and modified 4-D until the development stage, so the 4-D model consists of three stages, define, design, and development. The results showed that the assessment of the material expert was categorized as feasible, the assessment of the design expert in the pocket book was very feasible, the assessment of the learning expert on the pocket book was very feasible, the college student responses to the pocket book were in the very feasible. The overall pocket book developed was very feasible for used as a biology learning media in studying the mushroom concept.

Keywords: Media Learning, Research and Development (R&D), 4-D.

