

**PENGEMBANGAN BUKU SUPLEMEN KEANEKARAGAMAN
SERANGGA PENYERBUK DAERAH PERKOTAAN
(URBAN POLLINATOR) DI PERUMAHAN
DAN TAMAN KOTA MEDAN**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas dan kelayakan pengembangan buku suplemen serangga penyerbuk di perumahan dan taman kota Medan berbasis hasil penelitian. Subjek dalam penelitian ini adalah (1) dua orang dosen ahli materi; (2) satu orang dosen pembelajaran; (3) satu orang ahli desain dan (4) mahasiswa Pendidikan Biologi/Biologi Universitas Negeri Medan. Penelitian ini merupakan penelitian pengembangan dengan model 4-D modifikasi dengan 3 tahap yaitu *define*, *design*, dan *development*. Hasil penelitian menunjukkan bahwa (1) validasi konten /materi dinilai berdasarkan relevansi materi, keakuratan materi, penyajian materi, kebahasaan dan penilaian produk memiliki nilai rata-rata 89,52% (sangat baik); (2) validasi desain pembelajaran dinilai berdasarkan penyajian materi, kebahasaan, efek bagi pembelajaran dan penilaian produk memiliki rata-rata 100% (sangat baik); (3) validator desain buku suplemen dinilai dengan beberapa aspek yaitu ukuran buku, tata letak kulit, tipografi kulit, ilustrasi kulit, tata letak isi buku memiliki rata-rata 87,9% (sangat baik); (4) tanggapan mahasiswa menunjukkan bahwa buku ini baik, tanggapan uji coba perorangan yaitu 86,9%, untuk uji coba kelompok kecil yaitu 84,5%. Sehingga dapat disimpulkan bahwa buku suplemen yang dikembangkan telah layak dan dapat digunakan sebagai bahan untuk memperoleh informasi lain selain buku pedoman mahasiswa.

Kata kunci : Pengembangan Buku, Serangga penyerbuk, Entomologi

**THE DEVELOPMENT OF SUPPLEMENTARY BOOK FOR INSECT
POLLINATORS IN THE URBAN AREA IN RESIDENTIAL
AND PARK OF MEDAN CITY**

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ABSTRACT

The aims of this study were to determine the quality and feasibility of supplement's book on insect pollinators in residential and park of Medan City based on a research. The subject of this study were (1) two experts for material; (2) one expert for learning design; (3) one expert for book design and (5) the students of the Dpartment of Biology, Universitas Negeri Medan. This study employed a 4-D research and development modified with 3 main stages. The result showed that (1) content/materials validation result was scored 89,52% (excellent), they are assessed based on their relevant, accuracy, presentation, language and product assessment; (2) Learning design quality result was scored 100% (excellent), measured according to material presentation, language, learning effect aspects and product assessment; (3) Book design quality measured based on several aspects, such as textbook format, cover's layout, cover's typography, cover's illustration, content's layout, content's typography, and content's illustration, the result was scored 87,9% (excellent); (4) the result of students assessment showed that this book was in good criteria, the value of individual assessment is 86,9% and the value of small assessment is 84,5%. Thus, it couldbe conclude that the supplement's book based on research developed has been feasible and could be used as the source of obtaining other information instead of student's guide book.

Keyword : Book development, insect pollinator, entomology