

ABSTRAK

FITRIATUL ASPAHANI: Pengembangan Buku Suplemen Berbasis Riset tentang Serangga Penyerbuk Pada Tanaman Cabai Merah (*Capsicum annuum* L.). Program Pasca Sarjana Universitas Negeri Medan 2019.

Penelitian ini bertujuan menghasilkan produk berupa buku ajar berbasis riset tentang serangga penyerbuk pada tanaman cabai merah (*Capsicum annuum* L.) yang layak digunakan dalam mata kuliah Entomologi. Model pengembangan yang digunakan dalam penelitian ini adalah model pengembangan Thiagarajan (4D) yang terdiri dari tahap *define*, *design*, *development* dan *dissemination*, namun tahap penelitian yang dilakukan hanya sampai *development*. Buku ajar yang dikembangkan divalidasi berdasarkan tiga kriteria yaitu materi/isi, desain media intruksional, dan desain layout. Subjek uji coba yaitu ahli materi serangga, pembelajaran, *layout*, dan tanggapan dosen pengampuh mata kuliah. Hasil validasi produk oleh ahli materi sebesar 83,52% kategori “Sangat Baik”, ahli desain pembelajaran sebesar 78,55% kategori “Baik”, ahli *layout* sebesar 83,94% kategori Sangat Baik dan menurut dosen pengampuh matakuliah sebesar 86,96% kategori “Sangat Baik”. Dapat disimpulkan bahwa produk dapat dimanfaatkan sebagai buku ajar tambahan dalam kegiatan pembelajaran pada matakuliah Entomologi dan tidak ada revisi.

Kata Kunci: Buku Ajar, Model Pengembangan 4D, serangga penyerbuk, dan cabai merah (*Capsicum annuum* L.)

ABSTRACT

FITRIATUL ASPAHANI: Development of Supplements Book Based on Research about Insects Pollinator on Chili Paper (*Capsicum annuum* L.). Postgraduate Program State University of Medan 2019.

The aim of the study was to produce a product in the form of a textbook based on research about insect pollinator on chili paper (*Capsicum annuum* L.) plants that are suitable for use in Entomology courses. The development model used in this study is the Thiagarajan (4D) development model which consists of define, design, development and dissemination, but the research phase is only up to development. The developed textbooks are validated based on three criteria namely material / content, instructional media design, and layout design. The test subjects were insect material experts, learning, layouts, and the response of the lecturers who were lecturers of the course. The results of product validation by material experts amounted to 83.52% in the category of "Very Good", the learning design expert was 78.55% in the category "Good", expert layout was 83.94% in the category Very Good and according to the lecturer the subject was 86.96% "Very Good" category. It can be concluded that the product can be used as an additional textbook in learning activities in the Entomology course and there is no revision.

Key words: Textbook, 4D Development Model, insect pollinator, and chili paper(*Capsicum annuum* L.)