

ABSTRAK

Winda Sari Gultom. Pengembangan Buku Keanekaragaman Jenis Serangga Di Perkebunan Teh Dan Kopi PTPN IV Sidamanik. Tesis. Program Pascasarjana Universitas Negeri Medan. 2018.

Penelitian bertujuan untuk: (1) Membuat buku keanekaragaman serangga; (2) Mengetahui hasil validasi ahli materi dan ahli desain terhadap buku keanekaragaman serangga diperkebunan teh dan perkebunan kopi yang dikembangkan; (3) Mengetahui jenis-jenis serangga yang ada di Perkebunan teh dan perkebunan kopi. Penelitian ini dilakukan di Perkebunan teh, perkebunan Kopi PTPN IV Sidamanik dan perkebunan kopi milik masyarakat yang tinggal di PTPN IV Sidamanik. Metode pengumpulan data melalui pengukuran langsung di lapangan yaitu dengan cara penangkapan serangga (*collecting*) dengan menggunakan *fly net*, buku yang dikembangkan berdasarkan teori dari Thiagarajan yakni 4-D (Four-D Models) Instrument penelitian berupa lembar penilaian validator Ahli materi, penilaian validator ahli media dan lembar penilaian persepsi mahasiswa terhadap buku Keanekaragaman Jenis Serangga di Perkebunan teh Dan kopi PTPN IV Sidamanik. Hasil penelitian pada perkebunan teh mendapatkan 8 ordo (Hymenoptera, Orthoptera, Neuroptera, Hemiptera, Diptera, Coleoptera, Lepidoptera)dan 956 spesies. dan pada perkebunan kopi mendapatkan hasil 5 Ordo (Hymenoptera, coleopteran, Diptera, orthoptera, hemiptera) dan 339 spesies. Uji coba produk buku ini dinilai oleh 1 ahli materi, 1 ahli media, 5 Mahasiswa yang sudah yang sudah mengambil mata kuliah ekologi hewan. Hasil keseluruhan penilaian terhadap buku keanekaragaman jenis serangga menunjukkan penilaian ahli media dihasilkan nilai 81.0 dengan kriteria “ sangat layak ” sedangkan penilaian ahli materi dihasilkan nilai 82,6 dengan kriteria “sangat layak” dan nilai respon mahasiswa dihasilkan nilai 93,3 dengan kriteria “sangat layak”. Kesimpulan Penelitian ini Mengaplikasikan bahwa Buku Keanekaragaman Jenis Serangga di Perkebunan teh dan kopi PTPN IV Sidamanik layak digunakan sebagai sumber belajar untuk membantu mahasiswa dalam mengenal jenis-jenis serangga yang ada diperkebunan teh dan kopi.

Kata kunci: Buku keanekaragaman jenis serangga, perkebunan teh dan kopi PTPN IV Sidamanik, kelayakan materi dan desain.

ABSTRACT

Winda Sari Gultom. Developing the Guidebook of Insect Diversity at PTPN IV Sidamanik Tea Plantation. Thesis. Postgraduate Program in Universitas Negeri Medan. 2019

The aims of this study were to: (1) create a guidebook of insect diversity; (2) find out the results of the validation from learning material and design experts towards the guidebook of insect diversity in the tea plantation; and (3) find out the types of insects in the tea plantation. This study was conducted at PTPN IV Sidamanik Tea Plantation. The method of collecting data through direct measurements in the field was by collecting insects with fly nets, a guidebook developed based on the theory of 4-D Thiagarajan (Four-D Models). The instruments were in the form of learning material assessment sheets, guidebook design assessment sheets as well as the student perceptual assessment sheets of the guidebook of insect diversity. The results have obtained the 8 orders (Hymenoptera, Orthoptera, Neuroptera, Hemiptera, Diptera, Coleoptera, Lepidoptera) and 956 species. And on coffee plantations get 5 ordo (Hymenoptera, coleopteran, Diptera, orthoptera, hemiptera) and 339 spesies The trial of this guidebook product was assessed by a learning material expert, a learning media expert and five students who have taken courses in animal ecology. The results of the overall assessment of the guidebook showed the assessment from learning media experts produced a value of 81.0 with the criteria "very feasible" while the assessment from learning material experts produced a value of 82.6 with the criteria "very feasible" and the value from student responses produced 93.3 with criteria "very feasible " It was concluded that the guidebook of insect diversity at PTPN IV Sidamanik Tea Plantation was feasible to be used as a learning resource to help students recognize the types of insects that exist in tea plantations.

Keywords: Guidebook of insect diversity, material feasibility, design feasibility