

ABSTRAK

Miska Khairani Siregar. Pengembangan Buku Saku Identifikasi Jamur diperkebunan Karet berbasis Literasi Sains sebagai sumber Belajar Biologi Siswa SMA di Kecamatan Angkola Selatan. Tesis. Program Pascasarjana Universitas Negeri Medan 2019.

Penelitian ini dilatarbelakangi oleh keterbatasan bahan ajar di kelas khususnya materi jamur, rendahnya literasi siswa saat ini dan rendahnya nilai siswa pada materi jamur. Penelitian ini bertujuan untuk mengetahui; (1) kelayakan isi dan penyajian buku saku identifikasi jamur di kelas X IPA menurut ahli materi; (2) kelayakan buku saku identifikasi jamur di kelas X IPA menurut ahli bahasa; (3) kelayakan buku saku jamur di kelas X IPA menurut ahli desain *layout*; (4) kepraktisan buku saku identifikasi jamur pada materi jamur di kelas X; (5) respon guru dan peserta didik biologi terhadap buku saku jamur. Penelitian ini dilakukan di sekitar perkebunan karet dikecamatan Angkola Selatan dan sekolah SMA Negeri1 Kecamatan Angkola, dengan teknik analisis data deskriptif pengembangan buku saku dilaksanakan dengan menggunakan model pengembangan Thiagarajan *Four-D* (4-D) yang terdiri dari empat tahap yaitu pendefinisian, perancangan, pengembangan dan penyebaran. Produk yang dihasilkan merupakan buku saku yang akan digunakan siswa SMA Negeri 1 Kecamatan Angkola Selatan. Bukusaku yang dinilai layak oleh ahli validasi. Hasil penilaian ahli materi menunjukkan dalam kategori sangat baik dengan rata-rata persentase 94,57% (sangat baik), ahli desain layout sebesar 93,22% (sangat baik), ahli desain pembelajaran sebesar 96,97% (sangat baik), responden guru sebesar 96.85% (sangat baik), responden pesertadidik sebesar 89,9%(sangat baik), uji efektivitas buku saku sebesar 60,57% (cukup) dan nilai uji t ($t_{hitung} = 4,55$ dan $t_{tabel} = 1,69$) sehingga dapat disimpulkan bahwa produk penelitian pengembangan Buku Saku Identifikasi Jamur di Perkebunan Karet Berbasis Literasi Sains Sebagai Sumber Belajar Biologi Siswa SMA di Kecamatan Angkola Selatan yang dikembangkan layak untuk digunakan sebagai sumber belajar biologi di kelas X.

Kata Kunci : buku saku, jamur,di perkebunan karet, literasi sains



ABSTRACT

Miska Khairani Siregar. Development of a Pocket Book on Identification of Fungi in Rubber Plantations Based on Science Literacy as a Source of Biology Learning for High School Students in South Angkola District. Thesis. Medan State University Postgraduate Program 2019.

This research is motivated by the limitations of teaching materials in class, especially mushroom material, low current student literacy and low student scores on mushroom material. This study aims to determine; (1) the feasibility of the contents and presentation of the mushroom identification pocket book in class X IPA according to the material expert; (2) feasibility of mushroom identification pocket book (in class X IPA according to linguists; (3) feasibility of mushroom pocket books in class X IPA according to the layout design expert; (4) the practicality of mushroom identification pocket books on mushroom material in class X; (5) the response of biology teachers and students to mushroom pocket books. This research was conducted around rubber plantations in Angkola Selatan sub-district and SMA Negeri 1 Angkola sub-district, with descriptive data analysis techniques the development of pocket books was carried out using the Thiagarajan Four-D (4-D) development model which consisted of four stages, namely definition, design, development and deployment. The resulting product is a pocket book that will be used by students of SMA Negeri 1, South Angkola District. A pocket book that is judged worthy by a validation expert. The results of the assessment of material experts show that they are in the very good category with an average percentage of 94.57% (very good), layout design experts are 93.22 (very good), learning design experts are 96.97% (very good), teacher respondents are 96.85 % (very good), student respondents by 89.9% (very good), pocket book effectiveness test by 60.57% (enough) and t test scores ($t_{count} = 4.55$ and $t_{table} = 1.69$) so that It was concluded that the research product of the development of the Pocket Book Identification of Mushrooms in a Scientific Literacy-Based Rubber Plantation as a Biology Learning Resource for High School Students in Angkola Selatan District which was developed is feasible to be used as a biology learning resource in class X.

Keywords: pocket book, mushroom, rubber plantation, scientific literacy

