

ABSTRAK

Widya Mita Rahmadani Nasution: Pengembangan Buku Nonteks Pengolahan Sampah Plastik berbasis Literasi Lingkungan sebagai sumber Belajar Siswa SMA di Asahan. Tesis. Program Pascasarjana Universitas Negeri Medan. 2022.

Penelitian ini bertujuan untuk: (1) mengetahui tingkat kelayakan buku nonteks pengolahan sampah plastik berbasis literasi lingkungan di Asahan menurut para ahli materi; (2) mengetahui tingkat kelayakan buku nonteks pengolahan sampah plastik berbasis literasi lingkungan di Asahan menurut para desain pembelajaran; (3) mengetahui respon guru Biologi terhadap buku nonteks pengolahan sampah plastik berbasis literasi lingkungan; (4) mengetahui respon peserta didik terhadap buku nonteks pengolahan sampah plastik berbasis literasi lingkungan; (5) mengetahui efektivitas buku nonteks pengolahan sampah plastik berbasis literasi lingkungan dalam meningkatkan literasi lingkungan siswa SMA.

Penelitian ini menggunakan teknik analisis data deskriptif. Pengembangan buku nonteks ini dilaksanakan dengan menggunakan model pengembangan Thiagarajan yaitu 4-D (Four-D Models). Instrumen penelitian merupakan lembar penilaian validator ahli materi, ahli desain pembelajaran dan penilaian respon guru Biologi serta respon peserta didik. Hasil penilaian kelayakan isi buku dari ahli materi termasuk kategori “Sangat Baik” dengan presentase sebesar 90,2%. Hasil penilaian ahli desain termasuk kategori “Sangat Baik” dengan presentase 93%. Hasil tanggapan guru Biologi dan peserta didik terhadap buku mendapatkan presentase 90,6% dan 90,7% dengan kategori “Sangat Baik”. Hasil uji efektivitas buku nonteks pengolahan sampah plastik berbasis literasi lingkungan dengan kategori cukup efektif dengan presentase N-Gain sebesar 70,6%.

Kata Kunci : Buku Nonteks, Sampah Plastik, Literasi Lingkungan

ABSTRACT

Widya Mita Rahmadani Nasution. Development of a non-text book on Environmental Literacy-based Plastic Waste Management as a Learning Source for High School Students in Asahan. Thesis. Medan State University Postgraduate Program. 2022.

This study aims to: (1) determine the feasibility level of non-text books on environmental literacy-based plastic waste processing in Asahan according to material experts; (2) determine the feasibility level of non-text books on environmental literacy-based plastic waste processing in Asahan according to learning designs; (3) knowing the response of Biology teachers to non-text books on environmental literacy-based plastic waste processing; (4) knowing the response of students to non-text books on plastic waste processing based on environmental literacy; (5) determine the effectiveness of non-text books on environmental literacy-based plastic processing in improving environmental literacy of high school students.

This study uses descriptive data analysis techniques. The development of this non-text book is carried out using the Thiagarajan development model, namely 4-D (Four-D Models). The research instrument is an assessment sheet for material expert validators, learning design experts and assessment of Biology teacher responses and student responses. The results of the assessment of the feasibility of the contents of the book from material experts are included in the "Very Good" category with a percentage of 90.2%. The results of the design expert's assessment included the "Very Good" category with a percentage of 93%. The results of the responses of Biology teachers and students to books get a percentage of 90.6% and 90.7% in the "Very Good" category. The results of the test of the effectiveness of non-text books on environmental literacy-based plastic waste processing are quite effective with an N-Gain percentage of 70.6%.

Keyword: Nonteks Books, plastic waste, environmental literacy