

ABSTRAK

Aron Rinol Saing. Pengembangan Buku Ajar Biologi Kelas XI SMA Berbasis Potensi Lokal di Sumatera Utara. Tesis. Program Pascasarjana Universitas Negeri Medan. 2017.

Buku ajar merupakan sumber belajar dan sarana keberhasilan proses belajar mengajar. Pembelajaran biologi di sekolah hendaknya terkait dengan lingkungan dimana peserta didik tinggal. Buku ajar berbasis potensi lokal akan membuat siswa lebih aktif dan menarik minat siswa untuk mengenal potensi lokal di daerahnya yang akan berpengaruh terhadap hasil belajarnya.

Penelitian ini bertujuan untuk mengetahui: (1) Kelayakan isi dan kelayakan penyajian buku ajar biologi kelas XI SMA/MA berbasis potensi lokal yang telah dikembangkan menurut ahli materi; (2) Kelayakan desain buku ajar biologi kelas XI SMA/MA berbasis potensi lokal yang telah dikembangkan menurut ahli desain; (3) Mengetahui kelayakan buku ajar biologi kelas XI SMA/MA berbasis potensi lokal yang telah dikembangkan menurut siswa dan guru biologi.

Jenis penelitian ini adalah penelitian pengembangan yang menggunakan Model *Four-D* dari Thiagarajan, yang meliputi 4 tahap pengembangan yaitu pendefinisian, perancangan, pengembangan, dan penyebaran. Penelitian pengembangan ini akan menghasilkan suatu produk buku ajar biologi yang berbasis potensi lokal Sumatera Utara untuk kelas XI SMA/MA semester ganjil. Data tentang kualitas produk pengembangan ini didapatkan dengan angket yang diberikan kepada validator materi, sosial budaya, desain buku ajar serta guru biologi dan siswa kelas XI SMA/MA di SMA Negeri 1 Tarutung, kemudian dianalisis dengan deskriptif kualitatif.

Hasil penelitian menunjukkan: (1) Uji materi tentang kelayakan isi, bahasa dan penyajian buku ajar berada pada kriteria sangat baik (88%); (2) Uji desain buku ajar berada pada kriteria sangat baik (92%); (3) Penilaian guru mata pelajaran biologi berada pada kriteria baik (75%); (4) Penilaian siswa perorangan berada pada kriteria baik (78%); (5) Penilaian siswa kelompok kecil berada pada kriteria baik (80%); dan (6) Penilaian siswa kelompok terbatas berada pada kriteria sangat baik (84%), maka dapat disimpulkan bahwa produk pengembangan buku ajar biologi berbasis potensi lokal Sumatera Utara ini layak digunakan sebagai buku ajar kelas XI SMA.

Kata Kunci: Pengembangan Media, Buku Ajar, Potensi Lokal.

ABSTRACT

Aron Rinol Saing. The Development Of Biology Lesson book Class XI High School Based Local Potential In North Sumatra. Thesis. Postgraduate Program, State University of Medan. 2017.

Lesson book are learning resource and achievement tool of the teaching learning process. Biology learning at school let related with environment in which students live. Lesson book based local potential will make students more active and attracted the interest of students to know local potential in the region who will have an effect toward its learning outcome.

This study aims to know: (1) The feasibility of content and presentation of biology lesson book class XI SMA/MA based local potential which has been developed according to matter; (2) The feasibility of design of the biology lesson book class XI SMA/MA based local potential which has been developed according to people of design; and (3) The feasibility of biology lesson book class XI SMA/MA based local potential which has been developed according to students and biology teachers.

The kind of this research is development research which using *Four-D* Model of Thiagarajan, which have stage four of development that includes are define, design, develop, dan disseminate. The development research it will produce a product biology lesson book based local potential at North Sumatra for class XI SMA/MA in odd semester. Data on quality products this development was obtained through questionnaire given to validator of material experts, socio-cultural, lesson book design, biology teacher and students class XI SMA/MA at SMA Negeri 1 Tarutung, and then analyzed by qualitative descriptive.

The results of this study show that: (1) Test material about feasibility of content, language, and presentation of lesson book are in very good criteria (88%); (2) Test design of lesson book is in very good criteria (92%); (3) Assessment of biology teachers are in good criteria (75%); (4) Assessment of individual students are in good criteria (78%); (5) Assessment of small group students are in good criteria (80%); and (6) Assessment of limited group students are in very good criteria (84%), so concluded is development product of the biology lesson book based local potential of North Sumatera this feasible used as as lesson book at class XI SMA.

Key Words: Media Development, Lesson book, Local Potential.