

ABSTRACT

Tarinta Annisa Kendedes. 2021. Development of Integrated Science Teacher's Book on Junior High School Based on Character with the Theme Cohesion and Adhessin on Living with Shared Model. Thesis. Magister of Program in Physics Education, Math and Sciences Faculty, Universitas Negeri Padang.

The implementation of the 2013 curriculum contains aspects that support its implementation. One of the learning resources that supports the learning process is teacher's book and student's book. The teacher's book is a guideline for teacher through the stages of preparation, implementation, and assessment of learning. In addition, teacher's book is an instruction to use the student's book. The purpose of this study was to Development of Integrated Science Teacher's Book on Junior High School Based on Character with the Theme Cohesion and Adhessin on Living with Shared Model creatures with valid, practical and effective criteria.

This type of research is research development using Revees model. Revees model have 4 phases is analysis of practical problems, design and development the prototype, iterative cycles of testing and refinement and then implementation phase. The research data in this study is need analysis, validity, practicality and effectiveness. The research instruments are questionnaires, analysis, validity, practicality and effectiveness sheets. The technique to analyse the data is descriptive presentage.

The results of the stages of development are to obtain valid, practical and effective criteria. On the teacher's book validation questionnaire has 3 indicators from analysis of practical problems phase are initial analysis, learning material, of learning activities, of learning media, assessment and analysis usage teacher's book practicality analysis. Teacher's book practicality questionare has 3 indicators: namely the content apect, the linguistic aspect, and the graphic aspect obtained are valid criteria, while the practicality questionnaire has 3 indicators, which were easy to understand, interesting, and efficient obtained are very practical criteria, and then the effectiveness questionnaire has 2 indicators, namely the perception of teacher's and the changes in knowledge, skill and attitude obtained are very effective criteria. Based on result of research the integrated science teacher's book on junior high school based on character with the theme cohesion and adhessin on living with shared model creatures which are in valid, practical and effective criteria.

ABSTRAK

Tarinta Annisa Kendedes. 2019. Pengembangan Buku Guru IPA Terpadu Bermuatan Karakter dengan Tema Kohesi dan Adhesi pada Makhluk Hidup Berbasis *Shared* Model. Tesis. Program Studi Magister Pendidikan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Padang.

Implementasi kurikulum 2013 memuat berbagai aspek yang mendukung dalam pelaksanaan kurikulum tersebut. Salah satu sumber belajar yang mendukung proses pembelajaran yaitu buku guru dan buku siswa. Buku guru merupakan pedoman bagi guru untuk melalui tahap persiapan, pelaksanaan dan penilaian pembelajaran. Selain itu buku guru adalah petunjuk menggunakan buku siswa. Tujuan dari penelitian ini adalah mengembangkan buku guru IPA Terpadu bermuatan karakter dengan tema kohesi dan adhesi pada makhluk hidup berbasis *shared* model dengan kriteria valid, praktis dan efektif.

Jenis penelitian ini adalah penelitian pengembangan menggunakan model pengembangan *Revees*. Model *Revees* terdiri dari empat fase, yaitu fase analisis masalah, fase desain dan pengembangan prototipe, fase pengujian berulang dan perbaikan dan selanjutnya fase implementasi. Data dalam penelitian ini adalah data analisis kebutuhan, data validasi, data praktikalitas dan data efektivitas. Instrument penelitian terdiri dari angket, lembar analisis, lembar validasi, lembar praktikalitas dan lembar efektivitas. Teknik analisis data menggunakan deskriptif persentase.

Hasil tahapan pengembangan yaitu untuk memperoleh kriteria valid, praktis dan efektif. Pada angket validasi buku guru yang terdiri dari 3 indikator yaitu aspek isi, aspek konstruk, aspek kebahasaan, dan aspek kegrafisan diperoleh kategori valid, sedangkan pada angket kepraktisan yang terdiri dari 3 indikator yaitu mudah dipahami, menarik dan efisien diperoleh kategori sangat praktis dan pada angket efektifitas yang terdiri dari 2 indikator yaitu mengenai persepsi guru dan adanya perubahan pengetahuan, keterampilan dan sikap diperoleh kategori sangat efektif. Berdasarkan hasil penelitian didapatkan buku guru IPA Terpadu bermuatan karakter dengan tema kohesi dan adhesi pada makhluk hidup berbasis *shared* model dengan kriteria valid, praktis dan efektif.