

# **PENGEMBANGAN MODUL IPA BERBASIS KEMANDIRIAN BELAJAR SISWA KELAS IV SD**

**(2016)**

**Firsti Oktaviyani**

## **ABSTRAK**

Penelitian pengembangan model ini bertujuan untuk menghasilkan modul IPA dengan basis kemandirian belajar siswa di kelas IV SD pada materi energi panas. Metode yang digunakan adalah metode penelitian dan pengembangan (R&D) dengan model pengembangan Borg dan Gall. Ada 9 tahapan yang dilakukan dalam pengembangan ini yaitu penelitian dan pengumpulan data, perencanaan pengembangan draf produk, uji coba lapangan awal, merevisi hasil uji coba, uji coba lapangan penyempurnaan produk hasil uji coba lapangan, uji pelaksanaan lapangan, dan penyempurnaan produk akhir. Responden dalam pengembangan ini diantaranya, satu dosen ahli materi, satu dosen ahli bahasa, satu dosen ahli media, guru kelas IV sebanyak dua orang, siswa kelas IV SDN Kebalen 03 Bekasi sebanyak 15 siswa, dan siswa kelas IV SD Islam Al Azhar 19 Sentra Primer Jakarta Timur sebanyak 32 siswa. Pengumpulan data dilakukan dengan menggunakan teknik evaluasi formatif meliputi tahap uji ahli, uji coba satu-satu, uji coba kelompok kecil, dan uji pelaksanaan lapangan. Hasil penelitian menunjukkan bahwa modul IPA berbasis kemandirian belajar siswa kelas IV SD pada materi energi panas dinilai sangat baik, hal itu terlihat dari nilai rata-rata menurut ahli sebesar 96%, angket sebesar 93,% dan rata-rata hasil belajar siswa sebesar 89. Modul ini menarik bagi siswa dan dapat menjadi sumber belajar alternatif yang digunakan siswa saat belajar mandiri.

**Kata Kunci: Modul IPA, Kemandirian Belajar, Penelitian dan Pengembangan**

**NATURAL SCIENCE'S MODULE DEVELOPMENT BASED  
INDEPENDENCE LEARNING FOR GRADE IV ELEMENTARY SCHOOL  
STUDENTS**

**(2016)**

**Firsti Oktaviyani**

**ABSTRACT**

*This Research and Development aims to produce Science Module Based Independence Learning for Fourth Grade Elementary School Student for the heat energy chapter. The method used is Research and Development (R&D) with Borg and Gall development model. There are 9 steps that should be taken are, research and information collecting, planning, develop preliminary form of product, preliminary field testing, main product revision, main field testing, operational product revision, operational field testing, and final product. The respondents in this development include, one material expert lecturer, one linguist expert lecture, one media expert lecturer, fourth grade teacher as much as two people, fourth grade student from Kebalen 03 State Elementary School Bekasi as much as 15 students, and fourth grade student from Al Azhar 19 Sentra Primer Islamic Elementary School East Jakarta as much as 32 students. Data collection was done by using formative evaluation technique includes expert review, one to one, small group, and field test. The result showed that the Science Module based independence learning for fourth grade elementary school student is considered very good that showed of the average score 96% from expert lecturers, 93% from students questionnaire, and 89 from average score of learning outcomes students. This module is interesting for students and can be alternative learning resources that can used and supported independence learning for students.*

**Keyword: Natural Science Module, Independence Learning, Research and Development**