

**PENGEMBANGAN MODUL IPA BERBASIS PENDEKATAN *PROBLEM
BASED LEARNING* (PBL) PADA MATERI GAYA UNTUK SEKOLAH
DASAR KELAS IV**

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ABSTRAK

Penelitian ini bertujuan untuk mengembangkan dan menghasilkan modul IPA berbasis pendekatan *problem based learning* (PBL) materi gaya untuk Sekolah Dasar kelas IV. Metode yang digunakan pada penelitian ini adalah metode penelitian dan pengembangan atau Research and Development (R&D) dengan mengacu pada model pengembangan Borg dan Gall. Pengambilan sampel menggunakan teknik validasi produk dengan ahli materi, ahli bahasa dan ahli media. Teknik evaluasi yang digunakan adalah evaluasi formatif. Evaluasi ini dilaksanakan melalui tiga tahap uji coba, yaitu uji coba lapangan awal, uji coba lapangan, dan uji coba pelaksanaan lapangan. Hasil penelitian modul IPA berbasis pendekatan *Problem Based Learning* (PBL) yang telah dikembangkan menurut ahli materi, ahli bahasa, dan ahli media adalah sangat baik dengan presentase masing-masing sebesar 96,5%, 96%, dan 78%. Respon peserta didik pada uji coba lapangan dan uji coba pelaksanaan lapangan adalah sangat baik dengan presentase masing-masing 93% dan 98%. Hasil penelitian ini menunjukkan bahwa modul IPA berbasis pendekatan *Problem based Learning* (PBL) materi gaya untuk kelas IV SD yang telah dikembangkan dapat digunakan sebagai salah satu bahan ajar penunjang dalam kegiatan pembelajaran.

Kata Kunci: Modul IPA, *Problem based Learning* (PBL), R&D

**SCIENCE'S MODULE DEVELOPMENT BASED ON PROBLEM BASED
LEARNING (PBL) APPROACH FOR ELEMENTARY SCHOOL FOURTH
GRADE**

(2016)

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ABSTRACT

This research aims to produce Science module based on Problem Based Learning approach of lights and optical instruments chapter for fourth grade elementary school. The method used in this study is Research and Development (R&D) method refers to Borg and Gall models. Sample used in this research is product validation with materials expert, linguists, and media expert. The evaluation technique used is formative evaluation. This evaluation is carried out through three stages of testing, such as preliminary field testing, main field testing, and operational field testing. Assessment result of science's module based on Problem Based Learning approach which has been developed according to material expert, linguists, and media expert is very excellent with percentage each are 96,5%, 96%, and 78%. Student's response on main field testing, and operational field testing is very excellent with percentage each are 93%, and 98%. This research result shows that science's module based on Problem Based Learning approach of energy chapter for fourth grade elementary school which has been developed can be used as one of learning activity support.

Keyword: *Science Module, Problem based Learning (PBL), Research & Development*