

Erfiyanti Valiana. 2018. *Pengembangan Katalog IPA Berbasis SETS Pada Materi Alat Optik Untuk Mengetahui Hasil Belajar Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing I Yunin Hidayati dan pembimbing II Ana Yuniasti Retno Wulandari.

ABSTRAK

Tujuan penelitian ini adalah mengetahui kelayakan, keterbacaan, respon siswa, dan hasil belajar siswa terhadap katalog IPA berbasis SETS pada materi alat optik. Penelitian ini merupakan penelitian dan pengembangan dengan menggunakan model 4D. Desain penelitian adalah *One Shot Case Study*. Penelitian dilaksanakan di SMPN 4 Bangkalan kelas VIII B pada semester genap tahun ajaran 2017/2018. Berdasarkan hasil penelitian disimpulkan bahwa: (1) Katalog IPA berbasis SETS pada materi alat optik sangat valid dan layak digunakan dengan persentase ahli media sebesar 91,42% dan reliabilitas sebesar 94%. Persentase ahli materi sebesar 84,20% dan reliabilitas sebesar 96%. (2) Hasil rata-rata penilaian keterbacaan sebesar 85,26% dengan kategori sangat baik. (3) Hasil rata-rata penilaian angket respon siswa sebesar 83,45% dengan kategori sangat menarik. (4) Hasil belajar siswa terdapat 16 siswa tuntas dan 6 siswa tidak tuntas. Katalog IPA berbasis SETS dinyatakan layak digunakan dan dapat mengetahui hasil belajar siswa.

Kata Kunci: 4D, Hasil Belajar, Katalog IPA, SETS.

Erfiyanti Valiana. 2018. Developing of Catalog IPA based on SETS with optical instrument's material to know student's learning outcomes. Thesis, Natural Science Education Study Program, Education Faculty, University of Trunojoyo Madura. Advisor I Yunin Hidayati and Advisor II Ana Yuniasti Retno Wulandari.

ABSTRACT

The aim of the research was to know validity, readable, student response, and student's learning outcomes of catalog IPA based on SETS with optical instrument's material. This research was research and development with 4D's model. Design of this research was One-Shot Case Study. This research held in SMPN 4 Bangkalan, VIII B class, at even semester, academic year 2017/2018. Based on the results of this research, it can be concluded: (1) The Catalog IPA based on SETS with optical instrument's material was very valid and proper to use will percentage of media expert 91,42% and reliability 94%. Percentage of material expert 84,20% and reliability 96%. (2) The average result of readable 85,26% with readability category. (3) The average result of student response was 83,45% with very interest category. The Catalog IPA based on SETS considered feasible to use and could be know the learning outcomes of students.

Keyword: 4D, catalog IPA, learning outcomes, SETS