

Difia Mardiyanti. 2019. *Pengembangan Pocketbook IPA Berbasis SETS Terhadap Keterampilan Berpikir Kritis Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing 1: Yunin Hidayati dan Pembimbing 2: Nur Qomaria.

ABSTRAK

Penelitian ini merupakan penelitian pengembangan dengan menggunakan model 4-D tanpa tahap *Disseminate*. Produk yang dikembangkan dalam penelitian adalah *pocketbook* IPA Berbasis SETS. Penelitian ini bertujuan untuk mengetahui kelayakan, keterbacaan, respons siswa dan keterampilan berpikir kritis siswa setelah diterapkan produk dalam pembelajaran. Desain penelitian menggunakan *one-shot case study*. Dari hasil penelitian menunjukkan bahwa *pocketbook* IPA berbasis SETS sangat layak digunakan berdasarkan penilaian kelayakan materi dan kelayakan media. Hasil validitas materi yaitu 91,69% dengan kriteria sangat valid dan reliabilitas yaitu 96,30% dengan kriteria sangat reliabel. Hasil validitas media yaitu 95,49% dengan kriteria sangat valid dan reliabilitas yaitu 95,63% dengan kriteria sangat reliabel. Hasil respons siswa yaitu 83,48% dengan kriteria sangat menarik dan hasil keterbacaan produk yaitu 82,92% dengan kriteria sangat baik. Rata-rata keterampilan berpikir kritis siswa yaitu 70,73% dengan kriteria kritis.

Kata kunci : keterampilan berpikir kritis, *pocketbook* IPA, SETS.

Difia Mardiyanti. 2019. *Development of Science Pocketbook based SETS to Students Critical Thinking Skills*. Thesis, Natural Science Education Study Program. Education Faculty, University of Trunojoyo Madura. 1st Advisor: Yunin Hidayati and 2nd Advisor: Nur Qomaria.

ABSTRACT

This research is a development research using 4-D models without Disseminate stage. The product developed in this research was science pocketbook based SETS. The aims of the research were to know feasibility, readability, students' respons and students' critical thinking skills after the product was applied in the learning process. Research design using one-shot case study. The result showed that science pocketbook based SETS very worth to use based on assesment material feasibility and media feasibility. The result of material validity were 91,69% with very valid criteria and reliability were 96,30% with very reliable criteria. The result of media validity were 95,49% with very valid criteria and reliabilities were 95,63% with very reliable criteria. The result of students' respons were 83,48% with very good criteria. The result of readability were 82,92 % with very interesting criteria. Average of students critical thinking skills were 70,73% with critical criteria.

Keywords : *critical thinking skills, science pocketbook, SETS.*