

Ayu Evita Syahrul Fauziah. 2019. *Pengembangan LKS Berbasis POE (Predict, Observe, Explain) Terhadap Keterampilan Proses Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I: Yunin Hidayati. Pembimbing II: Nur Qomaria

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kelayakan LKS (Lembar Kerja Siswa) berbasis *POE (Predict, Observe, Explain)*, keterbacaan, respons, dan keterampilan proses sains siswa. Penelitian dan pengembangan ini menggunakan model pengembangan *ADDIE* dengan 5 tahap yaitu: *Analysis, Design, Develop, Implementation*, dan *Evaluation*. Subyek pada penelitian ini adalah siswa kelas VIII B SMP Barunawati Surabaya tahun pelajaran 2018/2019. Teknik pengumpulan data menggunakan angket, dokumentasi, dan tes. Berdasarkan hasil penelitian dapat disimpulkan bahwa 1) LKS berbasis *POE* layak digunakan dalam pembelajaran dengan rata-rata penilaian validasi sebesar 98% dengan kriteria sangat valid untuk media dan 92,6% dengan kriteria sangat valid untuk kelayakan materi, 2) Hasil rata-rata penilaian keterbacaan LKS berbasis *POE* sebesar 88,3% dengan kriteria sangat baik, 3) Hasil penilaian respons siswa sebesar 87% dengan kriteria sangat baik, 4) Hasil daya serap keterampilan proses sains siswa sebesar 59% dengan kriteria baik.

Kata Kunci: Keterampilan Proses Sains, Lembar Kerja Siswa, *POE*.

Ayu Evita Syahrul Fauziah. 2019. *Development of student's worksheet based on POE (Predict, Observe, Explain) toward student's science process skills.* Thesis, Natural Science Education Study Program, Education Faculty, University of Trunojoyo Madura. 1st Advisor : Yunin Hidayati. 2nd Advisor: Nur Qomaria

ABSTRACT

The aims of research were to know the feasibility of student's worksheet based on POE, readability, response, and student's science process skills. This research and development used ADDIE development model with 5 steps that are Analysis, Design, Develop, Implementation, and Evaluation. The subject of this research were students of class VIII B SMP Barunawati Surabaya in 2018/2019 academic year. The collecting data technique used questionnaire, documentation, and test. Based on results of the research, it can be concluded that: 1) POE based student worksheet worth to use with assessment average of validation were 98% with very valid category for media and 92,6% with very valid category for concept aspect, 2) The average result of the readability assessment is 88,3% with very good category, 3) The result of the student's response assessment is 87% with very good category, 4) The result of the power absorb student's science process skills is 59% with good category .

Keywords: science process skills, student worksheet, POE.