

Diah Aisiyah. 2017. *Pengembangan Lembar Kerja Siswa IPA Berbasis Problem Solving Terhadap Hasil Belajar*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing I Laila Khamsatul Muharrami, S.Si., M.Si. dan pembimbing II Ana Yuniasti Retno Wulandari, S.Pd., M.Pd.

ABSTRAK

Tujuan penelitian ini adalah mengetahui kelayakan, keterbacaan, hasil belajar, dan respon siswa terhadap lembar kerja siswa IPA berbasis *problem solving* pada materi getaran dan gelombang. Jenis penelitian adalah R&D (*research and development*) menggunakan model 4D Thiagarajan tanpa tahap penyebaran. Desain penelitian adalah *one-shot case study*. Penelitian dilaksanakan di SMPN 3 Kamal di kelas VIII B tahun ajaran 2016/2017. Lembar kerja siswa yang dikembangkan dinilai dari kelayakan LKS, keterbacaan LKS, hasil belajar, dan respon siswa. Hasil rata-rata penilaian uji kelayakan aspek perangkat pembelajaran adalah validitas 0,74 dengan kategori valid, reliabilitas 95,12% dengan kategori baik dan aspek materi adalah validitas 0,86 dengan kategori valid, reliabilitas 86,66% dengan kategori baik. Hasil rata-rata penilaian keterbacaan LKS sebesar 81,01% dengan kategori terbaca dengan baik. Hasil belajar secara individual dikatakan tuntas sebanyak 16 siswa, tidak tuntas sebanyak 6 siswa, dan secara klasikal dikatakan tidak tuntas dengan persentase 72,72%. Hasil rata-rata penilaian respon siswa sebesar 76,04% dengan kategori sangat menarik. Lembar kerja siswa IPA berbasis *problem solving* dinyatakan layak digunakan, namun hasil ketuntasan belajar secara klasikal belum tuntas.

Kata kunci: hasil belajar, lembar kerja siswa IPA, pengembangan, *problem solving*

Diah Aisiyah. *Developing of Science Student Worksheet Based of Problem Solving Toward Learning Outcomes*. Thesis, Natural Science Education Study Program, Education faculty, University of Trunojoyo Madura. Advisor I Laila Khamsatul Muharrami, S.Si., M.Si. and Advisor II Ana Yuniasti Retno Wulandari, S.Pd., M.Pd.

ABSTRACT

The aim of this research was to know the validity, readable, learning outcomes, and student's response of the student worksheet based of problem solving in wave and vibration learning. The kind of research was R&D (research and development) with 4-D thigarajan model without disseminate phase. Design of this research was one-shot case study. The study held in SMPN 3 Kamal, VIII-B class, academic year 2016/2017. Development science student worksheet be measured from validity of student worksheet, readable of student worksheet, learning outcomes, and student's response. The average result of validity at instructional aspect was 0,74 with valid category, reliability 95,12% with good category and validity at material aspect was 0,86 with valid category, reliability 86,66% with good category. The average result of readable student worksheet was 81,01% with readability category. The result of individual learning outcomes was sixteen student to be success and six student to be failed, the result of clasical learning outcomes was failed category with percentage was 72,72%. The average result of student's response assesment was 78,91% with very attactive category. The problem solving science student worksheet considered feasible to use, but the classical learning outcomes still not success.

Key Word: learning outcomes, problem solving, development, science student worksheet.