

Indah Sari Mardana. 2020. *Pengembangan Lembar Kerja Siswa Berbasis Keterampilan Generik Sains Melalui Praktikum IPA*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing 1 Laila Khamsatul Muharrami dan Pembimbing II Mochammad Yasir.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kelayakan, keterbacaan, dan respons siswa terhadap Lembaran kerja siswa. Rumusan masalah dari penelitian bagaimana kelayakan, keterbacaan dan respons siswa pengembangan lembar kerja siswa praktikum berbasis keterampilan generik sains, penelitian Menggunakan model pengembangan 4D meliputi *Define, Design, Develop, Disseminate* dan keterampilan Generik sains. Populasi dalam penelitian adalah siswa kelas VIII SMP PGRI 4 Waru Sidoarjo. Sampel penelitian adalah 15 siswa kelas VIII. Berdasarkan hasil penelitian diperoleh nilai rata-rata kelayakan media dari uji validitas sebesar 0,88% dinyatakan layak digunakan tanpa revisi (valid), dan uji reliabilitas sebesar 93% dinyatakan sangat baik, rata-rata kelayakan materi dari hasil uji validitas sebesar 0,83% dinyatakan layak digunakan tanpa revisi (valid) dan uji reliabilitas sebesar 91% dinyatakan sangat baik, keterbacaan sebesar 93,35% dinyatakan sangat baik, respons siswa sebesar 87,91% dinyatakan baik. Disimpulkan bahwa pengembangan Lembar kerja siswa berbasis keterampilan generik sains melalui praktikum IPA layak digunakan sebagai bahan ajar dalam proses pembelajaran.

Kata Kunci: Cahaya dan Optik, Keterampilan Generik sains, Lembar kerja siswa, Praktikum IPA.

Indah Sari Mardana. 2020. *Development of Student Worksheets Based on Generic Science Skills Through Natural Sciences Practicum*. Thesis, Study Program Science Education, Faculty of Education, Trunojoyo University, Madura. Supervisor 1 Laila Khamsatul Muharrami and Supervisor II Mochammad Yasir.

ABSTRACT

This study aims to determine the feasibility, readability, and response of students to student work sheets. The formulation problem from this research is how the feasibility, readability and response of students developing worksheets for practicum students based on generic science skills, research Using 4D development models include Define, Design, Develop, Disseminate and Generic science skills. The population in the study were eighth grade students of SMP PGRI 4 Waru Sidoarjo. The research sample was 15 students of class VIII. Based on the results of the study obtained an average value of the feasibility the media from the validation test was 0.88% declared feasible to use without revision (valid), and the reliability test was 93% declared very good, the average material worthiness of the results of the validity test was 0.83 % declared worthy of use without revision (valid) and the reliability test was 91% declared very good, readability was 93.35% declared very good, student responses were 87.91% stated good. It was concluded that the development of student worksheets based on generic science skills through science labs was appropriate to be used as teaching material in the learning process.

Keywords: Generic Science skills, Student worksheets.