

ABSTRAK

Lamtiurma, NIM 4183341048 (2018). Pengembangan LKPD Berbasis Saintifik Untuk Meningkatkan Sikap Peduli Lingkungan Siswa Pada Materi Keanekaragaman Hayati Kelas X SMAN 1 Pangururan T.P 2022/2023.

Penelitian ini bertujuan untuk mengetahui kelayakan dari pengembangan Lembar Kerja Peserta Didik berbasis saintifik pada materi keanekaragaman hayati berdasarkan ahli materi, ahli pembelajaran, ahli desain, tanggapan guru biologi, respon siswa dan keefektifan LKPD bagi siswa X SMAN 1 Pangururan berjumlah 34 orang. Jenis penelitian ini merupakan penelitian *Research & Develpoment* (R&D) menggunakan model 4D. Instrumen yang digunakan dalam penelitian ini terdiri dari angket validasi ahli materi, ahli pembelajaran, ahli desain, tanggapan guru biologi, respon siswa terhadap LKPD berbasis saintifik dan instrumen tes. Teknik analisis data yang digunakan dalam penelitian ini adalah deskriptif. Hasil penelitian ini adalah angket penilaian ahli materi dengan persentase skor 88,46%, angket penilaian ahli pembelajaran dengan persentase skor 88,46%, angket penilaian ahli desain dengan persentase skor 94,23%, angket tanggapan guru biologi dengan persentase skor 92,31%, dan angket respon siswa dengan persentase skor 89,71%. Jika disesuaikan dengan tabel kriteria kelayakan maka skor yang dicapai termasuk kriteria Sangat Layak. Hasil analisis efektivitas LKPD terhadap hasil belajar dan sikap peduli lingkungan siswa termasuk kategori Sedang dengan skor *N-Gain* rata-rata 0,64 dan 0,68.

Kata-kata kunci: *Pengembangan, LKPD, Saintifik, Keanekaragaman Hayati*

ABSTRACT

Lamturma, NIM 4183341048 (2018). Development of Scientific-Based LKPD to Improve Environmental Care Attitudes in Class X Biodiversity Materials at SMAN 1 Pangururan T.P 2022/2023.

This study aims to determine the feasibility of developing scientific-based Student Worksheets on biodiversity material based on material experts, learning experts, design experts, biology teacher responses, student responses and the effectiveness of LKPD for students X SMAN 1 Pangururan totaling 34 people. This type of research is a Research & Development (R&D) research using a 4D model. The instruments used in this study consisted of a material expert validation questionnaire, learning experts, design experts, biology teacher responses, student responses to scientifically based worksheets and test instruments. The data analysis technique used in this research is descriptive. The results of this study are a material expert assessment questionnaire with a percentage score of 88.46%, a learning expert assessment questionnaire with a percentage score of 88.46%, a design expert assessment questionnaire with a percentage score of 94.23%, a biology teacher response questionnaire with a percentage score of 92.31 %, and student response questionnaires with a percentage score of 89.71%. If it is adjusted to the table of eligibility criteria, the score achieved includes the Very Eligible criteria. The results of the analysis of the effectiveness of LKPD on learning outcomes and students' environmental care attitudes are in the Medium category with an average N-Gain score of 0.64 and 0.68.

Keywords: *Development, LKPD, Scientific, Biodiversity*