ABSTRAK

Syika Chaira Salsa Nasution, NIM 4213341020 (2026). Pengembangan Lembar Kerja Peserta Didik Berbasis Mini Riset Pada Pembelajaran Materi Keanekaragaman Hayati di SMA Negeri 4 Medan T.P. 2025/2026

Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Peserta Didik (LKPD) berbasis mini riset pada materi Keanekaragaman Hayati serta mengetahui tingkat kelayakan LKPD, respon guru, dan efektivitas penggunaannya terhadap hasil belajar peserta didik. Penelitian ini dilaksanakan di SMA Negeri 4 Medan pada peserta didik kelas X. Jenis penelitian yang digunakan adalah penelitian dan pengembangan (*research and development*) dengan menggunakan model pengembangan ADDIE yang meliputi tahap analisis (*analysis*), perancangan (*design*), pengembangan (*development*), implementasi (*implementation*), dan evaluasi (*evaluation*). Instrumen penelitian yang digunakan terdiri atas lembar angket penilaian ahli materi dan ahli pembelajaran, angket respon guru, serta tes hasil belajar peserta didik. Hasil validasi menunjukkan bahwa LKPD berbasis mini riset memperoleh kategori sangat layak berdasarkan penilaian ahli materi dengan persentase 81,66% dan ahli pembelajaran memperoleh kategori sangat layak dengan persentase 91,66%. Respon guru terhadap penggunaan LKPD berada pada kategori sangat layak dengan persentase (95,83%). Efektivitas penggunaan LKPD ditinjau dari hasil belajar peserta didik menunjukkan adanya peningkatan hasil belajar setelah penerapan LKPD berbasis mini riset dengan nilai 0,79 (79%) terbukti efektif yang dianalisis menggunakan uji *N-Gain*. Berdasarkan hasil kelayakan ahli, respon guru, dan efektivitas hasil belajar, dapat disimpulkan bahwa LKPD berbasis mini riset pada materi Keanekaragaman Hayati layak dan efektif digunakan pada pembelajaran biologi.

Kata kunci: LKPD, Mini Riset, Keanekaragaman Hayati, Efektivitas

ABSTRACT

Syika Chaira Salsa Nasution, Student ID Number 4213341020 (2026). Development of Student Worksheets Based on Mini Research in Teaching Biodiversity at State Senior High School 4 Medan Academic Year 2025/2026

This study aims to develop Student Worksheets (LKPD) based on mini research on the subject of Biodiversity and to determine the feasibility of the LKPD, teacher response, and the effectiveness of its use on student learning outcomes. This study was conducted at SMA Negeri 4 Medan on 10th grade students. The type of research used was research and development using the ADDIE development model, which includes the stages of analysis, design, development, implementation, and evaluation. The research instruments used consisted of a questionnaire for subject matter experts and learning experts, a teacher response questionnaire, and a student learning outcome test. The validation results showed that the mini-research-based LKPD was categorized as very feasible based on the assessment of subject matter experts with a percentage of 81.66% and learning experts with a percentage of 91.66%. Teachers' responses to the use of LKPD were in the very feasible category with a percentage of 95.83%. The effectiveness of LKPD use in terms of student learning outcomes showed an increase in learning outcomes after the application of mini-research-based LKPD with a value of 0.79 (79%), which was proven to be effective when analyzed using the *N-Gain* test. Based on the results of expert feasibility, teacher response, and learning effectiveness, it can be concluded that mini-research-based LKPD on biodiversity material is feasible and effective for use in biology learning.

Keywords: LKPD, Mini Research, Biodiversity, Effectiveness