

ABSTRAK

Mia Farida. 1162060064 : “Pengembangan Lembar Kegiatan Peserta Didik Berbasis P5-PPRA Pada Materi Keanekaragaman Makhluk Hidup, Interaksi, Dan Peranannya Di Alam”

Pengembangan Lembar Kegiatan Peserta Didik (LKPD) berbasis P5-PPRA sesuai dengan kebutuhan peserta didik untuk mengimplementasikan kurikulum merdeka dalam pembelajaran biologi. Penelitian ini bertujuan untuk mengetahui langkah-langkah rancangan LKPD, validitas, dan keterbacaan LKPD berbasis P5-PPRA dalam materi keanekaragaman makhluk hidup, interaksi, dan peranannya di alam. Metode penelitian yang digunakan yaitu *Research and Development (R&D)* dengan tahapan *define, design, dan develop (3D)*. Penelitian dilaksanakan di MAN 2 Kota Bandung. Data dikumpulkan menggunakan angket (lembar validasi dan lembar keterbacaan peserta didik), serta wawancara tidak terstruktur. Subjek dalam penelitian terdiri dari tiga orang validator ahli dan 10 orang peserta didik kelas X IPA atau fase E. Hasil penelitian menunjukkan bahwa hasil uji validasi oleh ahli materi sebesar 70%, hasil uji validasi ahli media sebesar 74% dan validasi guru mata pelajaran biologi 84%. Secara keseluruhan hasil uji validasi yaitu 76% dinyatakan layak. Hasil uji keterbacaan keseluruhan LKPD oleh peserta didik yaitu 3,2 dinyatakan baik. Berdasarkan uji validitas dan uji keterbacaan LKPD berbasis P5-PPRA pada materi keanekaragaman makhluk hidup, interaksi dan peranannya di alam layak digunakan dalam proses pembelajaran.

Kata kunci: Keanekaragaman Makhluk Hidup, LKPD, Pengembangan, P5-PPRA.

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Development of student worksheet (LKPD) based on P5-PPRA is in accordance with the needs of students to implement the independent curriculum in biology learning. This study aims to determine the steps of LKPD design, validity, and readability LKPD based on P5-PPRA in the material of biodiversity, interactions, and their role in nature. The research method used is Research and Development (R&D) with the stages of define, design, and develop (3D). The research was conducted at MAN 2 Kota Bandung. Data were collected using a questionnaire (validation sheet and student readability sheet), and unstructured interviews. The subjects in the study consisted of three expert validators and 10 students of class X IPA or phase E. The results showed that the results of the validation test by material experts were 70%, the results of the media expert validation test were 74% and the biology teacher validation was 84%. Overall the validation test results of 76% were declared feasible. The results of the overall readability test of LKPD by students are 3.2 declared good. Based on the validity test and the P5-PPRA-based LKPD readability test on the material of the diversity of living things, their interactions and roles in nature are suitable for use in the learning process.

Keyword: Biodiversity, Development, P5-PPRA, Student Worksheet,

