

## ABSTRAK

Fitriana. 2026. Pengembangan LKPD Berbasis Problem-based learning Bermuatan Isu-Isu Lokal pada Materi Ekologi dan Keanekaragaman Hayati Indonesia di Kelas VII. Skripsi. Tanjungpinang. Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Elfa Oprasamani, S.Pd., M.Pd. Pembimbing II: M. Pemberdi Intasir, M.Pd.

**Kata kunci:** LKPD, *Problem-based learning*, materi ekologi dan keanekaragaman hayati Indonesia

Materi ekologi dan keanekaragaman hayati Indonesia merupakan materi yang membahas tentang hubungan antara lingkungan dan makhluk hidup serta keragaman hayati di Indonesia yang memperkenalkan aspek dampak lingkungan terhadap organisme, ekosistem. Penelitian ini bertujuan untuk menghasilkan LKPD berbasis problem-based learning bermuatan isu-isu lokal pada materi ekologi dan keanekaragaman hayati Indonesia di kelas VII yang valid. Penelitian pengembangan (research and development) menggunakan tiga dari lima tahapan model ADDIE, yaitu analyze, design, dan development. Pengumpulan data pada tahap analisis dilakukan dengan wawancara guru, angket pra-penelitian, studi literatur, serta analisis kurikulum dan materi menggunakan lembar checklist. Analisis kebutuhan dan karakteristik peserta didik dilakukan menggunakan kuesioner. Pada tahap development, data diperoleh dari uji validasi menggunakan lembar validasi materi dan media skala Likert. Data dianalisis secara kuantitatif untuk menentukan tingkat validitas serta secara kualitatif berdasarkan saran dan komentar validator. Hasil validasi menunjukkan bahwa LKPD berbasis *problem-based learning* bermuatan isu-isu lokal pada materi ekologi dan keanekaragaman hayati Indonesia di kelas VII memperoleh persentase validitas materi sebesar 90,25% dengan kriteria sangat valid dan validitas media sebesar 87,25% dengan kriteria sangat valid. Berdasarkan hasil tersebut, LKPD yang dikembangkan dinyatakan sangat valid secara teoretis dan layak pada tahap pengembangan.

## ABSTRACT

Fitriana. 2026. Development of Problem-based learning Student Worksheets Incorporating Local Issues on Ecology and Indonesian Biodiversity Materials for Grade VII. Undergraduate Thesis. Tanjungpinang. Biology Education Study Program, Faculty of Teacher Training and Education, Universitas Maritim Raja Ali Haji. Supervisor I: Elfa Oprasamani, S.Pd., M.Pd. Supervisor II: M. Pemberdi Intasir, M.Pd.

**Keywords: Student Worksheets, Problem-based learning, ecology and Indonesian biodiversity**

Ecology and Indonesian biodiversity were learning materials that discussed the relationships between the environment and living organisms as well as the diversity of life in Indonesia, introducing aspects of environmental impacts on organisms and ecosystems. This study aimed to produce a problem-based learning student worksheet incorporating local issues on ecology and Indonesian biodiversity for Grade VII that was valid. This research and development study employed three of the five stages of the ADDIE model, namely analyze, design, and development. Data collection at the analysis stage was conducted through teacher interviews, pre-research questionnaires, literature studies, and curriculum and material analysis using checklist sheets. The analysis of students' needs and characteristics was carried out using questionnaires. At the development stage, data were obtained from validation testing using material and media validation sheets based on a Likert scale. The data were analyzed quantitatively to determine the level of validity and qualitatively based on suggestions and comments from the validators. The validation results showed that the problem-based learning student worksheet incorporating local issues on ecology and Indonesian biodiversity for Grade VII obtained a material validity percentage of 90.25%, categorized as very valid, and a media validity percentage of 87.25%, also categorized as very valid. Based on these results, the developed student worksheet was considered theoretically very valid and feasible at the development stage.