ABSTRAK

Nurani, Manja. 2025. Pengembangan *E*-LKPD PBL (*Problem-Based Learning*) bermuatan Etnosains pada Materi Persebaran Flora dan Fauna di Kepulauan Riau. Skripsi. Tanjungpinang. Jurusan Pendidikan Biologi. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Adam Fernando, S.Pd., M,Pd. Pembimbing II: Dios Sarkity, S.Pd., M.Pd.

Kata kunci : *E*-LKPD, *Problem Based Learning* (PBL), Etnosains.

Penelitian ini bertujuan menghasilkan E-LKPD berbasis Problem-Based Learning (PBL) bermuatan etnosains pada materi persebaran flora dan fauna di Kepulauan Riau yang valid dan praktis. Penelitian ini merupakan penelitian pengembangan menggunakan model ADDIE yang dibatasi pada empat tahap, yaitu analyze, design, development, dan implementation. Teknik pengumpulan data pada tahap analisis dilakukan melalui wawancara, observasi, dan kuesioner dengan instrumen berupa angket, lembar checklist, dan studi literatur. Uji validitas dilakukan menggunakan angket validasi media dan materi. Analisis data kebutuhan peserta didik dilakukan dengan menghitung persentase jawaban, sedangkan analisis validitas media dan materi menggunakan skala Likert untuk menentukan tingkat kelayakan. Hasil validasi materi tahap I oleh dua validator memperoleh rata-rata 97,13%, dan tahap II oleh satu validator memperoleh rata-rata 94,25% dengan kategori sangat valid. Validasi media tahap I memperoleh rata-rata 76,28% dan meningkat pada tahap II menjadi 92,63% dengan kategori sangat valid. Uji praktikalitas menunjukkan hasil sebesar 100% oleh guru dan 90,29% oleh peserta didik dengan kategori sangat praktis. Dengan demikian, E-LKPD PBL bermuatan etnosains pada materi persebaran flora dan fauna di Kepulauan Riau dinyatakan sangat valid dan praktis. Penelitian ini berimplikasi pada pengembangan bahan ajar yang bervariasi dan berpotensi melatih kompetensi sains apabila dilanjutkan pada tahap uji efektivitas.

ABSTRACT

Nurani, Manja. 2025. *The Development of an Ethnoscience-Based PBL (Problem-Based Learning) E-LKPD on the Topic of Flora and Fauna Distribution in the Riau Archipelago*. Undergraduate Thesis. Tanjungpinang: *Department of Biology Education, Faculty of Teacher Training and Education,* Raja Ali Haji Maritime University. Advisor Adam Fernando, S.Pd., M.Pd. Co-Advisor Dios Sarkity, S.Pd., M.Pd.

Keywords: E-LKPD, Problem Based Learning (PBL), Ethnoscience.

This study aimed to develop an E-LKPD based on Problem-Based Learning (PBL) integrated with ethnoscience on the topic of flora and fauna distribution in the Riau Islands that is valid and practical. This research employed a development method using the ADDIE model, limited to four stages: analyze, design, development, and implementation. Data collection at the analysis stage was conducted through interviews, observations, and questionnaires using instruments in the form of questionnaires, checklists, and literature studies. Validity data were collected using media and content validation questionnaires. Data analysis of students' needs was carried out by calculating the percentage of responses, while media and content validity were analyzed using a Likert scale to determine feasibility. The results of content validation in the first stage by two validators showed an average score of 97.13%, while the second-stage validation by one validator obtained an average score of 94.25%, both categorized as very valid. Media validation in the first stage obtained an average score of 76.28% and increased to 92.63% in the second stage, categorized as very valid. The practicality test results showed a score of 100% from teachers and 90.29% from students, both categorized as very practical. Therefore, the PBL-based E-LKPD integrated with ethnoscience on flora and fauna distribution in the Riau Islands is considered very valid and practical. This study implies that the developed E-LKPD has the potential to enrich learning materials and train students' scientific competencies if further research is conducted at the effectiveness testing stage.