

ABSTRAK

Sumandya, Esa Aulia. 2025. Pengembangan E-LKPD Menggunakan Model *Problem Based Learning* pada Materi Statistika Kelas VIII SMP. Skripsi. Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I : Mariyanti Elvi, S.Pd., M.Pd. Pembimbing II: Dra. Linda Rosmery. T, M.Si.

Kata kunci: E-LKPD, *problem based learning*, statistika.

Penelitian ini didasari oleh peserta didik yang kurang aktif dalam pembelajaran serta penggunaan buku paket yang belum optimal dalam mendorong kemampuan pemecahan masalah siswa. Hal ini berdasarkan hasil observasi dan wawancara yang dilakukan peneliti dengan peserta didik dan guru matematika SMP Negeri 12 Tanjungpinang. Oleh karena itu, peneliti mengembangkan media pembelajaran berbentuk E-LKPD menggunakan model *problem based learnig* pada materi statistika kelas VIII SMP. Penelitian ini bertujuan untuk menghasilkan E-LKPD berbasis PBL yang valid dan praktis. Jenis penelitian yang digunakan adalah penelitian dan pengembangan (*Research and Development*) dengan model ADDIE (*Analyze, Design, Development, Implementation, Evaluation*). Subjek penelitian meliputi seorang guru matematika di SMP Negeri 12 Tanjungpinang dan 33 peserta didik. Berdasarkan hasil analisis validitas dan praktikalitas, validasi oleh ahli materi mendapatkan persentase 86,60%, yang termasuk dalam kategori "valid". Sementara itu, validasi oleh ahli media memperoleh persentase 90,00%, juga termasuk kategori "sangat valid". Dari segi praktikalitas, hasil angket respon guru dan siswa menunjukkan persentase 90,00% dan 90,91%, yang dikategorikan "sangat praktis". Dengan demikian, dapat disimpulkan bahwa E-LKPD menggunakan model *problem based learnig* yang dikembangkan dinyatakan valid dan praktis untuk digunakan dalam pembelajaran.

ABSTRACT

Sumandya, Esa Aulia. 2025. *Development of E-Worksheets Using the Problem-Based Learning Model on Statistics Material for Eighth Grade Junior High School Students*. Thesis. Mathematics Education Study Program, Faculty of Teacher Training and Education. Raja Ali Hajj Maritime University. Advisor I : Mariyanti Elvi, S.Pd., M.Pd., Advisor II: Dra. Linda Rosmery. T, M.Si.

Keywords: *E-LKPD, problem based learning, Statistics.*

This research is based on students who are less active in learning and the use of textbooks that are not optimal in encouraging students problem solving abilities. This is based on the results of observations and interviews conducted by researchers with students and mathematics teachers of SMP Negeri 12 Tanjungpinang. Therefore, researchers developed learning media in the form of E-LKPD using a problem-based learning model on statistics material for grade VIII SMP. This study aims to produce a valid and practical PBL-based E-LKPD. The type of research used is research and development (R&D) with the ADDIE model (Analyze, Design, Development, Implementation, Evaluation). The research subjects included a mathematics teacher at SMP Negeri 12 Tanjungpinang and 33 students. Based on the results of the validity and practicality analysis, validation by material experts obtained a percentage of 86.60%, which is included in the "valid" category. Meanwhile, validation by media experts obtained a percentage of 90.00%, also included in the "very valid" category. In terms of practicality, the results of the teacher and student questionnaire responses showed a percentage of 90.00% and 90.91%, respectively, which is categorized as "very practical." Thus, it can be concluded that the E-LKPD using the problem based learning model developed is valid and practical for use in learning.