

ABSTRAK

Hafiza, Melsy Nurul. 2026. *Pengembangan E-LKPD Berbasis Problem-Based Learning Dilengkapi dengan Infografis tentang Materi Sistem Peredaran Darah Manusia untuk Siswa Kelas VIII*. 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: Assoc. Prof. Dr. Dra. Hj. Nevrita, M.Pd., M.Si.

Kata kunci: E-LKPD, *Problem-Based Learning*, Infografis.

Penelitian ini bertujuan untuk menghasilkan *e-LKPD* berbasis *problem-based learning* dilengkapi dengan infografis tentang materi sistem peredaran darah manusia untuk siswa kelas VIII yang valid. Penelitian ini merupakan penelitian pengembangan yang mengacu tiga dari lima tahap model pengembangan ADDIE yang mencakup tahap: 1) *Analyze*, 2) *Design*, 3) *Development*. Penelitian ini dibatasi sampai dengan tahap *Development*, sehingga tahap *Implementation* dan *Evaluation* yang meliputi uji praktikalitas dan efektivitas tidak dilakukan. Teknik pengumpulan data pada tahap analisis dilakukan melalui kuesioner berupa angket dan lembar centang, serta studi literatur. Teknik pengumpulan data pada tahap validitas dilakukan melalui angket yang meliputi lembar uji validitas media dan lembar uji validitas materi. Teknik analisis data yang dilakukan terhadap kebutuhan peserta didik diperoleh dari persentase seluruh jawaban peserta didik. Analisis data terhadap skor hasil validasi media dan materi dilakukan dengan menggunakan skala Likert, yang kemudian diolah untuk menentukan persentase kelayakannya. Berdasarkan hasil penelitian yang diperoleh, maka dapat disimpulkan bahwa *e-LKPD* berbasis *problem-based learning* dilengkapi dengan infografis tentang materi sistem peredaran darah manusia untuk siswa kelas VIII dinyatakan sangat valid. Implikasi dari penelitian ini menunjukkan bahwa *e-LKPD* berbasis *problem-based learning* ini berpotensi menjadi salah satu inovasi bahan ajar digital yang dapat mendukung implementasi pembelajaran berbasis masalah pada materi sistem peredaran darah manusia.

ABSTRACT

Hafiza, Melsy Nurul. 2026. *Development of a Problem-Based Learning-Based E Worksheet Equipped with Infographics on the Human Circulatory System Material for Grade VIII Students*. 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: Assoc. Prof. Dr. Dra. Hj. Nevrita, M.Pd., M.Si.

Keywords: E-Worksheet, Problem-based Learning, Infographics.

This study aimed to produce a problem-based learning (PBL) based e-LKPD equipped with infographics on the topic of the human circulatory system for eighth-grade students that was valid. This study was a development research referring to three out of five stages of the ADDIE development model, which included: 1) Analyze, 2) Design, and 3) Development. This research was limited to the Development stage; therefore, the Implementation and Evaluation stages, including practicality and effectiveness testing, were not conducted. Data collection techniques at the analysis stage were carried out through questionnaires in the form of survey sheets and checklists, as well as literature studies. Data collection techniques at the validity stage were conducted using questionnaires consisting of media validation sheets and material validation sheets. Data analysis of students' needs was obtained from the percentage of all students' responses. Data analysis of media and material validation scores was conducted using a Likert scale, which was then processed to determine the feasibility percentage. Based on the results obtained, it was concluded that the PBL-based e-LKPD equipped with infographics on the topic of the human circulatory system for eighth-grade students was categorized as highly valid. The implication of this study indicated that the developed PBL-based e-LKPD had the potential to become an innovative digital teaching material that could support the implementation of problem-based learning in teaching the human circulatory system.