

## ABSTRAK

**CHASSEY WIDYA DAMANIK, NIM 4183341037 (2018). Pengembangan Lembar Kerja Peserta Didik (LKPD) Interaktif Berbasis Problem Based Learning (PBL) Pada Materi Fungi Kelas X IPA SMA Negeri 4 Medan T.P 2022/2023.**

Penelitian ini bertujuan untuk merancang dan menghasilkan Lembar Kerja Peserta Didik (LKPD) interaktif berbasis Problem Based Learning (PBL) pada materi fungi. Desain penelitian yang digunakan adalah jenis penelitian dan pengembangan. Subjek dalam penelitian ini adalah Ahli Materi, Ahli Pembelajaran, Ahli Desain, Guru Bidang Studi Biologi dan peserta didik kelas X IPA-1 SMA NEGERI 4 Medan. Pengumpulan data dilakukan dengan instrumen berupa lembar validasi dan lembar tanggapan/respon. Analisis data yang digunakan adalah analisis deskriptif kuantitatif dan kualitatif. Perancangan LKPD interaktif berbasis PBL menggunakan model pengembangan model 4-D yaitu yang terdiri dari tahap Define, Design, Development, dan Disseminate. Penelitian ini hanya dilakukan sampai tahap development. Hasil penelitian pengembangan LKPD interaktif berbasis PBL berdasarkan penilaian ahli materi diperoleh persentase rata-rata 96,1% dengan kriteria sangat layak, penilaian ahli pembelajaran diperoleh rata-rata persentase 97,2% dengan kriteria sangat layak, penilaian ahli desain diperoleh rata-rata persentase 85% dengan kriteria sangat layak, penilaian guru biologi diperoleh rata-rata persentase 96,8% dengan kriteria sangat layak, dan hasil tanggapan peserta didik diperoleh rata-rata persentase 98,03% dengan kriteria sangat layak. Hasil dari keterampilan memecahkan masalah pada aktivitas LKPD didapatkan kriteria baik sehingga sesuai dengan isi konten LKPD interaktif berbasis *problem based learning* (PBL).

**Kata Kunci:** LKPD, PBL, 4-D, Keterampilan memecahkan masalah

## ABSTRACT

**CHASSEY WIDYA DAMANIK, NIM 4183341037 (2018). Development of Interactive Student Worksheets (LKPD) Based on Problem Based Learning (PBL) in Class X Science Fungi Materials at SMA Negeri 4 Medan T.P 2022/2023.**

This study aims to design and produce an interactive Student Worksheet (LKPD) based on Problem Based Learning (PBL) on fungi. The research design used is the type of research and development. The subjects in this study were Material Experts, Learning Experts, Design Experts, Biology Study Teachers and students of class X IPA-1 SMA NEGERI 4 Medan. Data collection was carried out with instruments in the form of validation sheets and response sheets. The data analysis used is quantitative and qualitative descriptive analysis. The design of PBL-based interactive worksheets uses a 4-D model development model, which consists of the Define, Desing, Development, and Disseminate stages. This research was only carried out until the development stage. The results of the research on developing PBL-based interactive worksheets based on the assessment of material experts obtained an average percentage of 96.1% with very feasible criteria, learning expert assessments obtained an average percentage of 97.2% with very feasible criteria, design expert assessments obtained an average percentage 85% with very decent criteria, the assessment of biology teachers obtained an average percentage of 96.8% with very decent criteria, and the results of student responses obtained an average percentage of 98.03% with very decent criteria. The results of problem-solving skills in LKPD activities obtained good criteria so that they are in accordance with the content of the interactive problem-based learning (PBL)-based LKPD content

**Keyword :** *LKPD, PBL, 4-D, Problem solving skills*

