

## ABSTRAK

**Bertha Marlini Saragih, NIM 4202411015 (2024). Pengembangan LKPD Berbasis *Problem Based Learning* Dengan Bantuan Canva Untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa Kelas VIII Pada Materi Bangun Ruang Sisi Datar.**

Penelitian ini bertujuan untuk menghasilkan Lembar Kerja Peserta Didik berbasis *Problem Based Learning* dengan bantuan canva untuk meningkatkan kemampuan pemecahan masalah matematis siswa. Penelitian ini menggunakan model pengembangan ADDIE yang terdiri atas 5 tahap yaitu analisis (*Analyze*), perancangan (*Design*), pengembangan (*Development*), implementasi (*Implementation*), dan evaluasi (*Evaluation*). Subjek yang digunakan dalam penelitian ini adalah siswa/I kelas VIII UPT SMP N 37 Medan sebanyak 30 orang. Hasil penelitian menunjukkan bahwa 1) LKPD berbasis PBL yang dikembangkan dinyatakan valid dengan skor rata-rata 4,25 dan validasi Rencana Pelaksanaan Pembelajaran (RPP) dengan rata-rata 4,24 termasuk dalam kriteria valid; 2) LKPD berbasis PBL dinyatakan praktis, dengan rata-rata hasil angket respon siswa 3,51 dan rata-rata hasil angket respon guru 3,6 tergolong dalam kategori praktis; 3) LKPD berbasis PBL yang dikembangkan dinyatakan efektif dengan rata-rata peningkatan dari hasil *pretest* ke hasil *posttest* sebesar 27,41; 4) Kemampuan pemecahan masalah matematis siswa mengalami peningkatan. Peningkatan kemampuan pemecahan masalah matematis siswa dilihat berdasarkan *n gain*, diperoleh skor sebesar 0,66 dengan kategori sedang.

**Kata Kunci :** Pengembangan LKPD, Problem Based Learning, Kemampuan Pemecahan Masalah Matematis.

## ABSTRACT

**Bertha Marlini Saragih, NIM 4202411015 (2024). Developing student worksheets based on problem-based learning with the help of Canva to improve the mathematical problem-solving abilities of class VIII students on flat-sided geometric material.**

This research uses the ADDIE development model which consists of 5 stages, namely analysis, design, development, implementation, and evaluation. The subjects used in this research were 30 students of class VIII UPT SMP N 37 Medan. The research results showed that 1) developed problem-based learning student worksheets were declared valid with an average score of 4.25 and the validation of the Learning Implementation Plan with an average of 4.24 was included in the valid criteria; 2) developed problem-based learning student worksheets were declared practical, with an average student response questionnaire result of 3.51 and an average teacher response questionnaire result of 3.6 belonging to the practical category; 3) developed problem-based learning student worksheets was declared effective with an average increase from pretest results to posttest results of 27.41 and an N-Gain score of 0.66 in the medium category; 4) Students' mathematical problem solving ability has increased. The increase in students' mathematical problem solving ability is seen based on n gain, obtained a score of 0.66 in the medium category.

**Keywords:** Development of student worksheets, Problem-Based Learning, Mathematical Problem Solving Ability.