

ABSTRACT

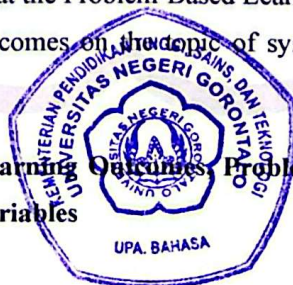
Nurwahida Ahmad, Student ID Number: 411420100. Implementation of the Problem-Based Learning (PBL) Model to Improve Students' Mathematics Learning Outcomes on the Topic of Systems of Linear Equations in Two Variables in Grade VIII at MTs Al-Mabrur Bone Raya. Study Program of Mathematics Education, Department of Mathematics, Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Gorontalo, 2025.

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This study aims to improve students' mathematics learning outcomes through the use of the Problem-Based Learning (PBL) model on the topic of systems of linear equations in two variables. The study employed a Classroom Action Research (CAR) approach, involving 19 eighth-grade students of MTs Al-Mabrur Bone Raya as the study subjects. The study was conducted over two cycles, following the stages of planning, implementation, observation, and reflection.

In the first cycle, observational data on teacher and student activities showed an average rating of "fairly good," and students' learning outcomes indicated that 63.2% (12 out of 19 students) met or exceeded the minimum mastery criteria. Since the success indicators were not yet achieved, the study continued to the second cycle with several improvements. In the second cycle, observations showed an improvement to a "good" average rating for both teacher and student activities. Moreover, student learning outcomes improved, with 84.2% (16 out of 19 students) meeting or exceeding the minimum mastery criteria. Based on these results, it can be concluded that the Problem-Based Learning (PBL) model can effectively improve student learning outcomes on the topic of systems of linear equations in two variables.

Keywords: Mathematics Learning Outcomes, Problem-Based Learning, Systems of Linear Equations in Two Variables



LEMBAR PENGESAHAN SKRIPSI

Skripsi yang berjudul : "**Penerapan Model *Problem Based Learning* (PBL) Untuk Meningkatkan Hasil Belajar Matematika Siswa Pada Materi Sistem Persamaan Linear Dua Variabel Di Kelas VIII MTs Al-Mabrur Bone Raya**"

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Hari/Tanggal : Selasa, 3 Juni 2025

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