

ABSTRACT

REGINA PRISILYA PODUNGGE. 2025. *Development of Student Worksheets Using an Open-Ended Problem Approach on the Topic of Systems of Linear Equations in Two Variables for Grade VIII Students at SMP N 2 Telaga Biru.* Study Program of Mathematics Education, Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Negeri Gorontalo. The Principal Supervisor is Dr. Majid, M.Pd., and the Co-Supervisor is Bertu Rianto Takaendengan, M.Pd.

This study aims to develop student worksheets (LKPD) based on an open-ended problem approach for the topic of systems of linear equations in two variables (SPLDV) for Grade VIII students at SMP N 2 Telaga Biru. The development model used is ADDIE (Analysis, Design, Development, Implementation, Evaluation). Data analysis techniques include validation results, readability tests, teacher assessment questionnaires, and student response questionnaires. The expert validation results indicate that the developed worksheets are valid, with an average score of 80.56% (valid category). The readability test shows a percentage of 93.63% (highly appropriate category), the student response questionnaire reached 97.31% (very practical category), and the teacher assessment scored 91.66% (very practical category). The results indicate that the developed worksheets using the open-ended problem approach are feasible, practical, and capable of enhancing students' creativity and engagement in learning the topic of systems of linear equations in two variables (SPLDV). Therefore, these worksheets are expected to serve as alternative teaching materials that support students' competency achievement in mathematics learning.

Keywords: Student Worksheet, Open-Ended Problem, Systems of Linear Equations in Two Variables



LEMBAR PENGESAHAN SKRIPSI

Skrripsi yang berjudul: "Pengembangan Lembar Kerja Peserta Didik dengan Pendekatan *Open-Ended Problem* Materi Sistem Persamaan Linear Dua Variabel Kelas VIII di SMP N 2 Telaga Biru"

Oleh

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Hari/Tanggal : Kamis, 12 Juni 2025
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