

ABSTRAK

Windarti 2025, “Penerapan Model *Problem Based Learning* Untuk Meningkatkan Kemampuan Berpikir Kreatif Matematis Siswa Pada Materi Sistem Persamaan Linear Dua Variabel (Suatu Penelitian Pada Siswa Kelas VIII-B SMP IT Albina Kota Ternate Tahun Ajaran 2024/2025) di bawah bimbingan **Ahmad Afandi, S.Pd.,M.Pd.** dan **Dr. Ardiana, M.Si.**

Penelitian ini bertujuan untuk mengetahui 1) Kemampuan berpikir kreatif matematis siswa pada materi persamaan linear dua variabel, 2) Penerapan model *Problem Based Learning* dapat meningkatkan kemampuan berpikir kreatif matematis siswa pada materi persamaan linear dua variabel, 3) Peningkatan kemampuan berpikir kreatif matematis siswa setelah diterapkan model *Problem Based Learning* pada materi persamaan linear dua variabel.

Desain penelitian ini menggunakan *One Group Pretest-Posttest Design*, menunjukan signifikan sampel Siswa Kelas VIII-B SMP IT Albina Kota Ternate Tahun Ajaran 2024/2025. Teknik pengumpulan data menggunakan instrumen tes. Sedangkan teknik analisis data menggunakan analisis dekriptif dan analisis inferensial.

Hasil penelitian ini menunjukan bahwa 1) kemampuan berpikir kreatif matematis siswa berdasarkan model *Problem Based Learning* yaitu Siswa dengan kemampuan berpikir kreatif matematis kategori sangat kreatif ada 9 siswa, dengan 7 siswa kategori kreatif dan 5 siswa dalam kategori cukup kreatif. 2) Terdapat peningkatan kemampuan berpikir kreatif matematis siswa setelah diterapkan model *Problem Based Learning* pada materi persamaan linear dua variabel, dan 3) peningkatan kemampuan berpikir kreatif matematis siswa setelah diterapkan model *Problem Based Learning* pada materi persamaan linear dua variabel dalam kategori sedang.

Kata kunci: *Problem Based Learning*, kemampuan berpikir kreatif matematis, persamaan linear dua variabel.

ABSTRACT

Windarti 2025, “Implementation of Problem Based Learning model to improve students mathematical creative thinking skills on the material of two-variable linear equation systems” (A Research on Class VIII-B Students of SMP IT Albina Ternate City Academic Year 2024/2025) Under the Guidance of **Ahmad Afandi, S.Pd.,M.Pd.** and **Dr. Ardiana, M.Si.**

This study aims to determine 1) Students mathematical creative thinking abilities on the material of two-variable linear equation systems, 2) The application of the Problem Based Learning model can improve students mathematical creative thinking abilities on the material of two-variable linear equation systems, 3) The increase in students mathematical creative thinking abilities after the application of the Problem Based Learning model on the material of two-variable linear equation systems.

This research design uses One Group Pretest-Posttest Design, showing a significant sample of class VIII-B Students of SMP IT Albina Ternate City, Academic Year 2024/2025. Data collection techniques use descriptive analysis and inferential analysis.

The results of this study indicate that 1) Students mathematical creative thinking abilities based on the Problem Based Learning model are that there are 9 students with very creative mathematical creative thinking abilities, 7 students in the creative category and 5 students in the fairly creative category. 2) There is an increase in students mathematical creative thinking abilities after the application of the Problem Based Learning model to the material on two-variable linear equation systems, and 3) There is an increase in students mathematical creative thinking abilities after the application of the Problem Based Learning model to the material on two-variable linear equation systems in the moderate category.

Keywords: *Problem Based Learning, mathematical creative thinking skills, two-variable linear equation system.*