

## ABSTRAK

Rosalita, Chynsa Bella 2022. *Efektivitas Model Pembelajaran Problem Based Learning Terhadap Kemampuan Pemahaman Konsep Matematika Ditinjau Dari Kecerdasan Emosional Siswa*. Skripsi. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya, Pembimbing Dr. H. Sunyoto Hadi Prayitno, S.T., M.Pd.

Kata Kunci : *Problem Based Learning, Kemampuan Pemahaman Konsep, Kecerdasan Emosional*

Penelitian ini bertujuan untuk mengetahui efektif tidakkah penggunaan model *Problem Based Learning* terhadap kemampuan pemahaman konsep matematika ditinjau dari kecerdasan emosional siswa pada materi bentuk aljabar kelas VII SMP Muhammadiyah 13 Surabaya.

Populasi dan Sampel yang digunakan adalah kelas VIIA SMP Muhammadiyah 13 Surabaya dengan penerapan model *PBL* Metode penelitian yang digunakan pada penelitian ini adalah penelitian kuantitatif dengan desain *Pre-Experimental Design*. Teknik pengumpulan data yang digunakan adalah lembar observasi, kuesioner dan tes hasil belajar siswa.

Dari hasil analisis data menunjukkan bahwa: (1) Hasil data kemampuan peneliti dalam pembelajaran menggunakan model *PBL* didapatkan rata-rata keseluruhan pertemuan yaitu 3,34 sehingga dikategorikan baik. (2) Hasil aktivitas siswa terhadap keterlaksanaannya pembelajaran menggunakan model *PBL* diperoleh rata-rata keseluruhan pertemuan yaitu 80,35% sehingga dikategorikan tinggi. (3) Berdasarkan hasil ketuntasan klasikal kelas VIIA didapatkan 86,7% dapat dikatakan tes hasil belajar siswa terhadap pemahaman konsep matematika ditinjau dari kecerdasan emosional dinyatakan tuntas. (4) Berdasarkan hasil respon siswa kelas VIIA adalah 91,11% dapat dikatakan respon siswa positif ketika diajar oleh peneliti menggunakan model *PBL*. Maka dapat disimpulkan bahwa

model *PBL* efektif terhadap kemampuan pemahaman konsep matematika ditinjau dari kecerdasan emosional siswa kelas VIIA di SMP Muhammadiyah 13 Surabaya tahun ajaran 2021/2022.

## ABSTRACT

Rosalita, Chynsa Bella 2022. *The Effectiveness of Problem Based Learning Learning Models on Understanding Mathematical Concepts in terms of Students' Emotional Intelligence*. Essay. Mathematics Education Study Program. Faculty of Science and Technology. PGRI Adi Buana University Surabaya, Advisor Dr. H. Sunyoto Hadi Prayitno, ST., M.Pd.

Keywords: *Problem Based Learning, Understanding Concept Understanding, Emotional Intelligence*

This study aims to determine whether the use of the Problem Based Learning model is effective or not on the ability to understand mathematical concepts in terms of students' emotional intelligence in the algebraic form of class VII SMP Muhammadiyah 13 Surabaya.

The population and sample used were class VIIA SMP Muhammadiyah 13 Surabaya with the application of the PBL model. The research method used in this study was quantitative research with Pre-Experimental Design. Data collection techniques used were observation sheets, questionnaires and student learning outcomes tests.

From the results of data analysis shows that: (1) The results of the data on the ability of researchers in learning using the PBL model obtained an overall average of 3.34 meetings so that it is categorized as good. (2) The results of student activities on the implementation of learning using the PBL model obtained an overall average of 80.35% so that it was categorized as high. (3) Based on the results of classical completeness class VIIA obtained 86.7% it can be said that the test of student learning outcomes on understanding mathematical concepts in terms of emotional intelligence is declared complete. (4) Based on the results of the response of class VIIA students is 91.11%, it can be said that the student's response is positive when taught by researchers using the PBL model. So it can be concluded that the PBL model is effective on the ability to understand mathematical concepts in terms of the

emotional intelligence of class VIIA students at SMP Muhammadiyah  
13 Surabaya in the 2021/2022 academic year.