

## **ABSTRAK**

### **Sri Putri Pajariah, NIM 4203111108 (2024). Penerapan Model Problem Based Learning Berbantu Articulate Storyline untuk Meningkatkan Kemampuan Pemecahan Masalah Siswa Kelas XI di SMAN 2 Tanjung Morawa**

Tujuan dari penelitian ini adalah untuk melihat peningkatan kemampuan pemecahan masalah di kelas XI SMA Negeri 2 Tanjung Morawa dengan menggunakan model Problem Based Learning dengan berbantu media Articulate Storyline. Fokus penelitian ini ialah kemampuan pemecahan masalah siswa kelas XI-2 SMA Negeri 2 Tanjung Morawa, yang terdiri dari 34 siswa. Penelitian ini menerapkan model Problem Based Learning dengan berbantu media Articulate Storyline untuk meningkatkan kemampuan pemecahan masalah matematis siswa. Studi tindakan kelas ini dilakukan selama dua siklus. Hasil tes kemampuan awal menunjukkan bahwa siswa sangat kurang dalam menyelesaikan suatu permasalahan matematika, dengan rata-rata 51,65 dan hanya 2 orang siswa dari 34 siswa yang mencapai target keberhasilan (5,88%). Berdasarkan hasil analisis tes data siklus I, siswa yang memperoleh nilai ketuntasan sebanyak 13 orang siswa (38,23%) dan memperoleh rata-rata 67,64. Pada siklus II siswa memperoleh nilai rata-rata sebesar 81,25 dan jumlah siswa yang mengalami ketuntasan nilai klasikal sebesar 30 orang (88,23%). Oleh karena itu, dapat disimpulkan bahwa salah satu cara untuk meningkatkan kemampuan pemecahan masalah siswa adalah dengan menerapkan model problem based learning dengan berbantu media Articulate Storyline.

**Kata Kunci : *Problem Based Learning, Articulate Storyline, Pemecahan Masalah***

## ABSTRACT

**Sri Putri Pajariah, NIM 4203111108 (2024). Implementation of Problem Based Learning Model Assisted by Articulate Storyline to Improve Problem Solving Ability of Grade XI Students at SMAN 2 Tanjung Morawa**

The purpose of this study was to see the improvement of problem solving ability in grade XI of SMA Negeri 2 Tanjung Morawa by using the Problem Based Learning model assisted by Articulate Storyline media. The focus of this study is the problem solving ability of grade XI-2 students of SMA Negeri 2 Tanjung Morawa, consisting of 34 students. This study applies the Problem Based Learning model assisted by Articulate Storyline media to improve students' mathematical problem solving ability. This classroom action study was conducted for two cycles. The results of the initial ability test showed that students were very lacking in solving a mathematical problem, with an average of 51.65 and only 2 students out of 34 students achieved the success target (5.88%). Based on the results of the analysis of the test data of cycle I, students who obtained a passing grade were 13 students (38.23%) and obtained an average of 67.64. In cycle II, students obtained an average score of 81.25 and the number of students who experienced classical passing grades was 30 people (88.23%). Therefore, it can be concluded that one way to improve students' problem-solving abilities is to apply the problem-based learning model with the help of Articulate Storyline media.

**Keywords:** *Problem Based Learning, Articulate Storyline, Problem Solving*