

ABSTRAK

Ria Elisabeth Marpaung, NIM 4181111047 (2022). Penerapan Model Pembelajaran *Problem Based Learning* untuk Meningkatkan Kemampuan Literasi Matematis Siswa Kelas XI SMAN 2 Binjai

Penelitian ini memiliki tujuan untuk mengetahui penerapan model pembelajaran *Problem Based Learning* dapat meningkatkan kemampuan literasi matematis siswa kelas XI SMAN 2 Binjai pada materi pokok program linear. Siswa kelas XI IPA 4 di SMAN 2 Binjai sebanyak 35 siswa merupakan subjek dari penelitian ini dan kemampuan literasi matematis siswa dengan menerapkan model pembelajaran *Problem Based Learning* merupakan objek dari penelitian ini. Teknik pengumpulan data yang digunakan adalah tes dan non tes berupa tes kemampuan literasi matematis dan observasi. Penelitian ini merupakan Penelitian Tindakan Kelas yang dilaksanakan sebanyak 2 siklus. Hasil analisis data diperoleh pada siklus I sebanyak 23 peserta didik (65,71%) memiliki kemampuan literasi matematis dalam kategori minimal cukup dengan rata-rata kelas 71,05 lalu meningkat pada siklus II yaitu 30 peserta didik (85,71%) memiliki kemampuan literasi matematis dalam kategori minimal cukup dengan rata-rata kelas 80. Hasil observasi guru dalam pembelajaran diperoleh nilai rata-rata 2,48 (cukup) pada siklus I dan 3,3 (baik) pada siklus II. Maka, dari hasil tersebut diperoleh hasil tes kemampuan literasi matematis peserta didik meningkat di setiap siklusnya, minimal 85% siswa di kelas mencapai skor kemampuan literasi matematis ≥ 70 dan hasil skor observasi guru adalah ≥ 3 . Jadi, dapat disimpulkan bahwa dengan menerapkan model pembelajaran *Problem Based Learning* dapat meningkatkan kemampuan literasi matematis siswa kelas XI IPA 4 di SMAN 2 Binjai.

Kata Kunci : Kemampuan literasi matematis, model pembelajaran *Problem Based Learning* (PBL)

ABSTRACT

Ria Elisabeth Marpaung, NIM 4181111047 (2022). Application of Problem Based Learning Model to Improve Mathematical Literacy Skills for Class XI SMAN 2 Binjai

This study aims to determine the Problem Based Learning model can develop mathematical literacy skills of class XI students of SMAN 2 Binjai on the subject matter of linear programming. The students of class XI IPA 4 at SMAN 2 Binjai are 35 students who are the subjects of this research and the level of students mathematical literacy skills by applying the Problem Based Learning learning model are the objects of this research. The data collection technique used was a test and a non-test in the form of a mathematical literacy ability test and observation . This study is Classroom Action Research which is carried out in 2 cycles. The results of data analysis showed that in the cycle I there were 23 students (65.71%) who got mathematical literacy skills in the minimal category enough with a class average of 71.05 and increased in the cycle II, namely 30 students (85.71%) who got mathematical literacy skills in the category of at least enough with a class average of 85.71. Judging from the results of teacher observations in learning show that the average value of 2.48 (enough) in the first cycle and 3.3 (good) in the second cycle. From these results, the results of the mathematical literacy ability test of students increase in each cycle, at least 85% of students in the class achieve a mathematical literacy score ≥ 70 and the result of the teacher's observation score ≥ 3 . So, it can be concluded that by applying the Problem learning model Based Learning can improve the mathematical literacy skills of class XI IPA 4 students at SMAN 2 Binjai.

Keyword : *Mathematical literacy, Problem Based Learning (PBL) model*

