

CHAPTER V CLOSING

5.1 Conclusions

The research entitled "The Effect of Problem-Based Learning on Mathematical Literacy of Students at SMP Negeri 3 Medan" concluded that the problem-based learning model could improve students' mathematical literacy skills. This can be seen from the average value of the experimental class before treatment was 49, while the average value of the experimental class after treatment was 72. From the results of the average difference test using paired t-test, the $t_{arithmetic}$ value is 8,44, and the t_{table} is 2,13 at a significance level of 5%. Because $t_{arithmetic} > t_{table}$, the null hypothesis is rejected and the alternative hypothesis is accepted, so it can be interpreted that problem-based learning models affect students' mathematical literacy.

There are five stages in the problem-based learning model. The stages in the learning model can assist students in mastering indicators of mathematical literacy. These stages also train students' mathematical literacy to improve students mathematical literacy skills.

5.2 Recommendation

1. Teachers

For teachers, especially mathematics teachers at SMP Negeri 3 Medan, it is hoped that teachers will pay attention to the problem of mathematical literacy skills on all math topics to achieve good student mathematical literacy skills. teachers also have to design learning processes that can improve students' mathematical literacy skills and train students to get used to working on questions that can improve students' mathematical literacy skills.

2. Researchers

For other researchers who will use this topic in their further research, it is expected to equip them with the ability to apply problem-based learning as well as possible so the implementation and the result will be better.



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