

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### 5.1. Conclusion

Based on the results of the analysis and discussion, the research found that students' mathematical problem solving abilities were learning taught using the Problem-Based Learning (PBL) model had an average value of 27.63. Meanwhile, the mathematical problem solving abilities of students were learning taught using conventional learning model had an average value of 21.7. For the t-test result is  $t_{count} > t_{table} = 12,214 > 2.002$ , then  $H_0$  is rejected and  $H_a$  is accepted. So, it can be concluded that there is an effect of the Problem-Based Learning (PBL) model on students' mathematical problem-solving ability of class VIII at SMP Negeri 35 Medan.

#### 5.2. Suggestion

Based on the research results that have been obtained, the researcher would like to provide several suggestions, including:

##### 1. Teacher

- a. The use of the Problem-Based Learning (PBL) model is an alternative that can be used in delivering learning material to train students' problem solving abilities or to train students to understand knowledge of the material that has been taught.
- b. Train students' ability to calculate and it is best to prepare and test pre-requisite material first before learning new material. This is expected to improve students' mathematical problem solving abilities.
- c. At the stage of guiding the investigation for individuals/groups to be effective, teachers should ask lots of questions that are sufficient to arouse students' enthusiasm for inquiry relating to the given problem can provoke

students to think about problems and information needed to be able to solve the problem.

## 2. School

School administrators should be able to provide support in terms of maximizing school facilities and infrastructure so that teachers can implement various types of learning strategies, for example PBL.

## 3. Next Researchers

The researcher's suggestions for further research, especially mathematics education students, are to research more deeply into students' mathematical problem solving abilities and a variety of other learning methods that are more interesting and can improve students' abilities.