

## **CHAPTER V**

### **CONCLUSION AND SUGGESTIONS**

#### **5.1 Conclusion**

The conclusions of this study are based on the findings of the data of the researchers, the systematics of the survey is carried out with attention to the purpose of the study that has been formulated. As for the conclusions obtained among others:

- 1) There is an influence of the use of the PBL model on the problem-solving ability of students of class VII on environmental pollution material SMPN 27 Medan. The problem-solving ability of class students using the PBL model is higher compared to the problem-solving ability with conventional learning.
- 2) Students' problem-solving ability using the PBL model on environment pollution material increased, the pre-test score was 31.69, and the post-test score was 79.62, with an n-gain of 70% in the medium category showing an increase in student problem-solving ability.
- 3) Students' problem-solving ability using conventional learning is increased from a pre-test score was 31.37, and a post-test value was 52.85, with an n-gain of 31% in the low category showing an increase in student problem-solving ability.

#### **5.2 Suggestion**

The PBL model is good for use and application in classroom learning. Authentic problem-solving presented in the application of the PBL model is the key to implementing learning. Suggestions to future researchers who will apply the PBL model are:

- 1) Researchers consider that the material presented by applying the PBL model must present authentic problems.
- 2) Researchers must prepare practical tools and materials before conducting learning.