

## **CHAPTER V**

### **CONCLUSIONS AND SUGGESTION**

#### **5.1. Conclusions**

Based on the results of the analysis and discussion in this study, presented several conclusions as follows.

1. This research has produced a product of mathematics model of PISA on content quantity for class VIII SMP student which valid and effective. Valid is illustrated by the validators' validation scores, where all validators claim to be good based on content (as per the basic competence, and indicators) of constructs (in accordance with PISA theory and criteria), and language (in accordance with applicable language rules). And effective based on field test results.
2. The instrument based on realistic mathematical approach developed has fulfilled the effective category in terms of: (1) students' learning mastery in a classical way, there are (85,71%) students are complete and as many as 5 people (14.29%) students who are not complete; (2) The achievement of goal completion in accordance with the advice given by the validator, (3) The time is reached if the time does not exceed the specified time; and (4) Student response give positive response to instrument component developed.
3. Mathematical problem solving abilities of students based on realistic mathematical approach using instrument tools developed categorized moderate that is 78,34%
4. The characteristics instrument tool in the form of an effective problem in improving students' mathematical problem solving abilities include: a) containing contextual issues that are responsive to the child's culture, b) not using long sentences, c) loading pictures, and d) answer the problem on the problem should not single or use an Open-Ended problem.

## 5.2. Suggestion

based on the results of research and conclusions above, it can be suggested some things as follows.

1. Math teacher should use mathematics model device PISA content quantit model that has been made as an alternative in the improvement of learning evaluation so that it can be used to train students' mathematical problem solving skills.
2. Students can use the PISA model to train and familiarize themselves with the literacy problems which are increasingly being developed by world educators.
3. Other researchers can be inputs for in-depth study of mathematical problems. If doing a similar research with this research, it is suggested when the product trial phase in the subject of research, try to ask the teacher of mathematics subject to accompany the research.