

## CHAPTER V

### CONCLUSSIONS AND SUGGESTIONS

#### 5.1 Conclusion

Based on the research and discussion, in the previous section can be concluded that the implementation of problem based learning model with open-ended approach can improve students' mathematical creative thinking ability. The increasing is explained as follows, after giving action in cycle I the number of students who reached minimum score 2,51 were 14 or 47% of students, then in cycle II the number of students who reach minimum score 2,51 increased to be 23 or 77% of students. So the improvement of students between cycle I and cycle II is 9 or 30% students.

#### 5.2 Suggestions

Based on these reseearch discussion and finding, the researchers suggests something below :

1. The advantages of problem based learning model is that students can solve a problem that indirectly gives satisfaction to students in finding new knowledge. Therefore in implementation of learning by using this model, it is expected that teacher gives a problem in the form of SAS that can arouse students' enthusiasm in learning and challenge the ability of students to find new knowledge.
2. The weakness of problem based learning model is that it takes a lot of time in implementation, so it is expected that teachers who will implement this model in the learning can choose the right materials and prepare the learning tools as possible to maximize learning outcomes.
3. In implementation of action research, lesson plan and SAS should be prepared as possible because lesson plan and SAS are a very important tools in implementation the action research.
4. In the implementation of problem based learning model, teachers are expected to share the group evenly and with a small amount so that

during the learning process each group is conducive and every individual took part in the group.

5. In learning, teacher activity has a great influence on student learning outcomes, so it is expected that teachers who will implement this model can use the time as effectively as possible and as long as students investigate the problem, the teacher helps equally each group.
6. For the next researcher is expected to study the learning model of problem based learning model with open-ended approach to increase mathematical creative thinking ability of students with other materials.