

CHAPTER V

CONCLUSIONS AND SUGGESTIONS

5.1 Conclusions

Based on the research result and discussion, the conclusions of this research are:

1. Implementation of problem based learning model with scientific approach in this research generally is started by posing problem in initial learning. In problem posing is happened observation activity by students and questioning activities by teacher and students. The activities of questioning and observing are first and second step of scientific approach. The next stage of PBL is organizing students to learn, teacher grouped students and asked them to collect information and process data. The activities of collecting and processing data are the third and fourth step in scientific approach. The third stage is guiding investigation individual/group. Teacher guided students who difficult to learn. The fourth stage is presentation. In this stage teacher asked some groups to present their result of discussion in front of class. This activity is the last activity in scientific approach. And the last stage of PBL is to analyze and evaluate the results of the discussion / problem-solving process performed by the students. Teacher and students analyze and evaluate together the problem-solving process.
2. Problem based learning model with scientific approach can improve students' mathematical creative thinking ability. The increasing is explained as follow, the number of students who reached minimum score 2.33 in initial study is 0 or 0.0%, after giving action in cycle 1, number of students who got minimum score 2.33 were 5 from 38 students or 13.2%, then in cycle 2, the number of students who got minimum score 2.33 increased to be 22 from 38 students or 57.9%.

5.2. Suggestions

Based on the research discussion and finding, the researcher suggests something below to:

1. Learning through problem based learning model with a scientific approach includes a series of stages are quite long, so, teachers and students should set the exact time that each stage can be solved perfectly.
2. To support learning activities should be the needs of the equipment and learning resources can be equipped specifically to support the learning of mathematics.
3. In the implementation of the action research on the activities of reflection and analysis of the results of each cycle to note also the students' understanding of the learning material presented seen from the test results of students and teachers how to deliver learning material, which is expected for the next cycle of learning materials previously been completed to be able to deliver further learning materials.
4. Students must be active to interact in learning activity so that will have social skills in cooperate, share tasks, responsible, and appreciate other suggestions.
5. For the next researcher is expected to study the learning model of problem based learning with scientific approach to increase mathematical creative thinking ability of students with other materials.