

CHAPTER V

CONCLUSIONS AND SUGGESTIONS

5.1. CONCLUSION

Based on the analysis and discussion of research results on class VII at SMP-IT Khairul Imam Academic Year 2013/2014 which has been described in the previous chapter, it can be concluded as follows:

1. The application of M-APOS learning model can improve mathematical problem solving ability than expository method. It seen from the data difference posttest and pretest between both classes, those in experimental class is 44,688 then in control class that is 29,589 so it can be concluded that the experimental class higher than control class.
2. Improved problem solving ability of students learning mathematics using M-APOS learning model is better than the students who are learning with expository method. It is seen from the results of analysis the difference data posttest-pretest between both classes that showed the improving the mathematics problem solving ability experimental classes are better than the control class.
3. Students that learn by M-APOS more active in the class than students learn by expository it can be seen from the activity in class discussion. Then it make there is a difference activity in the both classes. Students also make a classroom being conducive. It is seen from the observation sheet that observe by teacher in both classes.
4. Most students showed a positive attitude towards learning mathematics using a model of the M-APOS. This is supported by the results of a questionnaire data analysis has an average score above 3 and observer ratings in the observation sheet which gives the range of values between 3 (enough) and 4 (good) and shows that the most students responded positively to the learning by using M-APOS learning model.

5.2. SUGGESTION

Based on the research results and the conclusions obtained, and then some suggestions can be thought are as follows:

1. Because implementing of this research only three meetings, then another researcher or teacher are expected to continue this research to find more significant result.
2. To mathematics teacher, especially to mathematics teacher of SMP-IT Khairul Imam, implementation of M-APOS model can be one alternative to increase mathematics problem solving ability of student, especially in topic of Social Arithmetics.
3. To student, teacher and all school party in SMP-IT Khairul Imam, in order to keep trying to develop and to find creative innovation of mathematics learning especially that relates M-APOS Model.
4. To advance researcher, in order to make result and instrument in this research as consideration material to implement learning by using M-APOS model in topic of Social Arithmetics or another topic and can be developed for advance research.