

CHAPTER V

CONCLUSION

5.1 Conclusion

Based on the results and discussions that have been described, the following conclusions are obtained:

1. *Blended Learning Models* has a great influence on students' problem solving abilities based on the overall effect size calculation which produces an average effect size of 1.56 where this number is included in the very high category.
2. *Blended Learning Models* has a great influence on students' self-regulated learning based on the overall effect size calculation which produces an average effect size of 1.73 where this number is included in the very high category.
3. There is an increase in the students' problem-solving abilities and self regulated learning that are taught through *Blended Learning*. This can be seen from the achievement of indicators in the experimental class in the literature which is generally better than the control class.
4. Some of the advantages of blended learning that have been analyzed are as follows:
 - a. Learning occurs independently and conventionally, both of which have advantages that can complement each other.
 - b. Learning is more effective and efficient.
 - c. Improve accessibility. with Blended Learning, it is easier for learning participants to access material learning
5. Some of the disadvantages of blended learning that have been analyzed are as follows:
 - a. Not evenly distributed facilities owned by students, such as computers and internet access. Even though Blended Learning requires adequate internet access, if the network is inadequate it

will make it difficult for to take part in independent learning via online.

- b. Lack of public knowledge towards the use of technology.

5.2 Advice

Based on the research results that have been obtained, the researcher proposes several suggestions that can build in improving mathematics learning, namely:

1. For researchers who will conduct research, it is better to include all the research results found so that if other researchers want to take data from the study, the research data is not biased.
2. The Blended Learning model can be used as an alternative by teachers to be used in the learning process at school because the Blended Learning model has a positive influence on problem solving abilities.
3. The research described in the form of scientific journals can be maximized so that it can become a teacher's reference in innovating in the learning process in the classroom.