

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the result and discussion of research in the previous chapter, can be concluded that:

1. Students' problem solving ability of mathematics which taught by problem-based learning is higher than numbered heads together on the topic of statistics in grade XI SMA Negeri 2 Balige. The effect size of PBL is 0.5738 or 57.38% meanwhile the effect size of NHT is 0.4810 or 48.10%.
2. There is a difference of effect of students' problem solving ability of mathematics that using problem-based learning and numbered heads together on the topic of statistics in grade XI SMA Negeri 2 Balige. It is 11.18%.
3. Problem – based learning model has more significant effect to improve the students' common pattern to answer mathematics question which related to problem solving ability rather than numbered heads together.

5.2. Suggestion

Based on the conclusion and relevant study of this research, there are some suggestions as follows:

1. For mathematics teacher, to implement problem – based learning model in the learning activity such that students' problem solving ability can be increased significantly.
2. For students, to cooperate with teachers by following the steps of learning process and don't ignore the steps of problem solving ability.
3. For next researcher, to observe another students' ability of mathematics which can be affected by problem based learning model and another choices of learning model.
4. Because in this research the learning models are implemented to the topic of statistics, it is suggested to try another topic of mathematics and relate it to others factor which may influent students' learning outcomes.