# CHAPTER V
# CONCLUSION AND SUGGESTION

## 5.1. Conclusion

1. Problem Solving Skill student who given Problem Based Learning Model on Dynamic Electricity Topic in X grade at SMA Negeri 1 Panyabungan Academic Year 2016/2017 have initial ability 30.87 and 85.65 after student given treatment, there is 0.7 n gain (increased level) of problem solving skill and included as high category.
2. Problem Solving Skill student who given Conventional Learning there is 0.6 n gain (increased level) of problem solving skill and included as medium category. The initial ability 17.44 and 74.28 after student given conventional learning.
3. The value of posttest in experimental class is higher than control class, that is 85.65 and 74.44 with $t_{count} > t_{table} = 2.507 > 1,667$ with $\alpha = 0,05$, therefore, the experiment class is greater than control class. So, there is the effect of problem based learning towards student problem solving.

## 5.2. Suggestion

Based on conclusion, there are suggestion to next researcher, they are:

1. For the next researcher who wants to study problem based learning model, will be better ifprepare the problem that include as a contextual and authentic problem which are relate with the topic and it will be motivation to students follow the teaching and learning process.
2. Attention to the use of time in learning process for each phase, because it requires a lot of time, especially when students try to find their own information in experiment and discussion group.
3. For teacher will be better if using variaety model moreover problem based learning model to improve student knowledge.

4. For school will be able if giving more attention to laboratory intruments and giving facility to student and teacher, therfore the learning process to be meaningfull.

UNIVERSITAS NEGERI MEDAN
UNIMED
THE Character Building UNIVERSITY