

## **CHAPTER V**

### **CONCLUSION AND SUGGESTION**

#### **5.1 Conclusion**

The conclusion of this research is :

1. Student learning outcomes in Thermodynamics of the material by applying a model of problem-based learning in class XI SMAN 2 Kisaran Academic Year 2014/2015 before being given treatment the average value is 39.42 and after the treatment was given his average value become 66.51.
2. Student learning outcomes in Thermodynamics of the material by applying the model of konvensional class XI SMA Negeri 2 Kisaran Academic Year 2014/2015 before being given treatment the average value is 39.54 and after the treatment was given his average value become 57.37.
3. Based on the calculation of correlation test showed that the value from the correlation coefficient is 0.40 in the subject matter of thermodynamics class XI SMA Negeri 2 Kisaran semester II Academic Year 2014/2015. It shows that there was an effect problem based learning model for students learning outcomes.

#### **5.2 Suggestion**

Based on the results and conclusions in this research, the researchers have some advice, which is:

1. For the next research expected to add an observer in the classroom so that the activity of all students can be well observed.
2. For the next research is expected to use the problems that really real. So that students can understand the material that will be delivered well.
3. For the next research who want to investigate the same model is expected to be able to choose the topics of material and different schools.