

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the results of the research that has been done, the results of data analysis and hypothesis testing can be concluded that:

1. Student learning outcomes using a problem based learning model on static fluid topic in class XI MIA SMA Parulian 1 Medan have a difference in the value of 35.74. It can be seen that before the treatment was given the average pretest score in the experimental class was 35.74 and after the treatment the average posttest score was 70.93.
2. Student learning outcomes using conventional models on static fluid topic in class XI MIA SMA Parulian 1 Medan have a difference of 24.06 scores. It can be seen that before the treatment was given the average pretest score in the experimental class was 33.90 and after the treatment the average posttest score was 57.96.
3. The results of the hypothesis test results $t_{\text{count}} (4.88) > t_{\text{table}} (1.99)$. The conclusion, there is an effect of implementation the problem based learning model on student learning outcomes in static fluid topic.

5.2 Suggestion

Based on the conclusions above, as a follow-up to this research, several things are recommended:

1. To teachers who plan to use problem based learning models, prepare more authentic questions and use variations of learning media so that students are interesting and related to learning materials.
2. For further researchers who want to conduct research using a problem based learning model, it is better to understand each syntax, so that learning activities can take place properly..