

CHAPTER V

CONCLUSIONS AND SUGGESTIONS

5.1 Conclusion

The objectives of this research had been transformed to be problem statement which were then hypothesized. Based on the data analysis researcher concludes that:

1. Students' achievement of the class taught by using POGIL strategy with worksheet media based on lesson study on teaching colloidal system has higher significant difference compared to the class taught by using using direct instruction method in all of schools, where where the highest is at SMAN 3 Medan (0.86 ± 0.09) and the lowest is at SMAN 2 Medan (0.71 ± 0.13).
2. Students' interest of the class taught by using POGIL strategy with worksheet media based on lesson study on teaching colloidal system has higher significant difference compared to the class taught by using using direct instruction method in all of schools, where the highest are at SMA N 3 Medan (82,96) and SMA Swasta Raksana (80,25).
3. There is a positive and significant correlation between students' interest to students' achievement in both of class at all of schools.

5.2 Suggestion

Based on the data analysis, researcher suggests that:

1. The prospective teachers can use this research as a reference for doing the similar researches in order to increase students' achievement and interest either by applying appropriate learning model or using appropriate learning media.
2. The next researchers who will conduct could include additional variables which may give contribution to students' achievement and interest such as examining the implementation of POGIL strategy based on lesson study with worksheet media, virtual lab, video animation, etc.