

## CHAPTER V

### CONCLUSIONS AND SUGGESTIONS

#### 5.1 Conclusions

Based on the results of research and discussion that has been done, the following results are the conclusions:

1. Students' cognitive learning outcomes using RQA learning strategies assisted by Google Classroom on static fluid material in class XI SMA Negeri 1 Percut Sei Tuan increased by 21.3. This can be seen from before being given treatment the average pretest score was 54.35 with a standard deviation of 19.960 and after being given treatment the average post-test score was 75.65 with a standard deviation of 12.730.
2. Students' cognitive learning outcomes using expository learning strategies assisted by Google Classroom on static fluid material in class XI SMA Negeri 1 Percut Sei Tuan only increased by 5.50, where this increase was much lower than the experimental class. This can be seen from the average pretest score of 47.50 with a standard deviation of 22.213 and the average post-test score of 53.00 with a standard deviation of 16,890.
3. There is a significant effect of using Google Classroom-assisted RQA learning strategies on students' cognitive learning outcomes on static fluid material. This is shown by the significance value (Sig. 2-tailed) t-test of posttest data, which is  $0.00 < 0.05$ .

#### 5.2 Suggestions

Based on the results of the study and the conclusions above, the researchers gave some suggestions as follows:

1. Learning with the RQA learning strategy can be used as an alternative to learning physics.
2. This research was only conducted on the topic of Static Fluids using the RQA learning strategy. It is hoped that further research who will conduct the similar research but with different subject topic.

3. Learning activities using RQA learning strategies should need to be supported by media that are in accordance with the subject matter being studied, this aims to make it easier for students to understand the concepts in the material being taught.
4. Other researcher, who will conduct similar research, this study is expected to help and give more information about the use of RQA learning strategy assisted by Google Classroom towards to students' cognitive learning outcomes.

