

## **CHAPTER V**

### **CONCLUSIONS, IMPLICATIONS, AND RECOMMENDATIONS**

#### **5.1 Conclusions**

The findings of this research reveal that several conclusions address the following research questions:

1. The students' scientific attitude based on school type results in no significant difference between private and public schools. On the dimensions of curiosity, objectivity, and perseverance, students' level of achievement in private and public schools does not have a significant difference. Meanwhile, in the critical thinking and open mindedness dimensions, significant differences were found.
2. The achievement of scientific attitudes on female and male students is in the category showing no significant difference. Of the five dimensions in this study, there is only one dimension that has differences, namely the dimension of perseverance.
3. There is a significant difference in the level of scientific literacy among students in private and public schools. In terms of competences and knowledge, students in private schools outperform students in public schools in scientific literacy.
4. The achievement of scientific literacy based on gender in general did not significantly differ in this study. However, in a more in-depth analysis, it was found that female students outperformed the aspects of knowledge and attitude compared to male students.

#### **5.2 Implications**

Based on the result and discussion on students' scientific attitude and Students' scientific Literacy, it was showed that:

In terms of dimensions and aspects of scientific attitudes and scientific literacy, the teaching and learning process could be better do practical work because it is an opportunity to practice the application of science concepts that students

have learned during learning

### **5.3 Recommendation**

Based on the research that has been concluded, there is some recommendation for the students, teachers, and another researcher who can use and develop to the Educational field as follows:

#### 1) For the Students

According to the findings of this study, students in junior high school are expected to continue to enhance their scientific learning achievement. Learning science requires the understanding of content and the development of one's own attitudes.

#### 2) For the Teachers

Additional attention should be paid to assessing students' scientific attitudes and literacy. Students' attitudes about science learning at school are reflected in their scientific attitudes, requiring more attention. Similarly, scientific literacy is also in need of improvement.

#### 3) For the Another Researcher

The assessment of Students' Scientific Attitude and students' scientific literacy in this research is expected as a piece of basic information to the further research due to the innovation on improving the same variable. This study can be used as a reference for the relevant research. It is intended that the amount of statements on each indication and element of the questionnaire would receive more attention.