

## CHAPTER V CONCLUSIONS AND RECOMMENDATIONS

### 5.1 Conclusion

Based on the results and discussion, the following conclusions are:

1. Students' learning results with using Google Classroom on Animal Kingdom material in class X MIA SMA Negeri 10 Medan in the academic year 2020/2021 is 81.11.
2. Students' learning results with using WhatsApp Group on Animal Kingdom material in class X MIA SMA Negeri 10 Medan in the academic year 2020/2021 is 75.97.
3. Students' learning results with using Google Classroom is higher than WhatsApp Group on Animal Kingdom material in class X MIA SMA Negeri 10 Medan in the academic year 2020/2021 and significantly different at  $\alpha = 0.05$  with the value of  $t_{count} > t_{table}$  ( $2.568 > 2.028$ ).

### 5.2 Recommendations

Based on the results and discussions of this study, the recommendations from this study are as follows:

1. For student to be more aware that the use of Google Classroom and WhatsApp Group is effective in improving student learning results in biology subjects, students are expected to be able to optimize the use of both Google Classroom and WhatsApp Group in learning so as to increase understanding of biology material and motivate students to obtain good learning results.
2. For Teacher after knowing that the use of Google Classroom and WhatsApp Group is effective in improving student learning results in biology subjects, teachers are expected to increase their professionalism and creativity in teaching, namely by optimizing the use of technology-based learning facilities and matching the material being taught so as to improve better teaching methods.

3. For advanced researchers to be able to make like this research by comparing Learning System Management with other Learning System Management also in Animalia Kingdom material.



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