

CHAPTER V

CONCLUSION AND SUGGESTION

5.1 Conclusion

1. Students science process skills on the subject matter of momentum and impulse by using the Scientific Inquiry learning model assisted by the Algodoo Simulation obtain an average of 71,2.
2. Students science process skills on the subject matter of momentum and impulse by using conventional learning obtain an average of 65,4.
3. Student learning outcomes on the subject matter of momentum and impulse using the Scientific Inquiry learning model assisted by Algodoo Simulations obtain an average of 68,9.
4. Student learning outcomes on the subject matter of momentum and impulse using conventional learning obtain an average of 60,4.
5. There are differences in students' science process skills due to the influence of the Scientific Inquiry learning model assisted by Algodoo Simulation and conventional learning on the subject matter of momentum and impulse in class X SMA Negeri 5 Medan an Even Semester T.A. 2022/2023, with $t_{\text{count}} = 2.374 > t_{\text{table}} = 1,668$.
6. There are differences in student learning outcomes due to the influence of the Scientific Inquiry learning model assisted by Algodoo Simulation with conventional learning on the subject matter of momentum and impulse in class X SMA Negeri 5 Medan an Even Semester T.A. 2022/2023, with $t_{\text{count}} = 4,450 > t_{\text{table}} = 1,668$.

5.2. Suggestion

1. For teachers in the field of physics studies at SMA Negeri 5 Medan to be willing to try using the Scientific Inquiry learning assisted by Algodoo Simulations in carrying out learning activities as an alternative to improve student learning outcomes and science process skills.

2. For prospective teachers, especially physics teachers, it is also expected to use methods, models, and strategies that can involve students' learning activities, develop students science process capabilities and improve students learning outcomes, one of which is by implementing scientific inquiry learning assisted by the Algodoo simulation.
3. For further researchers, who want to conduct research using scientific inquiry learning with the Algodoo simulation, it is best to first master the syntax in learning and pay attention to time efficiency, so that all effective syntax and learning activities can take place properly.

