

ABSTRAK

Hani Diana Sipayung. Pengaruh Model Pembelajaran *Collaborative Inquiry* Terhadap Keterampilan 4C Siswa Di SMA. Tesis Medan. Program Studi Pendidikan Pascasarjana Universitas Negeri Medan, 2018.

Penelitian ini bertujuan untuk menganalisis pengaruh model pembelajaran *collaborative inquiry* dalam meningkatkan keterampilan 4C (*Collaboration, Communication, Critical Thinking and Creativity*) siswa untuk pembelajaran fisika pada materi impuls, momentum dan tumbukan. Populasi penelitian ini adalah seluruh siswa kelas X SMA Negeri 7 Medan semester II tahun ajaran 2017/2018. Teknik pengambilan sampel dalam penelitian menggunakan cluster random class, kelas eksperimen menggunakan model pembelajaran *collaborative inquiry* dan kelas kontrol menggunakan pembelajaran konvensional. Variabel dalam penelitian terdiri dari keterampilan 4C sebagai variabel terikat dan model *collaborative inquiry* sebagai variabel bebas. Data dalam penelitian ini dianalisis dengan menggunakan uji-t satu pihak. Hasil penelitian menunjukkan bahwa keterampilan 4C siswa dengan model pembelajaran *collaborative inquiry* lebih baik dibandingkan dengan keterampilan 4C siswa dengan pembelajaran konvensional.

Kata Kunci : *collaborative inquiry, collaboration, communication, critical thinking, creativity*



ABSTRACT

Hani Diana Sipayung. *Effect of Collaborative Inquiry Learning Model to 4C Student Skills In High School.* Thesis Medan. Postgraduate Education Program State University of Medan, 2018.

This study aims to analyze the effect of collaborative inquiry learning models in improving students' 4C (Collaboration, Communication, Critical Thinking and Creativity) skills for learning physics on impulses, momentum and collisions. The population of this study were all students of class X of SMA Negeri 7 Medan in the second semester of the 2017/2018 academic year. The sampling technique in this research used cluster random class, the experimental class used collaborative inquiry learning model and control class using conventional learning. The variables in the study consisted of 4C skills as dependent variables and collaborative inquiry models as independent variables. The data in this study were analyzed using one-party t-test. The results showed that students' 4C skills with collaborative inquiry learning models were better than students' 4C skills with conventional learning.

Keywords: *collaborative inquiry, collaboration, communication, critical thinking, creativity*

