

ABSTRAK

Agus Azhar Harahap (NIM.8136175001), Efek Model Pembelajaran *Inquiry Training* Berbasis *Collaborative* Terhadap Keterampilan Proses Sains dan Kognitif siswa SMK Negeri 1 Angkola Timur Kabupaten Tapsel T.A 2014 / 2015. Program Pascasarjana Universitas Negeri Medan 2015.

Penelitian ini bertujuan untuk mengetahui ada perbedaan kognitif siswa yang diajarkan dengan Model Pembelajaran *Inquiry Training* Berbasis *Collaborative* yang diajarkan kepada siswa kelas eksperimen dengan pembelajaran konvensional yang diajarkan pada kelas kontrol kemudian mengetahui ada perbedaan antara Keterampilan Proses Sains siswa yang diajarkan dengan model pembelajaran *Inquiry Training* Berbasis *Collaborative* dengan Keterampilan Proses Sains siswa yang diajarkan dengan pembelajaran konvensional.

Pengambilan sampel dilakukan dengan cara *cluster random sampling*, sampel diambil sebanyak 2 kelas. Satu kelas dijadikan sebagai kelas eksperimen yaitu kelas yang diajar dengan model *Inquiry Training Berbasis Collaborative* dan satu kelas lagi dijadikan sebagai kelas kontrol yaitu kelas yang diajar dengan pembelajaran *Konvensional*. Penelitian ini merupakan penelitian quasi eksperimen. Instrumen yang digunakan terdiri dari :Tes kemampuan kognitif siswa dan Deskriptor Keterampilan Proses Sains. Data dalam penelitian ini dianalisis dengan menggunakan analisis uji-t . Hasil penelitian ini menunjukkan bahwa : Ada perbedaan kemampuan kognitif siswa yang diajarkan dengan model pembelajaran *Inquiry Training* Berbasis *Collaborative* dengan pembelajaran konvensional. Perbedaannya diantaranya : pemahaman konsep dan kemampuan kognitif pada kelas Eksperimen yang diajarkan dengan model pembelajaran *Inkuiry Training Berbasis Collborative* tentu lebih baik daripada kelas kontrol dan ada perbedaan keterampilan proses sains siswa yang diajarkan dengan model pembelajaran *Inquiry Training* Berbasis *Collborative* dengan keterampilan proses sains siswa yang diajarkan pembelajaran konvensional.

Kata kunci :*Inquiry Training* Berbasis *Collaborative*, Keterampilan Proses Sains, Kognitif

ABSTRACT

Agus Azhar Harahap (NIM.81375001), The effect of Inquiry Learning Model-Based Training Collaborative Against Process Skills and Cognitive Science students of SMK Negeri 1 Angkola Eastern District Tapsel FY 2014/2015 Graduate Program, State University of Medan in 2015.

Research aims to determine the cognitive differences of students who are taught by the Inquiry Learning Model-Based Collaborative Training is taught to students with learning conventional experimental class taught in class to know control then there is a difference between Science Process Skills taught students with learning model Collaborative Inquiry-Based Training with the Science Process Skills students taught by conventional learning.

Sampling was done by cluster random sampling, samples were taken by 2 classes. One class used as experimental class is class taught by a model Inquiry Based Training Collaborative and one class again serve as the control class is the class that is taught by conventional teaching. This research is a quasi experimental. The instrument used consisted of: Tests students' cognitive abilities and Science Process Skills Descriptors. The data were analyzed using t-test analysis. These results indicate that: There are differences in cognitive abilities of students who are taught by learning model Inquiry Based Training Collaborative with conventional learning. The difference among them: an understanding of concepts and cognitive abilities in classes taught Experiment with learning model Inquiry Collaborative Based Training is certainly better than the control class and there is a difference in students' science process skills that are taught by the teaching model Inquiry-Based Training Collaborative with science process skills of students who were taught conventional learning.

Keyword : Collaborative Inquiry-Based Training, Science Process Skills, Cognitive