ABSTRAK

SANTY MENITULO MALAU. Pengaruh Model Pembelajaran Inkuiri Terbimbing Menggunakan *Adobe Flash* dan Kreativitas Terhadap Keterampilan Proses Sains Siswa. Tesis Medan. Program Studi Pendidikan Fisika Pascasarjana Universitas Negeri Medan, 2019.

Abstrak: Penelitian ini bertujuan untuk mengetahui perbedaan keterampilan proses sains fisika siswa dengan penerapan model pembelajaran inkuiri terbimbing menggunakan *adobe flash* dan model pembelajaran konvensional, untuk mengetahui perbedaan keterampilan proses sains siswa yang memiliki kreativitas di atas rata-rata dan kreativitas di bawah rata-rata, untuk mengetahui apakah ada interaksi antara model pembelajaran inkuiri terbimbing menggunakan *adobe flash* dan kreativitas dalam meningkatkan keterampilan proses sains siswa. Penelitian ini dilaksanakan di SMK Negeri 1 Setia Janji. Sampel penelitian ditentukan secara *cluster random sampling*, satu kelas sebagai kelas eksperimen dibelajarkan dengan model pembelajaran inkuiri terbimbing mengunakan *adobe flash* dan satu kelas kontrol dibelajarkan secara konvensional. Instrumen yang digunakan untuk penelitian ini yaitu tes essay berbasis keterampilan proses sains dan instrumen kreatifitas dalam bentuk uraian sebanyak 10 soal yang telah divalidkan.. Data yang dihasilkan dianalisis dengan menggunakan Anava dua jalur. Hasil penelitian menunjukkan bahwa keterampilan proses sains siswa yang dibelajarkan dengan model pembelajaran inkuiri terbimbing menggunakan *adobe flash* lebih tinggi daripada yang dibelajarkan secara konvensional, keterampilan proses sains siswa pada kelompok kreativitas di atas rata-rata lebih tinggi dibandingkan keterampilan proses sains siswa pada kelompok dengan kreativitas di bawah rata-rata, dan terdapat interaksi antara model pembelajaran inkuiri terbimbing menggunakan *adobe flash* dan pembelajaran konvensional dengan kreativitas terhadap keterampilan proses sains siswa.

Kata kunci : ***inkuiri terbimbing, adobe flash, kreativitas, keterampilan proses sains***

ABSTRACT

SANTY MENITULO MALAU. The Influence of the Guided Inquiry Learning Model Using Adobe Flash and Creativity on Students Science Process Skills. Medan Thesis. Postgraduate Physics Education Study Program Medan State University, 2019.

Abstract: This study aims to determine the differences in student's physical science process skills with the application of guided inquiry learning models using Adobe Flash and conventional learning models, to determine differences in science process skills of students who have creativity above average and creativity below average, to find out whether there is an interaction between the guided inquiry learning model using Adobe Flash and creativity in improving student's science process skills. This research was conducted at SMK Negeri 1 Setia Janji. The study sample was determined by cluster random sampling, one class as an experimental class was taught by guided inquiry learning model using adobe flash and one control class was taught conventionally. The instruments used for this study were essay based science process skills tests and creativity instruments in the form of descriptions of 10 validated questions. The resulting data were analyzed using two way Anava. The results showed that the science process skills of students who were taught with guided inquiry learning models using adobe flash were higher than those taught conventionally, the science process skills of students in the creativity group were above average higher than the science process skills of students in the group with creativity in below average, and there is an interaction between guided inquiry learning models using adobe flash and conventional learning with creativity towards student's science process skills.

Keywords: guided inquiry, adobe flash, creativity, science process skills