

ABSTRAK

NURAINI. NIM 0809725013. Pengaruh Penerapan Pendekatan *Open-Ended* Terhadap Tingkat Kreativitas, Kemampuan Pemecahan Masalah Matematika Dan Sikap Siswa SMP Di Aek Kanopan. Tesis. Medan: Program Studi Pendidikan Matematika Pascasarjana Universitas Negeri Medan, 2012.

Penelitian ini bertujuan untuk menelaah: (1) pengaruh penerapan pendekatan *open-ended* terhadap kreativitas matematika. (2) pengaruh penerapan pendekatan *open-ended* terhadap kemampuan pemecahan masalah matematika. (3) pengaruh penerapan pendekatan *open-ended* terhadap sikap siswa. (4) interaksi antara pembelajaran dengan kemampuan matematika siswa (tinggi, sedang, rendah) terhadap kreativitas. (5) interaksi antara pembelajaran dengan kemampuan matematika siswa (tinggi, sedang, rendah) terhadap kemampuan pemecahan masalah. Penelitian ini merupakan penelitian kuasi eksperimen. Populasi penelitian ini siswa SMP Negeri 1 Kualuh Hulu yang terakreditasi B. Pemilihan sampel dilakukan secara random dengan mengacak kelas. Instrumen yang digunakan terdiri dari: (1) tes kemampuan berpikir kreatif. (2) tes kemampuan pemecahan masalah, dengan pokok bahasan Prisma dan Limas dan (3) angket sikap siswa. Adapun tes yang digunakan untuk memperoleh data adalah berbentuk uraian. Data dalam penelitian ini dianalisis dengan menggunakan analisis statistik deskriptif dan analisis inferensial. Analisis deskriptif ditujukan untuk mendeskripsikan hasil proses pembelajaran siswa dengan pendekatan *open-ended*. Analisis inferensial data dilakukan dengan Analisis Kovarians (ANAKOVA). Hasil penelitian menunjukkan bahwa : (1) terdapat pengaruh peneapan pendekatan *open-ended* terhadap kreativitas matematika (2) terdapat pengaruh peneapan pendekatan *open-ended* terhadap kemampuan pemecahan masalah matematika.(3) terdapat pengaruh peneapan pendekatan *open-ended* terhadap sikap siswa.(4) Tidak terdapat Interaksi antara pembelajaran dengan kemampuan matematika siswa terhadap kreativitas. (5) Tidak terdapat interaksi antara pembelajaran dengan kemampuan matematika siswa terhadap kemampuan pemecahan masalah. Berdasarkan hasil penelitian ini, maka peneliti menyarankan pendekatan *open-ended* menjadi alternatif pembelajaran guna meningkatkan kreativitas, pemecahan masalah matematika dan sikap siswa.

ABSTRACT

NURAINI. NIM 0809725013. Learning Effect of Open-Ended Approach Against The Creativity, Problem Solving Ability of Mathematics and Student Attitudes Junior High School In Aek Kanopan. Thesis. Field: Mathematics Education Graduate Studies Program, State University of Medan, 2012.

This study was aimed to examine: (1) creative math students learning process open-ended approach. (2) mathematical problem-solving ability of students to the learning process open-ended approach. (3) students' attitudes toward the object of learning mathematics open-ended approach. (4) examine the interaction between learning with student ability to creativity skills. (5) examine the interaction between learning with student ability to problem-solving abilities. This study is a quasi-experimental research. The study population was students of SMP Negeri 1 Kualuh Hulu accredited B. Random sampling is done by randomizing the class. The instrument used consisted of: (1) test the ability to think creatively. (2) test problem-solving skills, with the subject of Prism and pyramid and (3) student attitude questionnaire. The tests used to obtain a description of the data is shaped. The data in this study were analyzed using descriptive statistical analysis and inferential analysis. Descriptive analysis is intended to describe the learning process students with open-ended approach. Inferential analysis of data performed by analysis of covariance (ANAKOVA). The results showed that: (1) there are influence of open-ended approach to mathematics creativity (2) there are influence of open-ended approach to mathematics problem solving ability,(3) there are influence of open-ended approach to student attitude,(4) there are no an interaction between learning with student ability to creativity ability (5) there are no an interaction between learning with student ability to problem-solving ability. Based on the results of this study, the researchers suggest open-ended approach to learning alternatives to enhance creativity, problem solving in mathematics and students' attitudes.