

## ABSTRAK

### **Desi Lumban Batu (135050055). Penerapan Model Pembelajaran *Osborn* untuk Meningkatkan Kemampuan Berpikir Kreatif Matematis dan *Self-Confidence* Siswa SMP.**

Matematika merupakan salah satu mata pelajaran pokok yang diajarkan di setiap jenjang pendidikan. Kemampuan berpikir kreatif matematis dan *Self-confidence* sangat diperlukan siswa dalam memahami matematika. Penelitian ini dilatarbelakangi oleh kemampuan berpikir kreatif matematis dan *Self-confidence* siswa SMP masih rendah. Salah satu alternatif pembelajaran yang dapat meningkatkan kemampuan berpikir kreatif matematis adalah model pembelajaran *Osborn*. Penelitian bertujuan untuk mengetahui 1) Apakah peningkatan kemampuan berpikir kreatif matematis siswa yang mendapat model pembelajaran *Osborn* lebih baik daripada siswa yang mendapat model pembelajaran konvensional dan 2) Apakah *Self-confidence* siswa yang mendapat model pembelajaran *Osborn* lebih baik daripada siswa yang mendapat model pembelajaran konvensional. Penelitian ini merupakan penelitian eksperimen, dimana populasinya adalah siswa kelas VIII SMP Pasundan 2 Bandung. Adapun desain penelitian yang digunakan adalah desain kelompok kontrol pretes-postes. Sampel yang terpilih adalah kelas VIII-B sebagai kelas eksperimen dan kelas VIII-E sebagai kelas kontrol. Instrumen yang digunakan dalam penelitian berupa tes tipe uraian soal-soal kemampuan berpikir kreatif matematis dan skala *Self-confidence* yang menggunakan model Skala Likert. Analisis data dilakukan dengan menggunakan program *SPSS 18.0 for Windows*. Berdasarkan analisis data, diperoleh kesimpulan: 1) Peningkatan kemampuan berpikir kreatif matematis siswa yang mendapat model pembelajaran *Osborn* lebih baik daripada siswa yang mendapat model pembelajaran konvensional; 2) *Self-confidence* siswa yang mendapat model pembelajaran *Osborn* lebih baik daripada siswa yang mendapat model pembelajaran konvensional. Sehingga model pembelajaran *Osborn* dapat dijadikan alternatif bagi guru dalam melaksanakan pembelajarannya untuk menciptakan suasana belajar yang aktif, efektif dan menyenangkan.

**Kata kunci:** Berpikir Kreatif Matematis, Pembelajaran *Osborn*, *Self-confidence*.

## ABSTRACT

**Desi Lumban Batu (135050055). Application of Osborn Learning Model to Improve the Ability of Mathematical Creative Thinking and Self-Confidence of Junior High School Students.**

Mathematics is one of the main subjects taught in every level of education. The ability to think creatively and mathematically as well as self-confidence are needed by students in understanding mathematics. This research is motivated by the ability of mathematical creative thinking and Self-confidence of junior high school students that are still low. One of the alternative learnings that can improve the ability of mathematical creative thinking is Osborn learning model. The research aims to find out 1) Whether the improvement of mathematical creative thinking ability of students who receive the Osborn learning model is better than the students' who receive the conventional learning model and 2) Whether the self-confidence of students who get the Osborn learning model is better than the students' who get the conventional learning model. This study is an experimental research, where the population is students of eighth grader of SMP Pasundan 2 Bandung. The design of the research used is the design of pretest-postes control group. The selected sample is students of class VIII-B as the experimental class and class VIII-E as the control class. The instrument used in the research is a type of test description of the problem of mathematical creative thinking ability and scale of Self-confidence using Likert Scale model. Data analysis was performed using SPSS 18.0 for Windows program. Based on data analysis, it can be concluded that: 1) Improvement of mathematical creative thinking ability of students who receive Osborn learning model is better than the students' who receive conventional learning model; 2) The self-confidence of students who receive the Osborn learning model is better than the students' who receive the conventional learning model. Therefore the Osborn learning model can be used as an alternative for teachers in carrying out their learning to create an active, effective and fun learning atmosphere.

Keywords: Mathematical Creative Thinking, Osborn Learning, Self-confidence.