ABSTRAK

Trifanny Gita A.S (2020). **Kemampuan Berpikir Kreatif Matematis dan Kemandirian Belajar Melalui Model *Brain-Based Learning*.**

Penelitian ini dilatarbelakangi oleh keinginan dan ketertarikan penulis untuk menganalisis mengenai kemampuan berpikir kreatif matematis dan kemandirian belajar siswa melalui model *brain-based learning*. Penelitian ini bertujuan untuk: (1) mendeskripisikan konsep kemampuan berpikir kreatif matematis (2) mendeskripsikan kaitan kemandirian belajar melalui model *brain-based learning* (3) mendeskripsikan kaitan kemampuan berpikir kreatif matematis melalui model *brain-based learning*. Metode penelitian yang digunakan dalam penelitian ini adalah jenis penelitian studi literatur. Sumber data yang digunakan dalam penelitian ini adalah artikel dari jurnal terindeks yang merupakan data primer dan sekunder. Berdasarkan hasil analisis dan pembahasan diperoleh kesimpulan bahwa (1) Kemampuan berpikir kreatif matematis adalah kemampuan menemukan solusi baru untuk menyelesaikan masalah yang sifatnya terbuka secara mudah dan fkeksibel (2) Kemandirian belajar siswa yang memperoleh model *brain-based learning* memperoleh kategori baik (3) Kemampuan berpikir kreatif matematis siswa melalui model *brain-based learning* lebih baik daripada melalui model pembelajaran konvesional.

Kata Kunci: Kemampuan Berpikir Kreatif Matematis, Kemandirian Belajar, Model *Brain-Based Learning*

ABSTRACT

Trifanny Gita A.S (2020). ***Mathematical Creative Thinking Ability and Self-Regulated Learning Through Brain-Based Learning Model.***

This research is motivated by the desire and interest of researchers to Mathematical Creative Thinking Ability and Self-Regulated Learning Through Brain-Based Learning Model. This study aims to: (1) to describe the concept of mathematical creative thinking (2) to describe the relationship between self-regulated learning through a brain-based learning model (3) to describe the relationship between mthematical creative thinking ability through a brain-based learning. The research method used in this research is a type of literature study research. Sources of data used in this study are primary and secondary data. Based on the analysis result obtained that (1) Brain-based learning models can improve mathematical creative thinking skills (2) Mathematical creative thinking skills through the brain-based learning model are better than convetional learning models (3) Brain-based learning models can cnhance students independent learning.

Keywords: *Mathematical Crative Thinking Ability, Self-Regulated Learning, Brain-based Learning*