

ABSTRAK

NURUL HUDAPOTI, NIM 4151111068 (2015). Studi Literatur Analisis Pengaruh STEM (*Science, Technology, Engineering, and Mathematics*) terhadap Kemampuan Berpikir Kritis Siswa.

Penelitian ini bertujuan untuk mengetahui: (1) Hasil studi literatur pengaruh pendekatan STEM (*Science, Technology, Engineering and Mathematics*) terhadap kemampuan berpikir kritis siswa, (2) Faktor-faktor yang mempengaruhi peningkatan kemampuan berpikir kritis melalui pendekatan STEM (*Science, Technology, Engineering and Mathematics*). Jenis Penelitian ini berupa deskriptif kualitatif dengan metode penelitian yaitu riset kepustakaan sehingga data yang diperoleh berasal dari kumpulan literatur seperti jurnal penelitian yang relevan dengan topik pembahasan yang dilaksanakan di Digital Library Universitas Negeri Medan. Teknik analisis data yang digunakan adalah teknik analisis Miles and Huberman yaitu pengumpulan data, reduksi data, penyajian data dan penarikan kesimpulan. Dari analisis di dapat bahwa: (1) Pendekatan STEM (*Science, Technology, Engineering and Mathematics*) memberikan pengaruh positif terhadap kemampuan berpikir kritis siswa. (2) ada beberapa faktor yang meningkatkan kemampuan berpikir kritis siswa dengan penerapan pendekatan STEM (*Science, Technology, Engineering and Mathematics*) yaitu faktor internal meliputi kemampuan yang dimiliki siswa, motivasi dan keaktifan siswa dan faktor eksternal meliputi kondisi lingkungan belajar dan bahan ajar yang diberikan oleh guru.

Kata Kunci: Studi Literatur, Pendekatan STEM (*Science, Technology, Engineering and Mathematics*), Kemampuan Berpikir Kritis Siswa

ABSTRACT

Nurul Hudapoti, NIM 4151111068 (2015). *The Literature Study Of The Stem Influence Analysis (Science, Technology, Engineering, and Mathematics) Of Students' Critical Thinking Skill.*

The study is aimed at knowing: (1) the results of a study of the literature affected the stem approach (science, technology, engineering and mathematics) to students' critical thinking skill, (2) factors affecting improved critical thinking skill through the stem approach (science, technology, engineering and mathematics). This type of research consists of qualitative descriptive writing methods of literature, resulting in data obtained from collections of literature such as research journals that are relevant to the topic discussed in the Digital Library of the University of Medan. The data analysis technique used is the Miles and Huberman analysis technique of data collection, data reduction, data presentation and deduction. From analysis in the can that: (1) stem approaches (science, technology, engineering and mathematics) have a positive effect on student critical' thinking skill. (2) there are several factors that enhance students' critical thinking skill with the application of the stem approach ((science, technology, engineering and mathematics) which is internal factors include students' abilities, motivation and student activity and external factors include the conditions of the learning environment and teaching materials provided by the teacher.

Keywords: *Study Literature, STEM Approach, Critical Thinking Skill*