ABSTRAK

Nia Rahmadani Nasution, NIM 4171111035 (2021). Meta-Analisis Pengaruh Model Pembelajaran *Problem Based Learning* (PBL) Terhadap Kemampuan Penalaran Matematis Siswa.

Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan model pembelajaran *problem based learning* terhadap kemampuan penalaran matematis siswa. Penelitian ini dilaksanakan di *Digital Library* Universitas Negeri Medan. Pengumpulan data dilakukan dengan mengumpulkan lima jurnal penelitian yang terkait untuk diteliti dan dianalisis. Pengujian dilakukan dengan teknik meta analisis yaitu uji *effect size*. Hasil penelitian yang diperoleh dari kelima jurnal penelitian menunjukkan bahwa rata-rata nilai *effect size* sebesar 0,8186. Hal ini menunjukkan bahwa kelima jurnal penelitian tersebut memiliki nilai *effect size* dengan kategori besar karena EF $\geq$ 0,8. Sehingga dengan menggunakan model pembelajaran *problem based learning* maka kemampuan penalaran matematis siswa memiliki pengaruh yang besar.

Kata Kunci : Meta analisis, Kemampuan Penalaran Matematis, Model Pembelajaran *Problem Based Learning, Effect Size.*

ABSTRACT

Nia Rahmadani Nasution, NIM 4171111035 (2021). Meta-Analysis The Effect Of Problem Based Learning Model On Students' Mathematical Reasoning Ability.

This study aims to determine the effect of the problem based learning model on students' mathematical reasoning abilities. This research was conducted at the Digital Library of Medan State University. Data collection is done by collecting five related research journals to be researched and analyzed. The test was carried out using a meta-analysis technique, namely the effect size test. The results obtained from the five research journals show that the average effect size value of water is 0.8186. This shows that the five research journals have an effect size value with a large category because EF > 0.8. So that by using the problem based learning learning model, students' mathematical reasoning abilities have a great influence.

Keywords : Meta-Analysis, Mathematical Reasoning Ability, Problem Based Learning Model, Effect Size.