

ABSTRAK

Fadhilah Chairunnisa Purba, NIM 4162111005 (2021). Studi Literatur Model *Project Based Learning* (PjBL) terhadap Kemampuan Pemahaman Konsep Matematis Siswa

Penelitian ini bertujuan untuk menganalisis pengaruh model *Project Based Learning* terhadap kemampuan pemahaman konsep matematis siswa berdasarkan kategori *effect size*, menganalisis peningkatan kemampuan pemahaman konsep matematis siswa yang diajar menggunakan model *Project Based Learning*, mengetahui kelebihan dan kekurangan model *Project Based Learning* melalui studi literatur dalam pembelajaran matematika. Jenis penelitian ini adalah penelitian kualitatif deskriptif dengan pendekatan kualitatif dan kuantitatif serta menggunakan metode kepustakaan (*library research*). Hasil penelitian menunjukkan bahwa model *Project Based Learning* memberikan pengaruh terhadap kemampuan pemahaman konsep matematis siswa yang dibuktikan dengan hasil perhitungan rata-rata *effect size* secara keseluruhan yaitu sebesar 1,42 (kategori sangat besar). Dengan adanya pengaruh yang positif maka terjadi pula peningkatan kemampuan pemahaman konsep matematis melalui model PjBL. Kelebihan model PjBL dalam pembelajaran matematika antara lain memberi kesempatan kepada siswa untuk mengembangkan kemampuan belajar secara individu dengan berbagai pendekatan belajar, meningkatkan kolaborasi untuk mengkonstruksi pengetahuan, meningkatkan hubungan sosial dan keahlian berkomunikasi, serta membuka peluang bagi siswa untuk melihat hubungan antar disiplin ilmu. Terakhir, kekurangan model PjBL yaitu siswa perlu penyesuaian dengan tahapan-tahapan pembelajarannya dan model PjBL tidak selalu sesuai untuk setiap materi pelajaran.

Kata Kunci : *Project Based Learning*, kemampuan pemahaman konsep matematis



ABSTRACT

Fadhilah Chairunnisa Purba, NIM 4162111005 (2021). Literature Study of Project Based Learning Model on The Ability of Mathematical Concept Understanding of Student.

This study aims to analyze the effect of Project Based Learning model on the ability of mathematical concept understanding of student based on the category of effect size, analyze the increase in the ability of mathematical concept understanding of student who are taught using the Project Based Learning model, find out the advantages and disadvantages of the Project Based Learning model through literature study in mathematics learning. This type of research is descriptive qualitative research with qualitative and quantitative approaches and uses library research methods. The results showed that the Project Based Learning model had an influence on the ability of mathematical concept understanding of student as evidenced by the results of the calculation of the overall average effect size of 1.42 (very large category). With a positive influence, there is also an increase in the ability of mathematical concept understanding of student through the PjBL model. The advantages of the PjBl model in learning mathematics include providing opportunities for students to develop individual learning skills with various learning approaches, increasing collaboration to construct knowledge, improving social relationships and communication skills, and opening opportunities for students to see relationships between disciplines. Lastly, the drawback of the PjBL model is that students need to adjust to the stages of their learning and the PjBL model is not always appropriate for every subject matter.

Keywords : Project Based Learning, The Ability of Understanding Mathematical Concept

