

ABSTRAK

PENGARUH MODEL *PROBLEM BASED LEARNING* BERBANTUAN MEDIA TANGGA PINTAR TERHADAP KEMAMPUAN PEMAHAMAN MATEMATIS PESERTA DIDIK KELAS III SEKOLAH DASAR

Oleh

YUNIA SAPITRI

Masalah dalam Penulisan ini adalah rendahnya kemampuan pemahaman matematis peserta didik pada mata pelajaran matematika kelas III MI Al-Qur'an Roudhlatul Qur'an 2 Trimurjo, Lampung Tengah. Penulisan ini bertujuan untuk Mengetahui adanya pengaruh Model *Problem Based Learning* Berbantuan Media tangga pintar terhadap kemampuan pemahaman matematis siswa kelas III. Metode Penelitian ini adalah *Quasi Eksperimen Group Design*. Populasi berjumlah 60 peserta didik dengan sampel yang digunakan 60 peserta didik kelas III A dan III B, teknik sampel menggunakan *non probability sampling* dengan jenis teknik sampling jenuh. Instrumen yang digunakan dalam Penulisan ini yaitu tes dan non tes. Hasil analisis tingkat pengetahuan N-Gain diperoleh data kelas eksperimen rata-rata N-Gain 0,390 termasuk dalam kriteria sedang, sedangkan kelas kontrol dipeoleh rata-rata N-Gain 0,382 termasuk dalam kriteria sedang dengan kaidah tinggi $> 0,7$, sedang $0,3 - 0,7$, serta rendah N-Gain $< 0,3$, tidak termasuk kedalam kriteria rendah berarti efektivitas penerapan model pembelajaran dan bantuan Media berjalan baik sedangkan tidak termasuk dalam kriteria tinggi berarti masih dapat ditingkatkan dengan banyak pertemuan atau di pengaruhi faktor yang tidak di analisis atau diluar batasan masalah penelitian. Hasil Penelitian ini dilakukan uji hipotesis memperoleh f hitung 5,257 dan α 0,05 maka f tabel 4,196 sehingga F hitung $>$ F tabel ($5,257 > 4,196$) sehingga dapat dikatakan bahwa terdapat pengaruh model *Problem Based Learning* berbantuan media tangga pintar terhadap kemampuan pemahaman matematis peserta didik kelas III.

Kata Kunci: pemahaman matematis, problem based learning, tangga pintar

ABSTRACT

THE EFFECT OF PROBLEM BASED LEARNING MODEL ASSISTED BY SMART LADDER MEDIA ON THE MATHEMATICAL UNDERSTANDING ABILITY OF THIRD GRADE PUBLIC SCHOOL STUDENTS

By

YUNIA SAPITRI

The problem in writing this is the low ability of students' mathematical understanding in class III mathematics MI Al-Qur'an Roudhlatul Qur'an 2 Trimurjo, Central Lampung. This writing aims to determine the influence of the Problem Based Learning Model Assisted by Smart Ladder Media on the mathematical understanding abilities of class III students. This research method is Quasi Experiment Group Design. The population is 60 students with a sample of 60 students in class III A and III B, the sample technique uses non-probability sampling with a type of saturated sampling technique. The instruments used in this writing are tests and non-tests. The results of the analysis of the level of N-Gain knowledge obtained from experimental class data, the average N-Gain 0.390 was included in the medium criteria, while the control class obtained an average N-Gain of 0.382 included in the medium criteria with high rules > 0.7 , medium $0.3 - 0.7$, and low N-Gain < 0.3 , not included in the low criteria means that the effectiveness of the application of learning models and media assistance is going well while not included in the high criteria means that it can still be improved by many meetings or influenced by factors that are not affected analysis or outside the boundaries of the research problem. The results of this study were carried out to test the hypothesis to obtain f count 5.257 and α 0.05, then f table 4.196 so that F count $> F$ table ($5.257 > 4.196$) so that it can be said that there is an influence of the Problem Based Learning model assisted by smart ladder media on students' mathematical understanding abilities class III.

Keywords: mathematical understanding, problem based learning, smart stairs