

ABSTRAK

Rani Aulia Alfariah, 2024. *Efektivitas Media Tangga Pintar dengan Model Problem Based Learning Terhadap Hasil Belajar Matematika Siswa Kelas I SDN Marengan Daya I*. **Tugas Akhir**, Program Study Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Wiraraja, Pembimbing (1) Anang Hadi Cahyono S.Pd., M.Pd. (2) Ach Puniman S.Pd.I., M.Pd.I.

Penelitian ini dilakukan karena banyaknya siswa yang merasa bosan dan hasil belajar yang rendah pada pelajaran matematika karena kurangnya media pembelajaran dan model pembelajaran. Sehingga penelitian ini bertujuan untuk Mengetahui efektifitas media tangga pintar dengan model *problem based learning* terhadap hasil belajar, Jenis penelitian yang digunakan adalah kuantitatif dengan pendekatan eksperimen (*quasy eksperimen*) yang menggunakan populasi sebanyak 46 siswa yang terbagi menjadi 2 kelas, yaitu kelas eksperimen dan kelas control. Intrument penelitian yang peneliti gunakan yaitu, tes, observasi, dan dokumentasi. Teknik analisis data pada penelitian ini menggunakan uji homogenitas dan uji normalitas. Pengujian hipotesis dalam penelitian ini menggunakan uji *independent sampel t-test*. uji-t *independen sample t-test* pada nilai *Posttest* kelas eksperimen dan *Posttest* kelas kontrol terdapat hasil nilai sig (2-tailed) sebesar 0,004. Nilai sig (2-tailed) 0,004 lebih kecil dari 0,05, maka dapat disimpulkan H_0 diterima dan H_a ditolak. Nilai hasil pretest kelas eksperimen lebih besar dari pada nilai pretest dan posttest kelas control, hal itu di buktikan dengan uji-t dimana rata-rata nilai kelas eksperimen adalah 78,69, sementara kelas kontrol mendapat rata nilai 68,26. sehingga dapat disimpulkan bahwa terdapat keefektivitasan media tangga pintar dengan model *problem based learning* terhadap hasil belajar matematika siswa kelas 1 SDN Marengan daya I.

Kata kunci: tangga pintar, PBL, hasil belajar

ABSTRACT

Rani Aulia Alfarihah, 2024. *The Effectiveness of Smart Ladder Media with Models Problem Based Learning on the Learning Outcomes of Grade I Students of SDN Marengan Daya I. Final Project*, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Wiraraja University, Supervisor (1) Anang Hadi Cahyono S.Pd., M.Pd. (2) Ach Puniman S.Pd.I., M.Pd.I.

This research was conducted because of the large number of students who felt bored and low learning outcomes in mathematics lessons due to the lack of learning media and learning models. So this study aims to determine the effectiveness of smart tanga media with a problem-based learning model on learning outcomes, The type of research used is quantitative with an experimental approach (quasy experiment) which uses a population of 46 students divided into 2 classes, namely the experimental class and the control class. The research instruments used by the researcher are tests, obervation, and documentation. The data analysis technique in this study uses UI homogeneity and normality tests. Hypothesis testing in this study uses an independent test of t-test samples. The independent t-test sample t-test in the Posttest value of the experimental class and the Posttest of the control class had a sig value (2-tailed) of 0.004. The sig value (2-tailed) of 0.004 is less than 0.05, then it can be concluded that ha is accepted and ho is rejected. The value of the pretest results of the experimental class is greater than the pretest and posttest scores of the control class, it is proven by the t-test where the average score of the experimental class is 78.69, while the control class gets an average score of 68.26. so that it can be concluded that there is an effectiveness of smart ladder media with a problem-based learning model for mathematics learning outcomes of grade 1 students of SDN Marenagn daya I.

Keywords: smart ladder, PBL, learning outcomes