

ABSTRAK

Yustriani, Y. (2022). *Pengaruh Model Problem Based Learning Berbantu Media Video Terhadap Kemampuan Komunikasi Matematis Siswa Sekolah Dasar Negeri Dukuh Menanggal 01 Surabaya*. Program Studi Pendidikan Guru Sekolah Dasar. Fakultas. Program Studi Pendidikan Guru Sekolah Dasar. Fakultas Pedagogi dan Psikologi. Universitas PGRI Adi Buana Surabaya, Pembimbing (1) Drs. Bahauddin Azmy, M.Pd. (2) Via Yustitia, S.Pd., M.Pd.

Kata Kunci: Model Problem Based Learning, Media Video, Kemampuan Komunikasi Matematis

Rendahnya hasil belajar matematika dikarenakan kurangnya kemampuan komunikasi matematika pada siswa. Faktor tersebut disebabkan karena guru hanya menggunakan model pembelajaran konvensional saja, sehingga kemampuan komunikasi siswa rendah dan menjadikan pembelajaran menjadi bosan serta tidak menarik. Model pembelajaran *Problem Based Learning* merupakan model pembelajaran berdasarkan permasalahan dalam kehidupan sehari-hari yang dapat memberikan kesempatan pada siswa untuk mengembangkan kemampuan komunikasi matematis serta dengan berbantu media video membuat siswa menjadi lebih tertarik dan pembelajaran tidak bosan. Tujuan yang ingin dicapai melalui penelitian ini adalah untuk mengetahui ada tidaknya pengaruh model *Problem Based Learning* berbantu media video terhadap kemampuan komunikasi matematis siswa sekolah dasar.

Penelitian ini menggunakan penelitian kuantitatif dengan jenis penelitian eksperimen dengan menggunakan *posttest-only control design*. Populasi dalam penelitian ini adalah seluruh siswa kelas IV SDN Dukuh Menanggal 01 Surabaya. Pengambilan sampel menggunakan teknik *Purposive Sampling*. Sampel dalam penelitian ini siswa kelas IV B (kelas eksperimen) dan siswa kelas IV C (kelas kontrol). Teknik pengumpulan data yang digunakan metode tes uraian berupa 5 soal cerita menggunakan aplikasi SPSS versi 20.0

Hasil penelitian menunjukkan bahwa terdapat pengaruh model *Problem Based Learning* berbantu media video terhadap kemampuan komunikasi matematis siswa sekolah dasar. Kemampuan komunikasi matematis siswa kelas eksperimen yang diajar melalui model *Problem Based Learning* berbantu media video lebih baik daripada kelas kontrol yang menggunakan pembelajaran konvensional.

ABSTRACT

Yustriani, Y. (2022). The Effect of Problem Based Learning Model Assisted by Video Media on Mathematical Communication Ability of student Dukuh Menanggal State Elementary School 01 Surabaya. Elementary School Teacher Education Study Program. Faculty. Elementary School Teacher Education Study Program. Faculty of Pedagogy and Psychology. PGRI Adi Buana University Surabaya, Supervisor (1) Drs. Bahauddin Azmy, M.Pd. (2) Via Yustitia, S.Pd., M.Pd.

Keywords: Problem Based Learning Model, Video Media, Mathematical Communication Ability.

The low mathematics learning outcomes are due to the lack of mathematical communication skills in students. This factor is because teachers only use conventional learning models, so that students' communication skills are low and make learning boring and uninteresting. Problem Based Learning learning model is a learning model based on problems in everyday life that can provide opportunities for students to develop mathematical communication skills and with the help of video media makes students more interested and learning is not bored. The goal to be achieved through this research is to determine whether there is an effect of Problem Based Learning model assisted by video media on the mathematical communication skills of elementary school students.

This study uses a quantitative research with the type of experimental research using a posttest-only control design. The population in this study were all fourth grade students at Elementary School Dukuh Menanggal 01 Surabaya. Sampling using purposive sampling technique. The samples in this study were students of class IV B (experimental class) and class IV C (control class). The data collection technique used was the description test method in the form of 5 story questions using the SPSS version 20.0 application

The results showed that there was an effect of the Problem Based Learning model assisted by video media on the mathematical communication skills of elementary school students. The mathematical communication ability of experimental class students who are taught through the Problem Based Learning model with the help of video media is better than the control class that uses conventional learning.