**ABSTRAK**

**Pebriyanti, Inggit.** 2024. Efektivitas Model Pembelajaran Project Based Learning Berbantuan Media Lotre Terhadap Kemampuan Berpikir Kritis Siswa Pada Mata Pelajaran Matematika Kelas IV SD Se-Desa Tambakserang. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar. Universitas Peradaban. **Anwar Ardani, M.Pd.**

**Kata Kunci :** Efektivitas, Model Pembelajaran, PjBL, Media Lotre, Berpikir Kritis, dan Matematika

Penggunaan model pembelajaran yang masih berpusat pada guru dan kurangnya pemanfaatan media dalam proses pembelajaran Matematika turut menjadi penyebab rendahnya kemampuan berpikir kritis siswa. Penelitian ini bertujuan untuk mengetahui pengaruh model *Project Based Learning* berbatuan media Lotre terhadap kemampuan berpikir kritis siswa. Jenis penlitian ini adalah penelitian kuantitatif dengan metode *Quasi Eksperimen* dengan desain *Non Equivalent Posttest Only Group Desain*. Populasi dalam penelitian ini yaitu siswa kelas IV SD Negeri se-Desa Tambakserang dan sampel dalam penelitian ini adalah siswa kelas IV SD Negeri Tambakserang 02 sebagai kelas eksperimen dan siswa kelas IV SD Negeri Tambakserang 04 sebagai kelas kontrol. Teknik pengambilan data dalam penelitian ini menggunakaan teknik tes, observasi, dan dokumentasi. Teknik analisis data menggunkan uji prasyarat, uji t indipendent, uji ketuntasan individu, dan uji klasikal. Hasil penelitian menunjukan bahwa rata-rata kemampuan berpikir kritis siswa kelas eksperimen lebih tinggi dibandingkan dengan kelas kontrol. Dari hasil t independent menunjukan nilai thitung sebesar 4,464 dan ttabel sebesar 2,051. Sehingga thitung$ > $ttabel (4,464 $>$2,051). Hasil uji ketuntasan individu menunjukan 3,458 > 1,734 = $t\_{hitung }$$\geq t\_{tabel}$. Dari hasil uji klasikal menunjukan $z\_{hitung }=1,852$ $z\_{tabel}$= 0,322 berarti $z\_{hitung }> z\_{tabel}$. Sehingga dapat dikatan bahwa pembelajaran dengan model PjBL berbantuan Media Lotre berpengaruh terhadap kemampuan berpikir kritis siswa.

***ABSTRACT***

**Pebriyanti, Inggit.** 2024. The effectiveness of the project-based learning model, with support from lottery materials, on students' critical thinking abilities in math classes in grade IV from all Tambakserang elementary schools. Program for Elementary School Teacher Education Thesis. University of Peradaban. **Anwar Ardani, M.Pd.**

Keywords: Effectiveness, Learning Paradigms, PjBL, Lottery Media, Critical Thinking, and Mathematics

Students' poor critical thinking abilities were partly due to the use of learning paradigms that were still primarily focused on instructors and the absence of media in the mathematics classroom. The Project Based Learning paradigm, aided by Lottery material, was one of the available learning models. The purpose of this study was to evaluate how students' critical thinking abilities were affected by the Project Based Learning approach using Lottery Learning materials. This research utilized a non-equivalent post-test only group design and was quantitative in nature, employing the quasi-experiment approach. The grade IV students from all Tambakserang elementary schools constituted the population of this study, while the grade IV students from Tambakserang 02 Elementary School served as the experimental class and the grade IV students from Tambakserang 04 Elementary School served as the control group. The study used test, observation, and documentation approaches as part of its data collection methodology. Prerequisite tests, independent t-tests, individual completeness tests, and classical tests were employed in the data analysis procedure. The study's findings demonstrated that students in the experimental class had a greater average critical thinking capacity than those in the control group. An independent t analysis revealed a ttable of 2.051 and a tcount value of 4.464. The results showed tcount > ttable (4.464 > 2.051). The individual completeness test yielded 3.458 > 1.734. The traditional test findings indicated a mean of 0.322. Thus, it was concluded that students' critical thinking abilities were impacted by learning with the PjBL model through the use of the Media Lottery model.