

ABSTRAK

Desi Ana Puspitasari, 2026. Studi Komparasi Terhadap Kemampuan Literasi Sains Dengan Menggunakan Model Pembelajaran *Picture and Picture* dan *Numbered Heads Together* Pada Siswa Sekolah Dasar. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, FKIP, Universitas PGRI Madiun, Pembimbing (I) Dr. Elly's Mersina Mursidik, S. Pd., M .Pd., (II) Dr. Rissa Prima Kurniawati, S.Pd., M.Pd.

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan literasi sains siswa pada mata pelajaran Ilmu Pengetahuan Alam dan Sosial (IPAS) di sekolah dasar. Penelitian ini bertujuan untuk mengetahui perbedaan kemampuan literasi sains antara siswa yang belajar menggunakan model *Picture and Picture* dan model *Numbered Heads Together*. Penelitian kuantitatif ini dilakukan menggunakan pendekatan eksperimen semu, atau *quasi experimental design*. Design grup *posttest only* digunakan. Subjek penelitian berjumlah 36 siswa kelas IV yang dipilih menggunakan teknik *purposive sampling*, terbagi menjadi kelas eksperimen I (16 siswa di SDN Sidomulyo 01 menggunakan model *Picture and Picture* dan kelas eksperimen II (20 siswa di SDN Buduran 02 menggunakan model *Numbered Heads Together*). Data kemampuan literasi sains dikumpulkan melalui tes tertulis berbentuk pilihan ganda pada materi bentang alam, kemudian di analisis menggunakan uji *Independent Sample t-Test*. Hasil analisis data menunjukkan $t_{hitung} = 2,0322 < t_{tabel} = 2,60$, sehingga H_0 ditolak dan H_a diterima. Nilai rata-rata kemampuan literasi sains siswa pada kelas eksperimen I (83,12) terbukti lebih tinggi dibandingkan kelas eksperimen II (70,50). Penelitian ini menyimpulkan bahwa terdapat perbedaan yang signifikan dalam kemampuan literasi sains antara kedua kelompok perlakuan, di mana penerapan model *Picture and Picture* memberikan dampak yang lebih efektif terhadap peningkatan kemampuan literasi sains siswa dibandingkan dengan model *Numbered Heads Together*.

Kata kunci: Kemampuan Literasi Sains, *Picture and Picture*, IPAS, *Numbered Heads Together*.

ABSTRACT

Desi Ana Puspitasari, 2026. A Comparative Study of Scientific Literacy Skills Using the "Picture and Picture" and "Numbered Heads Together" Learning Models among Elementary School Students. Undergraduate Thesis. Primary School Teacher Education Study Program, Faculty of Teacher Training and Education (FKIP), Universitas PGRI Madiun. Supervisors: (I) Dr. Elly's Mersina Mursidik, S.Pd., M.Pd., (II) Dr. Rissa Prima Kurniawati, S.Pd., M.Pd.

This study was motivated by the low scientific literacy skills of elementary school students in the Natural and Social Sciences (IPAS) subject. The study aimed to determine the difference in scientific literacy skills between students taught using the "Picture and Picture" model and those taught using the "Numbered Heads Together" model. This quantitative study employed a quasi-experimental design, specifically a posttest-only group design. The subjects consisted of 36 fourth-grade students selected via purposive sampling, divided into Experimental Class I (16 students at SDN Sidomulyo 01 using the "Picture and Picture" model) and Experimental Class II (20 students at SDN Buduran 02 using the "Numbered Heads Together" model). Data on scientific literacy skills were collected through a multiple-choice written test covering the topic of landforms and subsequently analyzed using an Independent Sample t-Test. The analysis results showed that $t\text{-table}$ (2.0322) was less than $t\text{-calculated}$ (2.60); thus, the null hypothesis was rejected, and the alternative hypothesis was accepted. The mean scientific literacy score of students in Experimental Class I (83.12) was found to be higher than that of Experimental Class II (70.50). The study concludes that there is a significant difference in scientific literacy skills between the two treatment groups, with the "Picture and Picture" model proving more effective than the "Numbered Heads Together" model in enhancing students' scientific literacy skills.

Keywords: Scientific Literacy Skills, Picture and Picture, IPAS, Numbered Heads Together.