

ABSTRAK

“ PENINGKATAN KEMAMPUAN LITERASI SAINS SISWA KELAS V SD KANISUS BABADAN MATERI HARMONI DALAM EKOSISTEM DENGAN MODEL *DISCOVERY LEARNING* ”

Theresia Oktaviana Fransisca

Universita Sanata Dharma

2026

Kemampuan literasi sains siswa sekolah dasar masih tergolong rendah, sebagaimana ditunjukkan oleh hasil studi *Programme for International Student Assessment* (PISA) yang menempatkan Indonesia pada posisi di bawah rata-rata internasional . Data PISA 2015 mencatat bahwa Indonesia menduduki peringkat ke-62 dari 70 negara dengan skor 403, Kondisi serupa berlanjut pada PISA 2018, di mana Indonesia menempati posisi ke-70 kondisi tersebut mengindikasikan bahwa pembelajaran IPA belum sepenuhnya mampu mengembangkan kemampuan siswa dalam memahami konsep sains secara mendalam, mengidentifikasi masalah ilmiah, serta menarik kesimpulan berdasarkan bukti. Penelitian ini bertujuan untuk meningkatkan kemampuan literasi sains siswa kelas V SD Kanisius Babadan pada materi harmoni dalam ekosistem melalui penerapan model *Discovery Learning*.

Jenis penelitian yang digunakan adalah Penelitian Tindakan Kelas (PTK) dengan menerapkan model pembelajaran *Discovery Learning* yang dilaksanakan dalam dua siklus. Penelitian ini menggunakan model PTK menurut Kemmis dan McTaggart, yang terdiri dari empat tahapan dalam setiap siklus, yaitu perencanaan (*planning*), tindakan (*action*), observasi (*observation*), dan refleksi (*reflection*). Subjek penelitian adalah siswa kelas V semester ganjil tahun ajaran 2025/2026. Teknik pengumpulan data dilakukan melalui observasi, wawancara, dan tes. Data yang diperoleh kemudian dianalisis secara kuantitatif untuk mengetahui peningkatan kemampuan literasi sains siswa pada setiap siklus.

Hasil penelitian rata- rata skor meningkat dari 63,93 (sebelum siklus)'menjadi 75,24 (siklus I), dan 82,8(siklus II) menunjukkan bahwa penerapan model *Discovery Learning* dapat meningkatkan kemampuan literasi sains siswa pada materi harmoni dalam ekosistem. Peningkatan terlihat dari kenaikan nilai rata-rata dan persentase ketuntasan belajar siswa dari siklus I ke siklus II Dengan demikian, dapat disimpulkan bahwa terdapat peningkatan kemampuan literasi sains siswa setelah penerapan model *Discovery Learning*.

Kata Kunci: Literasi Sains, *Discovery Learning*, Harmoni Dalam Ekosistem, Penelitian Tindakan Kelas.

ABSTRACT

" IMPROVING THE SCIENCE LITERACY SKILLS OF GRADE V STUDENTS OF ELEMENTARY SCHOOL KANISUS BABADAN ON THE MATERIAL OF HARMONY IN THE ECOSYSTEM USING THE DISCOVERY LEARNING MODEL "

Theresia Oktaviana Fransisca

Sanata Dharma University

2026

The scientific literacy skills of elementary school students are still relatively low, as shown by the results of the Programme for International Student Assessment (PISA) study which places Indonesia in a position below the international average. PISA 2015 data recorded that Indonesia was ranked 62nd out of 70 countries with a score of 403, a similar condition continued in PISA 2018, where Indonesia was ranked 70th. This condition indicates that science learning has not been fully able to develop students' abilities in understanding scientific concepts in depth, identifying scientific problems, and drawing conclusions based on evidence. This study aims to improve the scientific literacy skills of fifth grade students of Kanisius Babadan Elementary School on the subject of harmony in the ecosystem through the application of the Discovery Learning model.

The type of research used is Classroom Action Research by applying the Discovery Learning model implemented in two cycles. This study uses the Classroom Action Research model according to Kemmis and McTaggart, which consists of four stages in each cycle: planning, action, observation, and reflection. The research subjects were fifth-grade students in the odd semester of the 2025/2026 academic year. Data collection techniques were carried out through observation, interviews, and tests. The data obtained were then analyzed quantitatively to determine the improvement in students' scientific literacy skills in each cycle..

The results of the study showed that the average score increased from 63.93 (before cycle) to 75.24 (cycle I), and 82.8 (cycle II) indicating that the application of the Discovery Learning model can improve students' scientific literacy skills on the subject of harmony in the ecosystem. The increase can be seen from the increase in the average value and percentage of student learning completion from cycle I to cycle II. Thus, it can be concluded that there is an increase in students' scientific literacy skills after the application of the Discovery Learning model.

Keywords: Scientific Literacy, Discovery Learning, Harmony In The Ecosystem, Classroom Action research.