

Leni Ilmiawati. 2025. *Penerapan Model Pembelajaran Scramble Berbantuan Kartu UNO Kimia Unsur untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Dwi Bagus Rendy Astid Putera.

ABSTRAK

Penelitian ini bertujuan untuk meningkatkan literasi sains siswa, mengetahui ada atau tidaknya perbedaan kemampuan literasi sains siswa pada kelas eksperimen dan kontrol, mengetahui keterlaksanaan, motivasi belajar, dan respons siswa terhadap penerapan model *scramble* berbantuan kartu UNO kimia unsur. Penelitian ini menggunakan metode Quasi Experimental dengan desain *pretest-posttest control group design*. Penelitian ini dilaksanakan di SMP N 1 Labang dengan populasi seluruh siswa kelas VIII Tahun Ajaran 2024/2025. Teknik pengambilan sampel menggunakan *Purposive Sampling* dengan kelas VIII-B sebagai kelas eksperimen dan kelas VIII-A sebagai kelas kontrol. Instrumen pengambilan data yang digunakan yaitu lembar observasi keterlaksanaan, tes literasi sains, angket motivasi belajar, angket respons, dan dokumentasi. Teknik analisis data menggunakan uji T sampel bebas, uji *N-Gain*, persentase keterlaksanaan, persentase motivasi belajar, dan persentase respons siswa. Hasil penelitian menunjukkan bahwa (1) terdapat perbedaan kemampuan literasi sains siswa pada kelas eksperimen dan kontrol dengan nilai signifikansi 0,000. (2) terdapat peningkatan kemampuan literasi sains siswa pada kelas eksperimen dengan skor *N-Gain* sebesar 0,53 kategori sedang. (3) keterlaksanaan pembelajaran di kelas eksperimen sebesar 96,58% dengan kategori sangat baik. (4) motivasi belajar siswa pada kelas eksperimen memperoleh nilai 79,90% dengan kategori baik. (5) respons siswa pada kelas eksperimen memperoleh nilai 77,67% dengan kategori baik.

Kata Kunci: Kartu UNO kimia unsur, literasi sains, model *scramble*

Leni Ilmiawati. 2025. Implementation of Scramble Learning Model Assisted by UNO Chemistry Element Cards to Improve Students Science Literacy. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Dwi Bagus Rendy Astid Putera.

ABSTRACT

This riseat aims to improve students' scientific literacy, determine whether or not there are differences in students' scientific literacy abilities in the experimental and control classes, determine the implementation, learning motivation, and student responses to the application of the scramble model assisted by UNO chemical element cards. This study uses the Quasi Experimental method with a pretest-posttest control group design. This study was conducted at SMP N 1 Labang with a population of all class VIII students in the 2024/2025 Academic Year. The sampling technique used Purposive Sampling with class VIII-B as the experimental class and class VIII-A as the control class. The data collection instruments used were implementation observation sheets, science literacy tests, learning motivation questionnaires, response questionnaires, and documentation. The data analysis technique used the free sample T test, N-Gain test, percentage of implementation, percentage of learning motivation, and percentage of student responses. The results of the study showed that (1) there were differences in students' scientific literacy abilities in the experimental and control classes with a significance value of 0.000. (2) there is an increase in students' scientific literacy skills in the experimental class with an N-Gain score of 0,53 in the moderate category. (3) the implementation of learning in the experimental class is 96,58% in the very good category. (4) students' learning motivation in the experimental class gets a score of 79.90% in the good category. (5) students' responses in the experimental class get a score of 77.67% in the good category.

Keywords: *UNO chemical element cards, scientific literacy, scramble model*