

ABSTRAK

Amira Zahra Hilluwa Munawar (1212060010): “Pengaruh Model Pembelajaran *Children Learning in Science (CLiS)* Berbantu *Liveworksheets* terhadap Literasi Sains Siswa pada Materi Perubahan Lingkungan”

Literasi sains merupakan kemampuan memahami konsep dan proses sains serta menerapkannya untuk memecahkan permasalahan dalam kehidupan sehari-hari. Penelitian bertujuan untuk menganalisis pengaruh model pembelajaran *Children Learning in Science (CLiS)* berbantu *Liveworksheets* terhadap literasi sains siswa pada materi perubahan lingkungan. Metode penelitian *quasi experimental* dengan desain *non-equivalent control group*. Sampel penelitian teknik *purposive sampling* dengan jumlah 64 siswa dari salah satu SMA di Kabupaten Subang. Instrumen penelitian meliputi lembar observasi, tes literasi sains, dan angket respon. Hasil penelitian menunjukkan keterlaksanaan pembelajaran kelas eksperimen mencapai persentase 93% pada kinerja guru dan aktivitas siswa, sedangkan kelas kontrol masing-masing sebesar 92% dan 90% kategori sangat baik. Peningkatan literasi sains diperoleh rata-rata *N-Gain* kelas eksperimen 0,70 (tinggi) dengan indikator tertinggi yaitu interpretasi data sebesar 0,75 (tinggi), indikator terendah mengevaluasi dan mendesain penyelidikan ilmiah 0,56 (sedang). Peningkatan kelas kontrol 0,31 (sedang), dengan indikator tertinggi menjelaskan fenomena secara ilmiah 0,56 (sedang) dan indikator terendah 0,01 (rendah). Uji hipotesis menunjukkan nilai sig. (2-tailed) sebesar $0,000 < 0,05$ sehingga H_0 ditolak dan H_a diterima. Respon siswa terhadap pembelajaran pada kelas eksperimen sebesar 85% kategori sangat menarik, kelas kontrol sebesar 80% kategori menarik sehingga dapat disimpulkan model *CLiS* berbantu *Liveworksheets* berpengaruh positif dan signifikan terhadap literasi sains siswa. Temuan ini mengimplikasikan bahwa media *Liveworksheets* dapat dijadikan alternatif untuk melatih literasi sains siswa.

Kata Kunci: *Children Learning in Science (CLiS)*, *Liveworksheets*, Literasi Sains, Perubahan Lingkungan.

ABSTRACT

AMIRA ZAHRA HILLUWA MUNAWAR: “The Effect of the Children Learning in Science (CLiS) Model Assisted by Liveworksheets on Students' Scientific Literacy Skills in Environmental Change Material”

Scientific literacy is the ability to understand scientific concepts and processes and apply them to solve problems in daily life. This research aims to analyze the effect of the Children Learning in Science (CLiS) learning model assisted by Liveworksheets on students' scientific literacy in environmental change material. The research method used was quasi-experimental with a non-equivalent control group design. The research sample used purposive sampling technique with a total of 64 students from one senior high school in Subang Regency. The research instruments included observation sheets, scientific literacy tests, and response questionnaires. The research results showed that the implementation of learning in the experimental class reached a percentage of 93% for teacher performance and student activities, while the control class reached 92% and 90% respectively in the very good category. The improvement in scientific literacy obtained an average N-Gain of the experimental class of 0.70 (high) with the highest indicator being data interpretation at 0.75 (high), and the lowest indicator being evaluating and designing scientific investigations at 0.56 (moderate). The control class improvement was 0.31 (moderate), with the highest indicator being explaining phenomena scientifically at 0.56 (moderate) and the lowest indicator at 0.01 (low). The hypothesis test showed a sig. (2-tailed) value of $0.000 < 0.05$, thus H_0 was rejected and H_a was accepted. Student responses to learning in the experimental class were 85% in the very interesting category, while the control class was 80% in the interesting category, so it can be concluded that the CLiS model assisted by Liveworksheets has a positive and significant effect on students' scientific literacy. This finding implies that Liveworksheets media can be used as an alternative to train students' scientific literacy.

Keywords: Children Learning in Science (CLiS), Liveworksheets, Scientific Literacy, Environmental Change.