

ABSTRAK

MEILIA PUTRI “Pengaruh Model Pembelajaran *Children Learning In Science* Berbantu Media *V-lab Plantae* Terhadap Keterampilan Proses Sains Siswa Pada Materi *Kingdom Plantae* ”

Pembelajaran Biologi pada era abad ke-21 menuntut pendekatan yang aktif, kontekstual, dan berorientasi pada pengembangan keterampilan proses sains. Keterampilan proses sains siswa masih tergolong rendah, berbagai kendala seperti terbatasnya fasilitas laboratorium dan kompleksitas materi, seperti *kingdom plantae* menyebabkan siswa mengalami kesulitan dalam memahami konsep secara mendalam. Penelitian ini bertujuan untuk menganalisis pengaruh model pembelajaran *children learning in science* berbantu media *V-lab plantae* terhadap keterampilan proses sains siswa pada materi *kingdom plantae* . Metode yang digunakan adalah quasi eksperimen dengan desain Pretest-Posttest Control Group Design, di mana subjek dibagi ke dalam dua kelompok, yaitu kelas eksperimen dan kelas kontrol. Hasil penelitian menunjukkan bahwa keterlaksanaan pembelajaran pada kelas eksperimen memperoleh persentase sebesar 95,61% pada kinerja guru dan 94,95% pada aktivitas siswa, sedangkan kelas kontrol memperoleh 96,44% dan 93,83% dengan kategori “sangat baik”. Nilai posttest keterampilan proses sains pada kelas eksperimen sebesar 82,39 dengan peningkatan (N-gain) 0,74 (kategori tinggi), sedangkan kelas kontrol sebesar 71,52 dengan peningkatan 0,58 (kategori sedang). Berdasarkan uji hipotesis (Paired Sample Test) diperoleh nilai Sig. (2-tailed) $0,00 < 0,05$, sehingga H_0 ditolak dan H_1 diterima. Hasil ini diperkuat dengan nilai effect size sebesar $D = 5,967$ yang menunjukkan kategori tinggi. Respon siswa terhadap pembelajaran juga tergolong baik dengan rata-rata sebesar 81%. Berdasarkan data hasil tersebut dapat disimpulkan bahwa model pembelajaran *children learning in science* berbantu media *V-lab plantae* berpengaruh positif terhadap keterampilan proses sains siswa pada materi *kingdom plantae* .

Kata kunci: *Children Learning in Science*, Keterampilan Proses Sains, *V-lab plantae*, *Kingdom plantae* .

ABSTRACT

MEILIA PUTRI *“The Effect of the Children Learning in Science (CLIS) Learning Model Assisted by V-lab plantae Media on Students’ Science Process Skills in the Kingdom plantae Material”*

Biology learning in the 21st century demands an active and contextual approach that emphasizes the development of science process skills. However, students’ science process skills remain relatively low. Several obstacles, such as limited laboratory facilities and the complexity of the Kingdom plantae material, make it difficult for students to understand and construct scientific concepts effectively. This study aims to analyze the effect of the Children Learning in Science (CLIS) learning model assisted by V-lab plantae media on students’ science process skills in the Kingdom plantae topic. The research employed a quasi-experimental method using a Pretest-Posttest Control Group Design. The subjects were divided into two groups: an experimental class and a control class. The results showed that the learning implementation in the experimental class achieved 95,61% for teacher performance and 94,95% for student activity, while the control class obtained 96,44% and 93,83%, both categorized as “very good.” The posttest score of science process skills in the experimental class was 82.39 with an N-gain of 0.74 (high category), whereas the control class obtained 71.52 with an N-gain of 0.58 (moderate category). The hypothesis test (Paired Sample Test) yielded a Sig. (2-tailed) value of $0.00 < 0.05$, indicating that H_0 was rejected and H_1 was accepted. This result was supported by an effect size value of $D = 5.967$ (high category). Students also showed a positive response toward the learning process, with an average of 81%. Based on these results, it can be concluded, the Children Learning in Science (CLIS) model assisted by V-lab plantae positively influences students’ science process skills in learning the Kingdom plantae material.

Keywords: Children Learning in Science, Science Process Skills, V-lab plantae, Kingdom plantae .