

## ABSTRACT

**Feby Noerfatimah: “Pengaruh Lembar Kerja Peserta Didik (LKPD) Berbasis *Socio-Scientific Inquiry Based Learning* (SSIBL) Pada Materi Perubahan Lingkungan Untuk Meningkatkan Keterampilan Pemecahan Masalah”**

*Abstract.* 21st century skills are learning and innovation skills that focus on the 4Cs (collaboration, creative thinking, communication, critical thinking and problem solving, and innovation). The importance of Biology teaching materials that incorporate elements of the *Socio-Scientific Inquiry Based Learning* approach can bring up problem-solving and moral skills in solving every event that takes place in real life through the use of LKPD based on *Socio-Scientific Inquiry Based Learning*. This study aims to analyze the effect of LKPD based on *Socio-Scientific Inquiry Based Learning* on environmental change material in class X. This research method uses the *Quasi Experimental* method with Control group pre-test post-test. Data acquisition techniques were distributed through instruments from tests, observation sheets, and questionnaires. The results of data analysis from the study simultaneously showed that the dependent variable and independent variables had a significant (significant) effect on the final data of the *t*-test results,  $H_0$  was rejected and  $H_1$  was accepted, namely  $t_{count} (1.25) > t_{table} (1.20)$ . Based on the results obtained indicate that the average percentage of student responses as a whole to the *Socio-Scientific Inquiry Based Learning* Approach of 63.30% is included in the medium category. It can be concluded that the student's response to the LKPD Approach based on *Socio-Scientific Inquiry Based Learning* on the material of environmental change is very good.

**Key word :** *Problem Solving Skills, LKPD based Socio-Scientific Inquiry Based Learning, Environmental Change*



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**Abstrak.** Keterampilan abad 21 adalah keterampilan belajar dan inovasi yang berfokus pada 4C (*collaboration, creative thinking, communication, critical thinking and problem solving, and innovation*). Pentingnya bahan ajar Biologi yang memasukkan unsur pendekatan *Socio-Scientific Inquiry Based Learning* dapat memunculkan keterampilan pemecahan masalah serta moral dalam menuntaskan setiap peristiwa yang berlangsung dalam kehidupan nyata melalui penggunaan LKPD berbasis *Socio-Scientific Inquiry Based Learning*. Penelitian ini bertujuan untuk menganalisis pengaruh LKPD berbasis *Socio-Scientific Inquiry Based Learning* pada materi perubahan lingkungan di kelas X. Metode penelitian ini menggunakan metode *Quasi Eksperimental* dengan *Control group pre-test post-test*. Teknik perolehan data disebarikan melalui instrument dari test, lembar observasi, dan angket. Hasil analisis data dari penelitian secara simultan menunjukkan bahwa variabel ikat dan variabel bebas saling berpengaruh nyata (Signifikan) pada data akhir hasil Uji-t tersebut  $H_0$  ditolak dan  $H_1$  diterima yaitu  $t_{hitung} (1.25) > t_{tabel} (1.20)$ . Berdasarkan hasil yang didapatkan menunjukkan bahwa presentase rata-rata respon siswa secara menyeluruh terhadap Pendekatan *Socio-Scientific Inquiry Based Learning* sebesar 63.30% termasuk dalam kategori sedang. Dapat disimpulkan bahwa respon siswa terhadap Pendekatan LKPD berbasis *Socio-Scientific Inquiry Based Learning* pada materi perubahan lingkungan sangat baik.

**Kata Kunci :** Keterampilan Pemecahan Masalah, LKPD berbasis *Socio-Scientific Inquiry Based Learning*, Perubahan Lingkungan