

## ABSTRAK

### **PENGARUH MODEL *CONNECTIVE-COLLABORATIVE PROBLEM BASED* TERHADAP KEMAMPUAN BERPIKIR KRITIS DAN *SUSTAINABILITY AWARENESS* PESERTA DIDIK PADA MATERI INTERAKSI ANTAR MAKHLUK HIDUP DAN LINGKUNGANNYA**

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Penelitian ini bertujuan untuk mengetahui pengaruh model *Connective-Collaborative Problem Based* (CCPB) pada materi interaksi antar makhluk hidup dan lingkungannya terhadap kemampuan berpikir kritis dan *sustainability awareness* peserta didik. Penelitian ini menggunakan desain penelitian *quasi experiment* dengan bentuk *pretest-posttest* kelompok non-ekuivalen. Sampel pada penelitian ini ditentukan dengan *purposive sampling*. Sampel ditentukan dengan teknik *purposive sampling* guna mendapatkan kelas eksperimen dan kontrol yang seragam. Kelas VII.1 sebagai kelas eksperimen berjumlah 29 siswa. Kelas VII.4 sebagai kelas kontrol berjumlah 27 siswa. Penelitian dilakukan di SMP Negeri 45 Bandar Lampung. Teknik pengumpulan data meliputi tes terhadap kemampuan berpikir kritis dan angket *sustainability awareness*. Data dianalisis melalui uji hipotesis dan *effect size*. Hasil penelitian menunjukkan bahwa penerapan model CCPB memberikan pengaruh signifikan terhadap kemampuan berpikir kritis ( $Sig. 0,00 < 0,05$ ) dengan efektivitas tinggi sebesar 1,86 diperoleh melalui uji *effect size*. Kelas eksperimen memperoleh rata rata *N-gain* kemampuan berpikir kritis 0,41 dengan kategori sedang & kelas kontrol memperoleh *N-gain* 0,14 dengan kategori rendah. Indikator kemampuan berpikir kritis mengalami peningkatan tertinggi pada strategi dan taktik dengan *N-gain* kelas eksperimen 0,55. Penerapan model CCPB meningkatkan *sustainability awareness* peserta didik. Hasil nilai *posttest* lebih tinggi dibandingkan *pretest*. Peningkatan ini mengindikasikan praktik *sustainability awareness* yang dilakukan dengan frekuensi jarang atau tidak pernah menjadi frekuensi sering atau selalu. Dengan demikian penerapan model CCPB berpengaruh dalam meningkatkan kemampuan berpikir kritis & meningkatkan *sustainability awareness* peserta didik.

**Kata Kunci:** *Connective-Collaborative Problem Based*, Berpikir Kritis, *Sustainability Awareness*.

## **ABSTRACT**

### **THE EFFECT OF THE CONNECTIVE-COLLABORATIVE PROBLEM-BASED MODEL ON STUDENTS' CRITICAL THINKING ABILITIES AND SUSTAINABILITY AWARENESS ON THE MATERIAL ON INTERACTIONS BETWEEN LIVING THINGS AND THEIR ENVIRONMENT**

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*This study aims to determine the effect of the Connective-Collaborative Problem Based (CCPB) model on the material of interactions between living things and their environment on students' critical thinking ability and sustainability awareness. This study uses a quasi-experimental research design with a pretest-posttest form of non-equivalent groups. The sample in this study was determined by purposive sampling. The sample was determined by purposive sampling technique to obtain uniform experimental and control classes. Class VII.1 as the experimental class consisted of 29 students. Class VII.4 as the control class consisted of 27 students. The study was conducted at SMP Negeri 45 Bandar Lampung. Data collection techniques included tests on critical thinking ability and sustainability awareness questionnaires. Data were analyzed through hypothesis testing and effect size. The results showed that the application of the CCPB model had a significant effect on critical thinking ability (Sig. 0.00 < 0.05) with a high effectiveness of 1.86 obtained through the effect size test. The experimental class obtained an average N-gain of 0.41 in the moderate category for critical thinking ability & the control class obtained an N-gain of 0.14 in the low category. The critical thinking ability indicator experienced the highest increase in strategies and tactics with an N-gain of 0.55 in the experimental class. The application of the CCPB model increased students' sustainability awareness. The posttest score was higher than the pretest. This increase indicates that sustainability awareness practices that were carried out rarely or never became frequent or always. Thus, the implementation of the CCPB model has an impact on improving critical thinking ability and increasing students' sustainability awareness.*

*Keywords: Connective-Collaborative Problem Based, Critical Thinking, Sustainability Awareness.*