

ABSTRAK

PENGARUH MODEL *CONNECTIVE-COLLABORATIVE PROBLEM BASED* (CCPB) TERHADAP KEMAMPUAN BERPIKIR KRITIS DAN KETERAMPILAN KOLABORASI PESERTA DIDIK KELAS X SMAN 5 BANDAR LAMPUNG PADA MATERI BAKTERI

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Penelitian ini bertujuan untuk mengetahui pengaruh model *Connective-Collaborative Problem Based* (CCPB) terhadap kemampuan berpikir kritis dan keterampilan kolaborasi peserta didik kelas X di SMA Negeri 5 Bandar Lampung pada materi Bakteri. Jenis penelitian yang digunakan adalah *quasi experiment* dengan desain *equivalent control group design*. Populasi penelitian terdiri dari seluruh peserta didik kelas X, dengan kelas X E1 berjumlah 35 siswa sebagai kelas eksperimen yang menggunakan model CCPB dan kelas X E3 berjumlah 36 siswa sebagai kelas kontrol yang menggunakan model *discovery learning*. Penentuan sampel dilakukan dengan teknik *purposive sampling*. Teknik pengumpulan data dilakukan secara kuantitatif dan kualitatif. Data kemampuan berpikir kritis diperoleh melalui tes uraian, sedangkan data keterampilan kolaborasi diperoleh melalui angket. Analisis peningkatan kemampuan peserta didik dilakukan menggunakan uji *N-gain* berdasarkan nilai *pretest* dan *posttest*. Hasil penelitian menunjukkan bahwa rata-rata nilai *N-gain* kemampuan berpikir kritis kelas eksperimen sebesar 0,71 dengan kategori tinggi, lebih tinggi dibandingkan kelas kontrol sebesar 0,40 dengan kategori sedang. Selain itu, hasil angket keterampilan kolaborasi kelas eksperimen mencapai rata-rata persentase sebesar 86,50% sedangkan kelas kontrol sebesar 78,70% yang keduanya termasuk dalam kategori tinggi. Pengujian hipotesis menggunakan uji *Independent Sample t-test* dengan *Sig. (2-tailed)* $0,001 < 0,05$ yang menunjukkan bahwa H1 diterima dan H0 ditolak. Sementara itu, hasil uji *effect size* sebesar 2,33 menunjukkan kriteria sangat besar. Dengan demikian, pembelajaran dengan model CCPB berpengaruh signifikan terhadap peningkatan kemampuan berpikir kritis dan keterampilan kolaborasi peserta didik kelas X di SMA Negeri 5 Bandar Lampung

Kata Kunci: *Connective-Collaborative Problem Based* (CCPB), Berpikir Kritis, Keterampilan Kolaborasi, Bakteri.

ABSTRACT

THE EFFECT OF CONNECTIVE-COLLABORATIVE PROBLEM BASED (CCPB) MODEL ON STUDENTS CRITICAL THINKING ABILITIES AND COLLABORATION SKILLS ON BACTERIA MATERIAL IN CLASS X OF SMAN 5 BANDAR LAMPUNG

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This research aims to determine the effect of the Connective-Collaborative Problem Based (CCPB) model on students' critical thinking abilities and collaboration skills on Bacteria material. This research used a quasi-experiment with an equivalent control group design. The population consisted of all 10th-grade students, with class X E1 totaling 35 students as the experimental class treated using the CCPB model and class X E3 totaling 36 students as the control class with the discovery learning model. The sampling technique used was purposive sampling. Data collection techniques were quantitative and qualitative. Critical thinking skills data were collected using an essay test, while collaboration skills were measured using questionnaires. The analysis of student skill improvement was conducted using the N-gain test based on pretest and posttest scores. The results showed that the average N-gain score for critical thinking skills in the experimental class was 0.71 (high category), which was higher than the control class at 0.40 (moderate category). Furthermore, the results of the collaboration skills questionnaire for the experimental class reached an average of 86.50% while the control class reached 78.70%, both of which are categorized as high. Hypothesis testing using the Independent Sample t-test revealed a Sig. (2-tailed) value of $0.001 < 0.05$, indicating that H_1 is accepted and H_0 is rejected. Additionally, an effect size of 2.33 indicates a very large effect. In conclusion, the use of the CCPB model has a significant effect on improving students' critical thinking abilities and collaboration skills in class X of SMAN 5 Bandar Lampung.

Keywords: *Connective-Collaborative Problem Based (CCPB), Critical Thinking, Collaboration Skills, Bacteria.*