

**PENERAPAN STRATEGI PEMBELAJARAN KOLABORATIF
BERJENJANG DALAM MENINGKATKAN KETERAMPILAN
KOLABORASI SISWA SMA PADA MATERI PERUBAHAN
LINGKUNGAN**

SKRIPSI

*diajukan untuk memenuhi sebagian syarat untuk memperoleh gelar
Sarjana Pendidikan Biologi*



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ALAM
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Sarjana Pendidikan Biologi pada Program Studi Pendidikan Biologi Fakultas
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ABSTRAK

Meningkatkan sumber daya manusia yang profesional merupakan aspek terpenting dalam mengatasi permasalahan bencana di seluruh dunia, seperti permasalahan lingkungan hidup. Saat ini, siswa didorong untuk tidak hanya fokus pada mempertahankan kemahiran akademis, tetapi juga dalam hal meningkatkan keterampilan abad ke-21 untuk berkontribusi dengan mengambil langkah-langkah secara sistematis berdasarkan tujuan pembangunan berkelanjutan. Salah satu keterampilan pembelajaran penting dari rangkaian keterampilan abad ke-21 adalah kolaborasi. Dalam rangka mewujudkan peningkatan keterampilan kolaborasi siswa, proses pembelajaran tidak hanya memerlukan interaksi antara guru dan siswa saja, melainkan keterlibatan pihak eksternal juga perlu dipertimbangkan. Penelitian ini bertujuan untuk mengeksplorasi penerapan strategi pembelajaran kolaborasi berjenjang yang melibatkan siswa dari sekolah yang berbeda dan praktisi lingkungan hidup, seperti LSM, yang dapat dilakukan untuk meningkatkan keterampilan kolaborasi dalam memecahkan masalah perubahan lingkungan. Penelitian dilakukan menggunakan desain praeksperimental terhadap 34 siswa kelas 10 melalui *self-assessment* dan *peer-assessment*. Hasil temuan menunjukkan adanya peningkatan keterampilan kolaborasi, tetapi tergolong kategori rendah serta uji korelasi antara *self-assessment* dan *peer-assessment* menunjukkan konsistensi yang tinggi. Argumen temuan dan rekomendasi dengan arah penelitian masa depan juga dibahas dalam penelitian ini.

Kata kunci: Keterampilan kolaborasi, strategi pembelajaran kolaboratif berjenjang, perubahan lingkungan

ABSTRACT

Improving professional human resources is the most important aspect of overcoming catastrophic problems worldwide such as environmental issues. Nowadays, pupils are driven to not only focus on sustaining academic proficiency but also need to elevate their ability in 21st-century skills to contribute by taking steps systematically based on the UN Sustainable Goals. One of the important learning skills of the 21st-century skill set is collaboration. In order to embody the enhancement of pupils' collaboration skills, the learning process not only require the interaction between teachers and students, but external parties need to be considered. This study aims to explore the implementation of mechanisms of tiered collaboration learning strategies involving students from different schools and environmental practitioners, such as NGOs, that may enact to elevate collaboration skills in solving waste issues. The research was conducted through pre-experimental design towards the 34 10th-grade students using self-assessment and peer-assessment. Our finding indicates a trace of improvement in pupils' collaborative skill and the result of the correlation between self-assessment and peer-assessment showed a high consistency. The arguments of the findings and recommendations with future research directions are discussed.

Keywords: Collaborative skill, tiered collaboration learning strategies, environmental change

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Nadisah Khairani Nasution, 2024

PENERAPAN STRATEGI PEMBELAJARAN KOLABORATIF BERJENJANG DALAM MENINGKATKAN KETERAMPILAN KOLABORASI SISWA SMA PADA MATERI PERUBAHAN LINGKUNGAN

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