ABSTRAK

ANALISIS IMPLEMENTASI MODEL *PROJECT BASED LEARNING* PADA PEMBELAJARAN BIOLOGI DITINJAU DARI KEMAMPUAN BERPIKIR KREATIF DAN KOLABORASI PESERTA DIDIK FASE E SMA NEGERI 1 DEPOK

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Kurikulum Merdeka memberikan ruang lebih besar bagi peserta didik untuk mengembangkan keterampilan abad 21, salah satunya adalah kemampuan berpikir kreatif dan kolaborasi. Meskipun model *Project Based Learning* (PjBL) telah banyak diterapkan di berbagai sekolah, efektivitasnya dalam konteks pembelajaran biologi terutama terkait kemampuan berpikir kreatif dan kolaborasi di SMA Negeri 1 Depok perlu dikaji lebih lanjut. Penelitian ini bertujuan untuk menganalisis implementasi model PjBL dalam pembelajaran biologi ditinjau dari kemampuan berpikir kreatif dan kolaborasi peserta didik fase E di SMA Negeri 1 Depok, serta mendeskripsikan pembelajaran yang mengimplementasikan model *Project Based Learning* (PjBL) pada materi Perubahan Lingkungan fase E SMA Negeri 1 Depok. Jenis penelitian ini adalah penelitian campuran. Sampel penelitian melibatkan 72 peserta didik dari kelas E-1 dan E-2. Teknik pengumpulan data menggunakan kuesioner, observasi, dan dokumentasi.

Hasil penelitian menunjukkan bahwa rata-rata kemampuan berpikir kreatif peserta didik mencapai 74,65% masuk dalam kategori baik, dengan indikator berpikir luwes dan elaborasi berada pada kategori sangat baik. Sementara itu, kemampuan kolaborasi peserta didik memperoleh rata-rata 89,31% dalam kategori sangat baik, dengan hampir seluruh indikator seperti ketergantungan positif, interaksi pembelajaran, komunikasi, dan kerja kelompok berada pada kategori sangat baik. Model *Project Based Learning* (PjBL) dapat melatih keterampilan berpikir kreatif dan kolaborasi peserta didik fase E di SMA Negeri 1 Depok. Melalui sintaks PjBL, peserta didik diberikan ruang untuk mengembangkan ide-ide kreatif serta bekerja sama secara aktif dalam menyelesaikan proyek.

Kata kunci: berpikir kreatif, kolaborasi, *project based learning,* pembelajaran biologi

ABSTRACT

ANALYSIS OF THE IMPLEMENTATION OF THE PROJECT BASED LEARNING MODEL IN BIOLOGY EDUCATION AS SEEN FROM THE CREATIVE THINKING AND COLLABORATION SKILLS OF STUDENTS IN PHASE E AT SMA NEGERI 1 DEPOK

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The Merdeka Curriculum provides greater scope for students to develop 21st-century skills, one of which is creative thinking and collaboration. Although the Project-Based Learning (PjBL) model has been widely implemented in various schools, its effectiveness in the context of biology learning, particularly in relation to creative thinking and collaboration skills at SMA Negeri 1 Depok, needs to be further examined. This study aims to analyze the implementation of the PjBL model in biology learning from the perspective of students' creative thinking and collaboration skills in phase E at SMA Negeri 1 Depok, as well as to describe the learning process that implements the Project-Based Learning (PjBL) model on the Environmental Change material in phase E at SMA Negeri 1 Depok. This research is a mixed-method study. The research sample involved 72 students from classes E-1 and E-2. Data collection techniques included questionnaires, observations, and documentation.

The research results show that the average creative thinking ability of students reached 74.65%, falling into the good category, with indicators of flexible thinking and elaboration in the very good category. Meanwhile, students' collaboration skills achieved an average of 89.31% in the very good category, with nearly all indicators such as positive interdependence, learning interaction, communication, and group work in the very good category. The Project-Based Learning (PjBL) model can develop the creative thinking and collaboration skills of Phase E students at State Senior High School 1 Depok. Through the PjBL syntax, students are given the opportunity to develop creative ideas and actively collaborate in completing projects.

***Keywords**: creative thinking, collaboration, project based learning, biology learning*