

ABSTRAK

Waruwu, Hardiknas. 2025. Pengaruh Model *Problem Based Learning* (PBL) Terhadap Kemampuan Berpikir Kritis Siswa Pada Materi Isu-Isu Global Terkait *Green Building*. Pembimbing : Aprianus Telaumbanua, S.Pd., M. Pd.

Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem Based Learning* (PBL) terhadap kemampuan berpikir kritis siswa pada materi isu-isu global terkait green building di kelas X DPIB SMK Negeri 1 Tugala Oyo. Latar belakang penelitian ini didasari oleh rendahnya kemampuan berpikir kritis siswa dalam proses pembelajaran yang cenderung masih bersifat konvensional dan berpusat pada guru. Model PBL dipilih karena diyakini dapat mengembangkan kemampuan berpikir kritis siswa melalui penyajian masalah nyata yang mendorong siswa untuk aktif dalam proses analisis, diskusi, pemecahan masalah, dan refleksi. Penelitian ini menggunakan metode kuantitatif dengan pendekatan eksperimen. Populasi dalam penelitian ini adalah seluruh siswa kelas X DPIB SMK Negeri 1 Tugala Oyo, dengan jumlah sampel sebanyak 16 siswa. Teknik pengumpulan data menggunakan tes kemampuan berpikir kritis dan angket. Hasil pengolahan data menggunakan SPSS versi 22 menunjukkan bahwa data berdistribusi normal dan linear, dengan hasil uji korelasi menunjukkan hubungan yang sangat kuat antara model PBL dan kemampuan berpikir kritis ($r = 0,990$). Nilai koefisien determinasi sebesar 98% menunjukkan bahwa variasi kemampuan berpikir kritis siswa dapat dijelaskan oleh penerapan model PBL. Selain itu, hasil uji hipotesis menunjukkan bahwa terdapat pengaruh yang positif dan signifikan model PBL terhadap kemampuan berpikir kritis siswa (nilai signifikansi $0,000 < 0,05$). Dengan demikian, dapat disimpulkan bahwa penerapan model *Problem Based Learning* berpengaruh secara signifikan dalam meningkatkan kemampuan berpikir kritis siswa, khususnya dalam memahami isu-isu global terkait green building. Penelitian ini merekomendasikan agar guru menggunakan model PBL sebagai alternatif pembelajaran untuk meningkatkan keaktifan dan kemampuan berpikir kritis siswa dalam memahami materi yang kompleks dan kontekstual.

Kata Kunci : *Problem Based Learning*, Berpikir kritis.

ABSTRACT

Waruwu, Hardiknas. 2025. *The Influence of the Problem Based Learning (PBL) Model on Students' Critical Thinking Skills in the Material of Global Issues Related to Green Building*. Supervisor: Aprianus Telaumbanua, S.Pd., M.Pd.

This study aims to determine the influence of the Problem Based Learning (PBL) model on students' critical thinking skills in the material of global issues related to green building in class X DPIB at SMK Negeri 1 Tugala Oyo. The background of this research is based on the low critical thinking skills of students in the learning process, which tends to remain conventional and teacher-centered. The PBL model was chosen because it is believed to enhance students' critical thinking skills through the presentation of real problems that encourage students to be active in analysis, discussion, problem-solving, and reflection. This research employed a quantitative method with an experimental approach. The population of this study was all students of class X DPIB at SMK Negeri 1 Tugala Oyo, with a total sample of 16 students. Data collection techniques included critical thinking skill tests and questionnaires. Data processing using SPSS version 22 showed that the data were normally and linearly distributed, with correlation test results indicating a very strong relationship between the PBL model and critical thinking skills ($r = 0.990$). The coefficient of determination value of 98% indicated that variations in students' critical thinking skills could be explained by the application of the PBL model. Furthermore, hypothesis testing results showed that the PBL model had a positive and significant effect on students' critical thinking skills (significance value $0.000 < 0.05$). Thus, it can be concluded that the implementation of the Problem Based Learning model has a significant effect on improving students' critical thinking skills, particularly in understanding global issues related to green building. This research recommends that teachers use the PBL model as an alternative learning approach to increase students' activeness and critical thinking skills in understanding complex and contextual material.

Keywords: Problem Based Learning, Critical Thinking.