

ABSTRAK

Zebua, Hieronimus. 2025. Analisis Kesulitan Belajar Siswa pada Materi Memahami Elemen-elemen Struktur Bangunan. Tesis Sarjana. Pembimbing: Aprianus Telaumbanua, S.Pd., M.Pd.

Penelitian ini bertujuan untuk menganalisis kesulitan belajar siswa pada materi memahami elemen-elemen struktur bangunan di kelas XI Program Keahlian Desain Permodelan dan Informasi Bangunan (DPIB) SMK Negeri 2 Gunungsitoli. Latar belakang penelitian berangkat dari kenyataan bahwa banyak siswa mengalami hambatan dalam menguasai konsep teknis yang menjadi dasar kompetensi bidang konstruksi, baik karena faktor internal seperti motivasi, minat, intelegensi, bakat, maupun faktor eksternal seperti dukungan keluarga, fasilitas sekolah, dan lingkungan belajar. Metode penelitian yang digunakan adalah pendekatan kualitatif deskriptif dengan teknik pengumpulan data melalui observasi, wawancara mendalam, dan dokumentasi. Subjek penelitian adalah delapan siswa kelas XI DPIB. Data dianalisis menggunakan reduksi data, penyajian data, dan penarikan kesimpulan. Hasil penelitian menunjukkan bahwa faktor internal yang paling dominan memengaruhi kesulitan belajar adalah motivasi dan kesehatan mental (87,5%), diikuti oleh minat (62,5%) dan intelegensi (50%). Faktor eksternal yang menonjol adalah lingkungan dan media massa (75%) serta dukungan keluarga (75%). Hambatan lain seperti kondisi fisik, bakat, dan peran sekolah memiliki persentase lebih rendah (12,5%). Rendahnya motivasi dan minat dipengaruhi oleh metode pembelajaran yang kurang bervariasi, keterbatasan fasilitas praktik, serta lingkungan belajar yang kurang kondusif. Penelitian ini merekomendasikan peningkatan variasi metode pembelajaran berbasis praktik, pemanfaatan media interaktif, peningkatan fasilitas pendukung, serta kolaborasi yang lebih intens antara guru, siswa, dan orang tua. Temuan ini diharapkan dapat menjadi dasar perbaikan strategi pembelajaran di SMK, khususnya pada materi elemen-elemen struktur bangunan, sehingga siswa lebih siap menghadapi tuntutan dunia industri konstruksi.

Kata kunci: kesulitan belajar, elemen struktur bangunan, faktor internal, faktor eksternal, SMK.

ABSTRACT

Zebua, Hieronimus. 2025. *Analysis of Students' Learning Difficulties in Understanding Building Structural Elements*. Undergraduate Thesis. Advisor: Aprianus Telaumbanua, S.Pd., M.Pd.

This study aims to analyze students' learning difficulties in the subject of understanding building structural elements in Grade XI of the Building Information Modeling and Design (DPIB) program at SMK Negeri 2 Gunungsitoli. The study is based on the fact that many students face obstacles in mastering technical concepts that form the foundation of construction competencies, due to internal factors such as motivation, interest, intelligence, and talent, as well as external factors such as family support, school facilities, and the learning environment. This research employed a descriptive qualitative approach, with data collected through observation, in-depth interviews, and documentation. The research subjects were eight Grade XI DPIB students. Data were analyzed through data reduction, data presentation, and conclusion drawing. The results showed that the most dominant internal factor affecting learning difficulties was motivation and mental health (87.5%), followed by interest (62.5%) and intelligence (50%). Prominent external factors included environment and mass media (75%) and family support (75%). Other obstacles such as physical condition, talent, and the role of the school had lower percentages (12.5%). Low motivation and interest were influenced by less varied teaching methods, limited practice facilities, and an uncondusive learning environment. This study recommends increasing the variety of practice-based teaching methods, utilizing interactive media, improving supporting facilities, and strengthening collaboration between teachers, students, and parents. These findings are expected to serve as a basis for improving teaching strategies in vocational high schools, particularly in the subject of building structural elements, so that students are better prepared to meet the demands of the construction industry.

Keywords: learning difficulties, building structural elements, internal factors, external factors, vocational high school.