

ANALISIS AKSESIBILITAS WEBSITE UNIVERSITAS PENDIDIKAN GANESHA (UNDIKSHA) BERDASARKAN *WEB CONTENT ACCESSIBILITY GUIDELINES* (WCAG)

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ABSTRAK

Website perguruan tinggi berfungsi sebagai pintu gerbang utama penyebaran informasi akademik, sehingga Universitas Pendidikan Ganesha (Undiksha) dituntut untuk menyediakan akses informasi yang inklusif dan setara bagi semua kalangan, termasuk penyandang disabilitas. Penelitian ini bertujuan untuk mengevaluasi kondisi aksesibilitas Website Undiksha saat ini serta memberikan rekomendasi perbaikan berbasis standar internasional *Web Content Accessibility Guidelines* (WCAG) 2.1. Metode penelitian yang digunakan adalah pengujian otomatis menggunakan perangkat evaluasi *Web Accessibility Evaluation Tool* (WAVE) terhadap 10 halaman web dengan akumulasi masalah tertinggi yang diidentifikasi dari tahap pemindaian awal, dengan fokus evaluasi pada tiga prinsip utama WCAG 2.1 yaitu *Perceivable*, *Operable*, dan *Understandable*. Hasil pengujian menemukan total 521 poin kesalahan (*error*) yang diklasifikasikan ke dalam tujuh jenis masalah aksesibilitas utama, di mana masalah yang paling dominan adalah *Contrast Error* sebesar 47%, diikuti oleh *Empty Link* sebesar 26%, dan *Linked Image Missing Alternative Text* sebesar 22%, sedangkan jenis kesalahan lain meliputi *Missing Form Label* (2%), *Empty Button* (2%), *Empty Heading* (1%), dan *Missing Alternative Text* (0%). Temuan analisis menunjukkan bahwa Website Undiksha masih memiliki tingkat aksesibilitas yang rendah karena sebagian besar kesalahan bersifat struktural yang tertanam pada *template* global seperti bagian *header* dan *footer* situs. Berdasarkan hasil tersebut, rekomendasi perbaikan dirumuskan secara mendalam, termasuk modifikasi rasio kontras warna pada palet elemen visual agar memenuhi persyaratan optimal level AAA (rasio minimal 7:1) serta penambahan atribut kode aksesibilitas yang valid, sehingga efisiensi perbaikan situs web dapat dicapai secara signifikan dengan memprioritaskan pembenahan pada *template* utama global Website Undiksha.

Kata Kunci: Aksesibilitas Website, WCAG 2.1, WAVE, Disabilitas, Universitas Pendidikan Ganesha.

**ACCESSIBILITY ANALYSIS OF THE GANESHA UNIVERSITY OF EDUCATION
(UNDIKSHA) WEBSITE BASED ON WEB CONTENT ACCESSIBILITY GUIDELINES
(WCAG) 2.1**

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ABSTRACT

University websites serve as the primary gateway for disseminating academic information, meaning that Ganesha University of Education (Undiksha) is expected to provide inclusive and equal access to information for all users, including people with disabilities. This study aims to evaluate the current accessibility status of the Undiksha website and provide improvement recommendations based on the international standards of the Web Content Accessibility Guidelines (WCAG) 2.1. The research methodology involved automated testing utilizing the Web Accessibility Evaluation Tool (WAVE) on 10 selected web pages that exhibited the highest accumulation of issues during the initial scanning phase, focusing closely on three core principles of WCAG 2.1: Perceivable, Operable, and Understandable. The automated testing results revealed a total of 521 errors categorized into seven primary types of accessibility issues, where the most dominant issue was Contrast Error at 47%, followed by Empty Link at 26%, and Linked Image Missing Alternative Text at 22%, while other identified errors included Missing Form Label (2%), Empty Button (2%), Empty Heading (1%), and Missing Alternative Text (0%). The analysis indicates that the Undiksha website currently maintains a low level of accessibility because the majority of these errors are structural issues embedded within the global website template, such as the header and footer sections. Based on these findings, comprehensive recommendations were formulated, including adjusting the color contrast ratio of visual elements to satisfy the optimal Level AAA requirements (minimum ratio of 7:1) and implementing valid accessibility code attributes, concluding that substantial improvements in website efficiency can be successfully achieved by prioritizing corrections within the core global template of the Undiksha website.

Keywords: Website Accessibility, WCAG 2.1, WAVE, Disabilities, Ganesha University of Education.

