ABSTRACT

Boostive is a web application that provides utility solutions through recommendations for beneficial applications and websites to enhance user creativity and productivity. Using specific frameworks, this application can be developed quickly and easily, allowing users to contribute by sharing information and exchanging ideas about beneficial activities. Effective and efficient website development is crucial in today's digital world. One of the key components in website development is the framework, a foundational structure that helps developers write cleaner, more structured, and manageable code throughout the application development process. This research aims to analyze the performance of the CodeIgniter and Next.js frameworks in developing the Boostive website, comparing the advantages and disadvantages of both frameworks based on manual identification results and website performance audits using Google Lighthouse, and determining the ideal framework to use in website development based on evaluation results. The research methodology involves three main stages: identifying and analyzing the Boostive website using the CodeIgniter framework, developing the Boostive website with the Next.js framework, and comparing the performance of the Boostive website based on test scenarios in Google Lighthouse. The performance parameters evaluated include performance, accessibility, best practices, and search engine optimization (SEO). The research results show that the Next.js framework excels in performance and SEO aspects, while CodeIgniter and Next.js have nearly balanced scores in best practices. Accessibility aspects are not entirely influenced by the framework used but depend on the developer's manual efforts to optimize accessibility elements. Next.js is ideal for dynamic websites that require high visibility in search engines. Meanwhile, CodeIgniter is suitable for simpler websites that do not require extensive SEO optimization. Developers must pay extra attention to aspects requiring manual improvements when developing websites with CodeIgniter. The Google Lighthouse audit results, along with the suggested improvements, can help developers enhance the website quality more quickly in line with best practices and existing guidelines.

Keywords : Boostive, CodeIgniter, Comparative Analysis, Framework, Google Lighthouse, Next.js