

## ABSTRACT

---

*In the continually evolving digital era, the need for efficient, fast, and reliable e-commerce platforms is becoming increasingly crucial. This project focuses on the implementation of Next.js, a React-based JavaScript framework, in developing an e-commerce platform for Talenta Komputer. Next.js is selected for its advantages in Server-Side Rendering (SSR), Static Site Generation (SSG), and significant web performance optimization. Talenta Komputer specializes in the sale of printers, computer ink, and other computer equipment. The design of the Talenta Komputer e-commerce website uses the waterfall method, which encompasses several stages such as requirement analysis, system design, programming, program testing, and program implementation. During the program testing phase, the author uses black box testing methods to ensure that the functions on the website operate correctly. The outcome of creating the Talenta Komputer e-commerce website is to facilitate users in purchasing products from the Talenta Komputer store.*

*Keywords: e-commerce, website, black box, talenta komputer, waterfall*