

## **DEVELOPMENT OF A WEB-BASED SMART PARK E-TICKETING SYSTEM USING LARAVEL FRAMEWORK**

*(Case Study: Taman Pintar Kota Yogyakarta)*

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### **ABSTRACT**

*The web-based e-ticket system is a solution designed to overcome obstacles in recording and registering visitors to Taman Pintar Kota Yogyakarta. In the previous ticket booking system, the process was still carried out manually (conventionally), causing problems and errors in collecting visitor data. This manual process also causes several other problems, such as long queues and a time-consuming ticket printing process. The aim of developing this e-ticketing information system is to improve the accuracy of visitor data collection, provide a more satisfying experience for visitors, and improve Taman Pintar's operational performance. The stages of this final assignment include several steps, namely literature study, field study through interviews with internal company parties, problem analysis, system analysis, data collection, system design, database implementation, system implementation, and system testing. By implementing this web-based e-ticket system, it is hoped that it can simplify the ticket ordering process, speed up the coordination of data and information in the visitor data reporting process, and make it easier for visitors to make online ticket reservations. The test results show that this system succeeded well through blackbox testing of 51 scenarios with a success rate of 100%. The development of the Taman Pintar e-ticketing system creates a good user experience through an easy-to-understand ticket ordering process, optimal user management, and secure integration with payment gateways. Managers also get convenience through complete reports, while automation and real-time updates provide operational accuracy and smoothness.*

**Keywords:** *Development, e-ticketing system, Taman Pintar, web.*