

# **DESIGNING A POS TICKETING APPLICATION FOR TOURIST ATTRACTIONS (Case Study: Karangjahe Beach, Rembang Regency)**

**ALFIAN ALESSANDRO EKO PUTRA**

*Informatics Study Program, Faculty of Science and Technology*

*University of Technology Yogyakarta*

*Jl. Ringroad Utara, Jombor, Sleman, Yogyakarta*

*Email: [alvianalexandro.com](mailto:alvianalexandro.com)*

## **ABSTRACT**

*This study, titled *Designing a POS Ticketing Application for Tourist Attractions*, explores the implementation of a Point of Sale (POS) application to improve operational efficiency and enhance visitor experience at Karangjahe Beach, located in Rembang Regency, Central Java. Despite its growing tourism potential, the beach still relies on manual ticketing systems at physical entrance gates, often resulting in long queues and visitor inconvenience. Additionally, the lack of diverse payment methods presents another challenge for tourists. To address these issues, this research focuses on designing and developing a POS application integrated with a payment gateway to facilitate faster and more convenient ticket transactions. The development process includes user needs analysis, intuitive interface design, and implementation of features that enable seamless ticket purchases. User testing was conducted to evaluate the application's effectiveness and user satisfaction. The results indicate that the POS application significantly enhances operational efficiency, reduces waiting time, and improves the overall visitor experience at Karangjahe Beach. This study contributes to the optimization of tourism destination management and supports the digital transformation of local attractions.*

**Keywords:** *Karangjahe Beach, POS Ticketing, Payment Gateway, Tourist Attraction.*