

INTISARI

Penelitian ini bertujuan untuk merancang dan membangun *website* Sistem Reservasi Tempat Wisata Janti Park yang dilengkapi dengan fitur rekomendasi menggunakan metode *Simple Additive Weighting* (SAW). *Website* ini dibangun untuk mengubah proses reservasi yang sebelumnya dilakukan melalui WhatsApp dan pencatatan manual menjadi sistem reservasi berbasis web yang lebih efektif dan efisien, sehingga memudahkan pengunjung dalam melakukan reservasi serta membantu pengelola dalam mengelola data reservasi. Proses pengembangan *website* menggunakan metode *Rapid Application Development* (RAD), analisis kebutuhan dilakukan dengan metode PIECES, pengujian fungsional menggunakan *Black Box Testing*, dan evaluasi tingkat kegunaan sistem menggunakan *System Usability Scale* (SUS). Metode SAW diterapkan dengan empat kriteria, yaitu harga, kapasitas, jumlah fasilitas, dan jumlah reservasi. Hasil penelitian menunjukkan bahwa *website* berhasil dibangun sesuai dengan kebutuhan pengguna dan mampu mendukung proses reservasi secara daring. Selain itu, metode SAW berhasil diimplementasikan untuk menghasilkan rekomendasi tempat melalui proses normalisasi, pembobotan, dan perangkingan. Hasil *Black Box Testing* menunjukkan bahwa seluruh fitur sistem berfungsi sesuai dengan kebutuhan fungsional, sedangkan hasil evaluasi menggunakan metode SUS memperoleh skor rata-rata sebesar 77,58 yang termasuk dalam kategori *Good*, sehingga menunjukkan bahwa sistem memiliki tingkat usability yang baik. Dengan demikian, dapat disimpulkan bahwa metode RAD berhasil diterapkan dalam pembangunan *website* Sistem Reservasi Janti Park, sedangkan metode SAW berhasil diimplementasikan sebagai fitur rekomendasi tempat berdasarkan kriteria yang telah ditentukan. *Website* yang dibangun telah memenuhi kebutuhan fungsional dan memiliki tingkat kemudahan penggunaan yang baik, sehingga layak digunakan sebagai media reservasi di Janti Park.

Kata kunci: Sistem Reservasi, Sistem Pendukung Keputusan, *Simple Additive Weighting* (SAW), *Website*, Tempat Wisata.

ABSTRACT

This study aims to design and develop a reservation website for Janti Park Tourist Attraction equipped with a recommendation feature using the Simple Additive Weighting (SAW) method. The website was developed to transform the previous reservation process, which relied on WhatsApp communication and manual record-keeping, into a more effective and efficient web-based reservation system. This system facilitates visitors in making online reservations while assisting administrators in managing reservation data more efficiently. The website development process employed the Rapid Application Development (RAD) method. System requirements were analyzed using the PIECES framework, functional testing was conducted through Black Box Testing, and system usability was evaluated using the System Usability Scale (SUS). The SAW method was implemented based on four criteria: price, capacity, number of facilities, and number of reservations. The results indicate that the website was successfully developed in accordance with user requirements and effectively supports the online reservation process. Furthermore, the SAW method was successfully implemented to generate location recommendations through normalization, weighting, and ranking processes. The Black Box Testing results showed that all system features functioned as expected, while the SUS evaluation achieved an average score of 77.58, which falls into the Good category, indicating that the system has a good level of usability. In conclusion, the RAD method was successfully applied in the development of the Janti Park Reservation System website, while the SAW method was effectively implemented as a recommendation feature based on predefined criteria. The developed website fulfills the required functional requirements and demonstrates good usability, making it suitable for use as an online reservation platform for Janti Park.

Keyword: Reservation System, Decision Support System, Simple Additive Weighting (SAW), Website, Tourist Attraction.