

## **ABSTRACT**

*Human Resources (HR) is one of the important aspects in an organization, so it needs to be managed properly. Husnul Khotimah Islamic Boarding School is one of the Islamic boarding schools that has a reputation that is quite calculated. Currently, there are around 4,500 students studying at Husnul Khotimah Islamic Boarding School, some even come from abroad. The number of employees at the Husnul Khotimah Islamic Boarding School is currently around 700 people. With the increasing number of students, faculty, and employees, manual data management systems such as Microsoft Excel that are currently used are considered no longer effective and efficient. So to overcome these problems, the author was encouraged to create a Human Resources Information System (HRIS) application called SIMATREN. This application is designed as a website platform that can be easily accessed by human resources and employees of Husnul Khotimah Islamic Boarding School. SIMATREN enables efficient and organized management of staffing data, attendance activities, and payroll systems. Employees also have self-access through self-service HRIS, which allows them to access personal information, manage leave, and attend training. The method used in designing this application is the waterfall system development cycle. In its development, to implement a user-friendly website it is necessary to check it by users using the System Usability Scale (SUS) method. With this SIMATREN application, it is expected to make it easier for Husnul Khotimah Islamic Boarding School to monitor employee performance and manage HR data more optimally.*

**Keywords:** *Human Resources, HRIS, Islamic Boarding School, SIMATREN, System Usability Scale*