

ABSTRACT

The process of recording public health data is a crucial step in improving health conditions using available data. However, this process often encounters challenges because it is done manually through writing in books or on paper, which can create new problems and hinder coordination among parties. To address these issues, a digital solution is presented through the website 'satutujuan.info', which facilitates the input of activity reports and enables reporting among kelurahan, puskesmas, and posyandu. Built on the WordPress platform, this website transforms the manual process into a digital one and provides data recap features.

The testing of the 'satutujuan.info' website covers various aspects, including technical, human resources (HR), and data security. Technical testing results using Google PageSpeed Insight indicate good performance, with average performance scores of approximately 88.39 and 87.23 respectively. Accessibility achieved an average score of 100, while best practices had an average score close to standard, with a slight outlier reaching 99.73. For Search Engine Optimization (SEO), the average score with outliers was 83.93, while without outliers it was 85. However, test results could be influenced by network speed. The human resources (HR) aspect showed a positive trend in the website's flexibility and performance, although there were some issues related to system downtime. Data security testing using OWASP ZAP identified several significant findings. The assessment of vulnerability levels, such as informative, low, medium, and high, reflects the risk levels found. Priority for improvement is given to high-level security issues first.

Overall, the 'satutujuan.info' website has successfully met needs and addressed most of the issues faced. However, there are still some areas that need improvement and further development.

Keywords: information system, wordpress, website, data processing