

ABSTRACT

Dasa Wisma is a group of mothers consisting of 10 to 20 households in an urban village that has important positions in the Family Welfare Empowerment (PKK) program to assist the community in considering family health. The Indonesian government implemented various programs to provide for Indonesian people's healthcare and one of the programs is the Healthy Indonesia Program with a Family Approach (PIS-PK) which focuses on the family approach. In Rancabolang Urban Village, the management of citizen data is still manual which can hinder the performance of dasa wisma so it becomes ineffective and inefficient.

To solve these problems, the authors developed a website-based information system to help dasa wisma in data management, data recapitulation, and information exchange. Researchers built the Information System of Dasa Wisma Rancabolang (SIDALA) by utilizing web technology and hosting using IDCloudHost. This system is built using the Laravel Framework to facilitate efficient development. The interface is designed to make it easier to use and accessibility for dasa wisma, urban village and posyandu admins. The features of the forms on the website have been adjusted to the information system specification based on the Minister of Health Regulation of the Republic of Indonesia No. 39 Year 2016 and interviews.

The system testing of the SIDALA website is tested using the Black Box Testing method to measure that the website is running properly. User Acceptance Test conducted to users obtained a result of 90% (Very Good), indicating that the website functions according to user requirements. Performance testing using Apache JMeter with 50, 100, and 150 users resulted in an average delay of 1.5 seconds/page, 3 seconds/page, and 2.9 seconds/page. Throughput obtained was 15.19 KB/sec, 17.68 KB/sec, and 26.49 KB/sec with 0% packet loss in all tests. These test results provide an overview of the performance of the SIDALA website that is reliable and responsive to user needs..

Keywords: Dasa Wisma, PIS-PK, PKK, Website