

ABSTRACT

Stunting is a condition when a child's growth is disrupted which is usually caused by malnutrition, then infection, and inadequate psychosocial stimulation. As a leading form of public health service, posyandu has a very important role in the process of dealing with stunting. Therefore we need a system that can detect whether or not a child is stunted, so that the posyandu can make optimal decisions about this situation. The stunting detection system in the form of a website and mobile application was built with the aim of helping Posyandu and the wider community to determine the z-score, which is then used to detect a child's nutritional state. In addition, this system was built with the aim of assisting the posyandu in recording data on children.

For evaluation of system development, various features available on the website and mobile application were tested, such as the z-score value on the mobile application and website which can then be used to detect nutritional status in children. Then a questionnaire was also distributed on satisfaction with the use of the stunting detection system to 20 people consisting of the village, posyandu cadres, and the general public, then conclusions were drawn from the answers to the questionnaire. Based on a survey that the author has conducted, community satisfaction with the system that has been designed is 97%.

Keywords: Website, Mobile Application, stunting, recording, posyandu.