

ABSTRACT

One of the problems facing the Indonesian people is the low quality of human resources (HR). This condition is caused by a lack of protein energy (PEM) as one of the main nutritional problems that occur in children under two years of age. Malnutrition is one of the causes of under-five mortality in Indonesia. The consequence of lack of nutrients in the long term is failure to thrive or stunting. One of the factors causing stunting is the mother's lack of knowledge about the concept of balanced nutrition for children. Therefore, a solution is needed to educate expectant mothers, especially young women, and mothers about stunting and how to prevent it. This solution must match the user profile, easy to use, attractive and can be used from anywhere. From these problems, a mobile-based application solution with a flutter framework is proposed called SiTingTing: Educational Platform to Prevent Stunting Based On Flutter, a promotive educational platform to increase the knowledge of young women, mothers who do not have children, pregnant women, and mothers who already have children. SiTingTing also provides several features to find out the health status of children based on several indicators, article features, see the nearest health unit feature, quiz feature, and shop feature. Based on the results of tests conducted by the author on June 20, 2022, the SiTingTing application is generally in the very good category, which means that the application function, appearance of the application, and the ease of use of the application are good and suitable for use by young women, pregnant women, and mothers who have been pregnant. have children. This is evidenced by the results of a survey filled out by users who have tried the SiTingTing application where an average score of 87.5% was obtained, where this figure was categorized as very good in the testing process.

Keywords: HR, stunting, education, motherhood, flutter