

ABSTRACT

Stunting is a serious public health issue that affects children's physical growth and cognitive development, particularly in Indonesia. One of its main contributing factors is the lack of optimal monitoring of maternal health during pregnancy, especially in rural areas. At Posyandu Jetis, Mojokerto, maternal health records are still managed manually, making them prone to errors, difficult to access, and inefficient. This study aims to design and develop a mobile application as a digital solution to support maternal health monitoring. The Prototyping method was employed, starting from user needs analysis, initial design, system development, to evaluation. The resulting application includes features for recording health checkups, assessing pregnancy risk levels, providing nutritional information, and offering pregnancy-related education. Evaluation results show a high usability level with an average SUS score of 80.4, and all test scenarios in black-box testing and User Acceptance Testing (UAT) passed successfully. Therefore, the application is considered feasible for supporting maternal health monitoring in Posyandu settings and holds potential for broader implementation in general healthcare services.

Keywords: *Stunting, Health Monitoring, Posyandu, Prototype*