

**MOBILE-BASED STUNTING RISK DETECTION APPLICATION FOR
TODDLERS**
USING ANTHROPOMETRIC METHODS
(Case Study: Mlati 1 Community Health Center)

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ABSTRACT

Stunting is a nutritional issue that poses significant risks for toddlers, particularly those aged two to five years, as this stage is critical for cognitive and physical development. The delayed growth caused by stunting can result in long-term impacts on brain development and overall child health. Addressing stunting through early detection and community awareness is essential for improving public well-being. This study presents the development of a mobile application as a practical tool to identify early signs of stunting and assess toddlers' nutritional status. The system employs anthropometric methods, measuring a child's weight, height, and age to generate accurate assessments. Built as an Android-based application, this tool, titled Stunting Mobile, serves as a diagnostic aid for healthcare professionals and allows parents to monitor their child's risk through the integrated "Stunting" feature. The application provides timely, accessible information and supports preventive health strategies by facilitating early intervention.