ANALISIS DETEKSI DINI STATUS STUNTING PADA BALITA MENGGUNAKAN METODE NAÏVE BAYES. (*Analysis Of Early Detection Of Stunting Status In Toddlers Using Naïve Bayes Method*)
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ABSTRACT

This study aims to develop an early detection system for stunting status in toddlers using the Naïve Bayes method. The research utilizes secondary data from the Kaggle platform and expert validation data collected through interviews with nutritionists. The developed system is a mobile application capable of predicting stunting status based on parameters such as age, height, gender, and breastfeeding history. In its development process, the researcher added a Z-Score feature based on WHO standards to classify stunting status. The data is processed using the Naïve Bayes algorithm with various training and testing data split ratios. System evaluation using a confusion matrix showed the best result with an 80:20 data split, achieving an accuracy of 76.92%. The developed application is intended not only for medical professionals but also for parents to monitor their children's growth and development from an early age.

Keyword: Naïve Bayes, Stunting, Early Detection