APPLYING TSUKAMOTO'S FUZZY METHOD IN DETERMINING TODDLER'S NUTRIENT STATUS BASED ON ANTROPOMETRI INDEX

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ABSTRACT

The development of information technology is needed to assist and support all fields. One of which is health sector. One of the problems encountered in the health sector is nutrition for children under five. The nutritional status of children under five needs to be continuously monitored because the nutritional status of children under five can illustrate the health, growth, and development of children. Therefore, in determining the nutritional status of children under five, information technology assistance is needed. The determination of the nutritional status of toddlers in this application uses the Tsukamoto fuzzy method. Tsukamoto's fuzzy method in determining the status of toddlers is expected to be used in integrated service posts to monitor the growth of toddlers so that children with low nutritional status can get better and faster treatment. Based on the results of testing the system that has been created with the Tsukamoto fuzzy method and testing using the standard anthropometric book, it has results that 80% of the 25 data tested, there are four that are not suitable, so it can be concluded that the system works successfully.

Keywords: Nutritional Status of Toddler, Fuzzy Tsukamoto, Anthropometry.