

## **ABSTRACT**

Nutritional status of children is an important thing to be known by every parent. The need for more attention in the development of under-fives is based on the fact that malnutrition occurs in this golden period, are irreversible (can not be recovered). Malnutrition is a condition in which a person is found nutritional deficiencies, or condition that the nutritional status is under the average standard. The need of a nutrition monitoring based on the number of parents are not aware of changing conditions their children. Parents can only determines the condition of children after doing a check on posyandu

Based on the fact about malnutrition that suffer children, this project makes an application to monitor the nutritional status of children. This application is an efficient because it can give an information about nutritional status of children that can be used by parents or posyandu. Android is the operating system of this application and the application is made based on the reference standard nutritional status of children ( WHO-NCHS (National Center for Health Statistics)). This application uses three main features, the first feature is an information about children, a feature that checks the information under five, which will display the schedule of immunization, vitamin A delivery schedule, type of feeding, stage of development, developmental stimulation, and ideal weight. The second feature is a forum for children that contain about an update information for children, media for sharing and for discussing the condition of children. The third feature is a calculator to check the nutrition of children, it uses three parameters : sex, age, and weight.

This application provides convenience and fast handling for parents and posyandu to monitor the condition of children nutrition so that cases of malnutrition that often occurs can be reduced by prompt and proper handling.

**Keywords:** Malnutrition, nutritional status, Android, children