

## ABSTARCT

In Indonesia, Growth charts has been used since 1974. Growth chart itself is a card that is useful to record and monitor the growth and development of children from birth to age 5 years. This monitoring is done by weighing the body weight, monthly height measurement at Integrated health post. With growth chart, growth disorders or risks of excess nutrients can be known earlier, so it can be done more quickly and precisely before the problem is more severe. In the process of charging growth chart, the data is filled in growth chart of toddlers, and then recaptured in the book owned by Integrated health post, it is done so that Integrated health post workers can keep monitoring the growth of toddler when the mother does not bring or lose growth chart when come to Integrated health post, but it is certainly less effective considering the development of technology in the modern era is now increasing rapidly.

So to accommodate these necessary, made an android-based mobile application which is user friendly. The application can store and provide data on the growth of children under five such as weight, height, and head circumference of children under five each month. Then information such as types of vitamins and immunizations that have or have not been given to childern. And can be able to recap data each childern at each registered Integrated health post.

The test results show, in testing functionality, all functions are running as they should. This final project resulted in an android application. Then, in qualitative testing, it was found that the qualitative calculation of mothers under five had an average value of 4.1, and the Integrated health post worker had an average value of 4.44 on a scale of 1 - 5. It can be concluded that according to the questionnaire score, the mPosyandu application was good.

**Keywords:** Growth Chart, Integrated Health Post, Android