

## **ABSTRACT**

*People in Indonesia make the smartphone as a major telecommunication equipment, including internet access. However, it is not balanced by the use of smartphones for health. The proof is, 4.6 million children under five years in Indonesia have malnutrition. Public awareness is still lacking on health, especially the health of children under five years and pregnant women.*

*This final project made an application monitoring nutritional children under five years, pregnant mother and puskesmas search based on Android. Additionally, it use a table (array) in the search for nutritional children under five years and pregnant women. So the search with sequential method done by matching the user input to the table. The proposed application implemented with the help of Android SDK and JDK software. This application uses JAVA programming language.*

*The analysis done in the form of checking the computation time of data retrieval. Data usage, RAM, and suitability program on the Android itself. This application is to help the society with periodical check nutritional status of children under five years and pregnant womens, the average of data usage is 2.03 MB, the average RAM is 11.85 MB and the computation time required for the search data is 44.13 ms for puskesmas, 0.013 ms for nutrition of children, and 0.011 ms for the nutrition of pregnant women.*

*Keyword : Android, Sequential Search Method, data, and JAVA*