

ABSTRACT

At this time a lot of humans, especially Indonesian people who experience diseases related to the body, such as obesity, diabetes, and even heart disease. The cause of the disease is closely related to a very irregular eating pattern in daily life.

Food itself is a basic need for humans. A variety of foods have been widely produced from light foods to staple foods that are eaten daily. Therefore we need a decision support implementation that can help when someone needs information about their daily nutrition at mealtime.

This application was built using the JAVA application, Android Studio, React Native, using the Linear Programming method as a nutritional counter for food recipes. This application is tested using automated testing that runs automatically which functions to compare the output value and the expected value. With the application of this nutritional calculator can help people especially Indonesian people in maintaining daily food patterns.

Key Words: *Nutrition, Obesity, Sugar Disease, Heart Disease, Food, JAVA,*

Android Studio, Linear Programming, React native