

ANDROID-BASED MEAL SHARING APPLICATION USING THE PAYMENT GATEWAY PAYMENT METHOD

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ABSTRACT

According to the Economist Intelligence Unit (EIU), Indonesia produces around 300 kg of food waste per person each year, only below Saudi Arabia with 427 kg per person each year. The next rank is occupied by the United States (277 kg) and the United Arab Emirates (196 kg). This amount makes Indonesia ranked second as the largest producer of food waste in the world. Not everyone has access to food that has large quantities but is close to expiration. Most food store owners or food manufacturers tend to throw away food that is still edible and replace it with new food stock. This results in food waste that can actually be sold at low prices or can be distributed to people who need it more. Android-based food-sharing applications will help reduce food waste by providing information about food that is shared by food store owners or food manufacturers. The Android-based food sharing application is developed using the Kotlin programming language and the software used by Android Studio, the server used uses the Firebase server to store data. This application will provide information about the food that is being distributed and you can buy it with the payment gateway payment method.

Keywords: Food, Food Waste, Food Sharing, Waste Reduction, Android, Kotlin, Firebase, Payment Gateway.