

## **ABSTRACT**

*In this Final Project, I took the topic by developing it based on the activities of the Village Community Empowerment Program (P2MD) which had been carried out from July to November 2022. The program taken took a case study on the sale of rengginang crackers in Cikakak Village, Batulayang Village, West Bandung Regency . Based on this case study, I developed it by providing information on the rengginang packaging using the QR Code which will make it easier for consumers to find information about rengginang.*

*The QR Code stores information on the date of manufacture, packaging, marketing and expiry of rengginang products. The programming language used is the PHP programming language: Hypertext Preprocessor (PHP) with MySQL database. Before the QR Code was created, a website was created that contained information about rengginang. The website will display complete information about the rengginang being sold. The QR Code is scanned using the QR Reader that is already on the smartphone. QR Reader uses a smartphone camera to detect QR Codes and read according to the information available. After that, the QR Code will directly link to the website that was created.*

*The results of the final project carried out show that the test results went as expected. These results are proven by alpha and QR Code testing. The website uses the domain [rengginangcikakak.com/pacintya](http://rengginangcikakak.com/pacintya). The results of the tests carried out were 100% that the menu could run. However, there is a menu description that is still not appropriate. QR Code size testing is carried out in the range 1-5 cm. The overall test was successful only at a size of 1x1 cm. Plus, something doesn't work. So, size affects QR Code scanning. This website can view products, add reviews, access product details, and view reviews. The final result produces a QR Code that can be scanned using a smartphone.*

**Keywords :** *QR Code, website, rengginang, information, smartphone*