

## ABSTRACT

*The development of information technology in the culinary sector has a considerable impact, such as in the food ordering process, buyers do not need to order it directly to the place, but only need to install a certain application and can carry out all existing ordering processes through the application.*

*The number of restaurants, cafes, and restaurants in the city of Bandung reached 782 in 2016 (Bandung Central Bureau of Statistics, 2016). However, in 2020 there are 3279 restaurants, cafes, and restaurants in the city of Bandung (Zomato, 2020). This shows that the culinary development in the city of Bandung is very fast for 4 years. This figure also shows the increasing number of culinary connoisseurs who come from the city of Bandung itself or from other cities.*

*Some of the business processes in the culinary sector, such as cafes and restaurants, are currently still carried out conventionally. For example, buyers have to queue at the cashier to place an order at the same time as payment or have to call a waiter to the table to order food. With such circumstances, some processes that are done conventionally can be automated with information technology so as to simplify and speed up processes that are mutually beneficial.*

*In this research, an application will be built that allows buyers to order food online so they don't have to queue, order food from the table which can cut the time waiting for waiters to come to the table, and make cashless payment processes so that buyers can have many choices.*

*To get good results in the development of the EatAja application, the architecture is divided into several layers, namely back end API, front end, and mobile (Android). This research will focus on developing back end API and front end / EatAja website. The back end concept used in this research is the REST architecture which is applied to the API. This concept can facilitate distribution from one server to various clients, both on mobile platforms and websites. To support the REST concept in the research, the Laravel framework is used as the back end and ReactJS as the front end.*

*The software development method used in this research is Iterative Incremental, where this method makes user needs a priority. This method is in accordance with EatAja's current condition, which is a few developer resources but requires good results from user needs. The number of iterations required in this study was 3 times to produce the alpha version of EatAja.*

*The results of this research are back end applications that provide all functions for website or mobile clients, as well as front end applications that can help the customer side carry out the main business processes at the EatAja startup.*

*Key words: restful API, Laravel, Iterative Incremental, ReactJS.*