ABSTRACT

The rapid growth of information and communication technology has a major impact on various aspects of life, including in the field of food service. This culinary industry is an industry that is favored by entrepreneurs. The rapid growth of technology also affects business competition in this field. Langgeng Catering accepts various kinds of orders, including market snacks, donuts, bread, boxed rice, tumpeng rice, and can accept food orders according to customer wishes. From the results of an interview with Mrs. Kuswati, S.E., as the owner of Langgeng Catering, until now order management is still carried out using conventional methods, namely by manual recording through paper or communication via phone and *WhatsApp*. This method has several drawbacks, such as the risk of data loss and recording errors that can have an impact on customer satisfaction. Therefore, a solution is needed in the form of *an e-catering* system that is able to increase efficiency in the ordering process and order management. *The website* will use *Python* as a *backend* by utilizing *the Flask* Framework and *MongoDB* as the storage database. This *website* provides ordering services more easily, quickly and efficiently. This research can help Langgeng Catering's customers in placing orders and assisting catering owners in managing orders. This research succeeded in building *an e-catering website* for Langgeng Catering using the *Prototype Method*. The development process involves the stages of problem identification, data collection, application design using UML and *wireframes*, system implementation with *the Flask Framework* as the *backend* and *MongoDB* as the database. The developed system supports features such as dynamic categories, distance-based shipping cost calculation, delivery notifications, and order data management. Based on testing using *the black-box* testing method on the 46 features tested, all features were successful with a success rate of 100%, indicating that the system has met the test criteria and is suitable for use..

Keywords : ***Catering Ordering, E-Catering, Prototype, Flask, Culinary Industry, MongoDB, Python***