

ABSTRACT

This final project focuses on the development of a technology service system for the campus startup Ngolab Holding. Ngolab is a university-based startup engaged in food and beverage (F&B) services and coworking space, located at Telkom University. In its operations, several issues were identified, such as manual order recording and lack of coordination between cashier and kitchen staff, which led to delays and potential order errors. This project aims to develop a web-based Point of Sale (POS) system integrated with a Kitchen Display System (KDS) to streamline the ordering process and improve inter-department communication. The system is built using Laravel for the backend and Tailwind CSS for the frontend. With this system, orders can be displayed in real-time in the kitchen, and their status can be updated directly. The implementation results show improved efficiency, reduced error rates, and more structured data management. This system is expected to support Ngolab's daily operations and enhance service quality for the academic community of Telkom University.

Keywords: Point of Sale, Kitchen Display System, Laravel, Tailwind CSS, Ngolab Holding, Campus Startup