

## ABSTRACT

### ***Design and Implementation of a Web-Based Coffee Production Management System at CV. Sumber Bahagia Palembang***

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*Advances in information technology have significantly impacted the efficiency and effectiveness of production activities across various industrial sectors. CV. Sumber Bahagia Palembang is a company engaged in processing raw coffee beans into ready-to-drink coffee powder. In its production process, the company still faces challenges in recording production data, managing raw material inventory, and reporting production results, which are still done manually, potentially leading to data errors and delays in information.*

*This research aims to design and implement a Web-Based Coffee Production Management System that can assist the company in managing production data in an integrated manner. The system development method used is the waterfall method, encompassing the stages of needs analysis, system design, implementation, and testing. The system was developed using the PHP programming language and a MySQL database.*

*The results show that the designed system simplifies the process of recording raw materials, production output, and reporting warehouse stock in real time. Furthermore, the system also facilitates managers in monitoring production activities and decision-making. With this system, it is hoped that the production process at CV. Sumber Bahagia Palembang will be more efficient, accurate, and well-controlled..*

***Key Word: Production Management System, Web, CV. Sumber Bahagia, Coffee, Waterfall.***

