

## **ABSTRACT**

**APPLICATION OF THE EXTREME PROGRAMMING (XP) METHOD IN THE DESIGN  
OF CATALOG INFORMATION SYSTEMS AND SALES TRANSACTIONS  
HELOGEN STORE PURWOKERTO  
(CASE STUDY: HELOGEN STORE PURWOKERTO)**

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*The rapid development of technology has a major impact on the business sector, including Toko Helogen, a distro in Purwokerto that sells various fashion products such as t-shirts, pants, jackets, shoes, and other accessories. Currently, marketing still relies on Instagram and WhatsApp, so product data is not well organized. In addition, the management of records of sold goods is still done manually using books that are at risk of being lost or slipped. This research was conducted with the aim of developing a store information system with product catalog features as marketing media and a sales recording system with the admin as the actor. This system development uses the Extreme Programming method, which includes four stages: planning (data collection and analysis), design (UML diagram modeling), coding (using Laravel PHP, JavaScript, HTML, CSS, and MySQL), and testing (Black Box and System Usability Scale). The test results indicate that the catalog system and Admin dashboard have met the functional requirements. The SUS score of 82.93 proves that the system is easy to use, efficient, and produces a good user experience. The success of the Extreme Programming method in this research represents its effectiveness in developing quality systems according to user needs.*

**Keywords:** *Black-box testing, Distro, Laravel, Extreme Programming Method, Information System, System Usability Scale (SUS).*