



**IMPLEMENTATION OF A WEB-BASED SYSTEM FOR WAREHOUSE
INVENTORY BALANCE MANAGEMENT**

UNDERGRADUTE FINAL PROJECT

**Submitted as one of the requirements to obtain
Sarjana Komputer (S.Kom.)**

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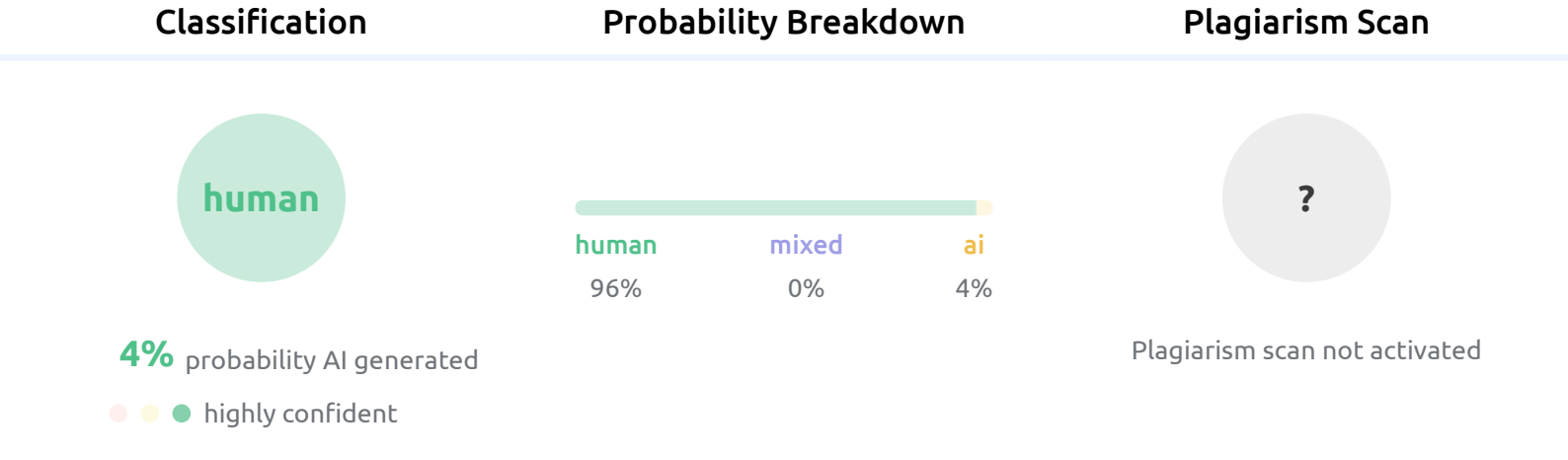
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ABSTRACT

The purpose of this research is to maximize warehouse inventory balance management inside a company by proposing and implementing a web-based solution. A key factor in guaranteeing the availability of goods required for business operations is warehouse inventory. But issues with inventory management are common; these include the risk of losing goods, the mismatch between supply and demand, and the challenge of effectively monitoring and controlling inventory balances.

In order to solve these problems, a web-based approach is used in this study. The suggested solution makes advantage of online technology to provide logistics teams, warehouse managers, and other pertinent employees with simple and adaptable access. Real-time inventory balance monitoring, automatic notifications upon hitting minimum or maximum stock limitations, and demand trend analysis to support inventory planning are some of the system's key features.

A software development life cycle methodology served as the foundation for system development, including phases including requirements analysis, UI design, system implementation, testing, and assessment. The solution made advantage of contemporary web technologies, including HTML, CSS, and JavaScript programming languages for a user interface that is responsive.

Keywords: Web-based System, Inventory Balance Management, Warehouse, Inventory Management, Operational Optimization.

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