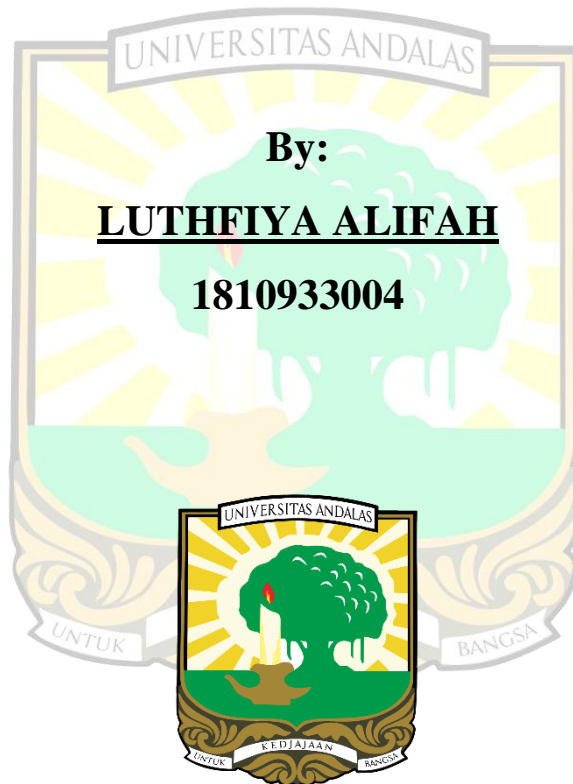


**INFORMATION SYSTEM DESIGN FOR LOGISTIC  
MANAGEMENT SYSTEM IN LAYER POULTRY  
FARMING**

**FINAL PROJECT REPORT**

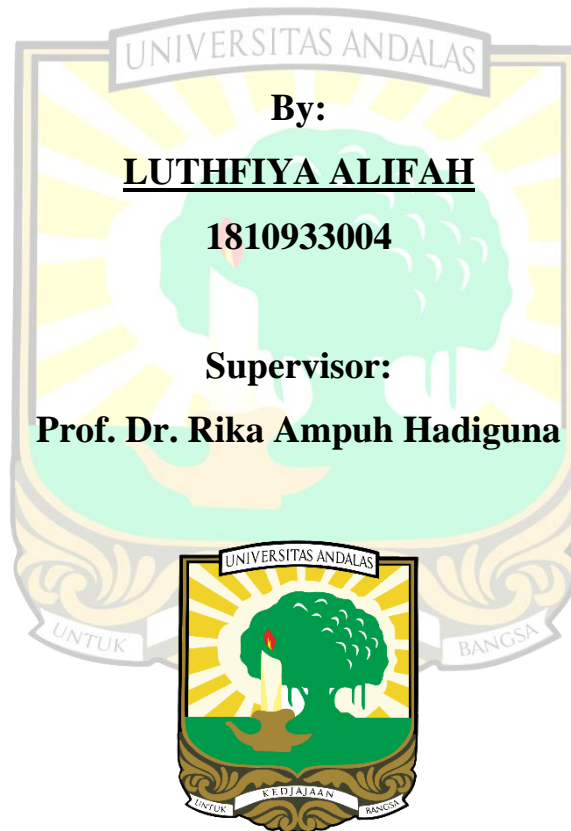


**DEPARTMENT OF INDUSTRIAL ENGINEERING  
FACULTY OF ENGINEERING  
ANDALAS UNIVERSITY  
PADANG  
2022**

**INFORMATION SYSTEM DESIGN FOR LOGISTIC  
MANAGEMENT SYSTEM IN LAYER POULTRY FARMING**

**FINAL PROJECT REPORT**

*submitted to fulfill one of the requirements for obtaining a Bachelor's degree in  
Industrial Engineering, Faculty of Engineering, Universitas Andalas*



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## ACKNOWLEDGEMENT

Praise be to Allah the Almighty God who has given his grace and blessings that allowed the author to conduct this study and finished the final project report, entitled “Information System Design For Logistic Management System In Layer Poultry Farming” to fulfill the requirement of a bachelor's degree in Industrial Engineering Department, Engineering Faculty, Andalas University.

This final project will discuss the logistics management information system that was designed by using the Design Thinking method. The company still uses manual methods in carrying out logistics management activities. Logistics management information system can support business strategy, which makes the business development can improve effectively by making faster decision-making and data control related to their logistic activity. In this project, chapter I will discuss the introduction of this project. Chapter II will contain the literature review for solving the project problems. Chapter III will discuss the method used in solving the problems that occurred. Chapter IV will contain the data collection from current conditions and data processing based on the design thinking method. Chapter V will discuss the data processing result. Chapter VI will contain conclusions and suggestions for the research.

The author would like to express sincere gratitude and appreciation to Anugrah Farm that providing assistance and facilitating the implementation of this research. This final project report would not be complete without the help and support from various parties. Therefore, the author wishes for this report to be beneficial for the readers.

Padang, August 2022

Author

## ABSTRACT

Logistics has an important role for companies to be able to manage products from production, then storage, until delivered to the customer. Anugrah Farm is a company that is engaged in the layer poultry farm industry. The company still uses manual methods in carrying out logistics management activities. It makes the collecting data process take a long time and hard to do data monitor. Therefore, a logistics management information system was designed for egg inventory data collection, transaction data collection, and customer information. This information system is designed to facilitate the management of eggs logistics data and make logistics activities run more effectively. The logistics information system is designed by using the Design Thinking method that focuses on users or employees related to logistics, which are administrative employees, logistics managers, and directors. Based on the testing result, this application can meet the user's needs to reduce the time for data recording activities and data processing can be done in real-time. This system can be a good investment for the company to grow. The company is expected to maintain the implementation of this system by providing the needs related to the development of this technology and the human resources to operate the system. So, the logistics information system can help the company to increase their productivity in faster decision-making and data control related to their logistic activity.

**Keywords:** Logistics, Information Systems, Design Thinking

## ABSTRAK

*Logistik memiliki peranan penting bagi perusahaan untuk dapat mengelola produknya mulai dari awal produksi, penyimpanan, hingga pengiriman kepada konsumen. Anugrah Farm merupakan perusahaan yang bergerak pada industri peternakan ayam petelur. Perusahaan masih menggunakan metode manual untuk melakukan aktivitas manajemen logistiknya. Hal ini menyebabkan kegiatan pendataan berjalan lama dan sulitnya pengawasan data. Maka dari itu dibentuk sistem informasi manajemen logistik pada Anugrah Farm untuk pendataan persediaan telur, pendataan transaksi, dan informasi pelanggan. Sistem informasi ini dirancang untuk memudahkan manajemen data logistik telur dan menjadikan kegiatan aktivitas logistik dapat berjalan lebih efektif. Sistem informasi logistik dirancang menggunakan metode Design Thinking yang berfokus pada user atau pegawai yang terkait dengan logistik, yaitu pegawai administrasi, manager logistik, dan direktur. Berdasarkan hasil pengujian, dapat diketahui bahwa aplikasi ini mampu memenuhi kebutuhan pengguna untuk mengurangi waktu pada kegiatan pencatatan data dan pengolahan data dapat dilakukan secara langsung. Sistem ini dapat menjadi investasi yang baik bagi perusahaan untuk berkembang. Perusahaan diharapkan dapat mengimplementasikan sistem ini dengan menyediakan kebutuhan yang terkait dengan perkembangan teknologi ini dan sumber daya manusia untuk mengoperasikan sistem. Dengan demikian, sistem informasi logistik ini dapat membantu perusahaan untuk meningkatkan produktivitasnya dalam pengambilan keputusan yang lebih cepat dan pengendalian data terkait dengan aktivitas logistiknya.*

**Kata Kunci:** Logistik, Sistem Informasi, *Design Thinking*