



**DESIGN OF A WAREHOUSE MANAGEMENT SYSTEM PROTOTYPE  
USING RFID TECHNOLOGY FOR PT INDOCEMENT TUNGGAL  
PRAKARSA TBK**

**UNDERGRADUATE THESIS**

**Submitted as one of the requirements to obtain**

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**FACULTY OF COMPUTING**

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**CIKARANG**

**SEPTEMBER, 2023**

## **PANEL OF EXAMINER APPROVAL**

The Panel of Examiners declare that the undergraduate thesis entitled **DESIGN OF A WAREHOUSE MANAGEMENT SYSTEM PROTOTYPE USING RFID TECHNOLOGY FOR PT INDOCEMENT TUNGGAL PRAKARSA TBK** that was submitted by **MAXIMILIAN ENRICO PUDJO** majoring in **Information System** from the Faculty of Computer Science was assessed and approved to have passed the Oral Examination on Tuesday September 26, 2023.

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TECHNOLOGY FOR PT INOOC MENTUNG GALPRAKARSATRA**

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## **ABSTRACT**

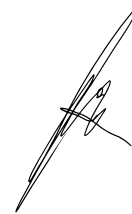
In the PT. INDOCEMENT TUNGGAL PRAKARSA TBK warehousing system, some many goods and employees are responsible for these goods. Recording incoming and outgoing goods data manually sometimes causes errors that can be fatal for a business. To overcome this problem, an Android-based warehouse management system uses Radio Frequency Recognition (RFID) technology. With this system, incoming and outgoing goods data is done automatically to avoid mistakes. In addition, the use of RFID technology can also be used for tracking the location of goods and employees statically. Knowing the place and time of goods and workers in the warehouse can make it easier to control all running processes. The use of the Android platform aims to support the mobility of the users of this warehouse management application.

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4. All of computing students, especially those from batch 2020, who always supported me during my studies at President University.

Jakarta, September 27<sup>th</sup> 2023

A handwritten signature in black ink, consisting of several overlapping, fluid strokes that form a stylized name.

Maximilian Enrico Pudjo

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