



**Web-Based Application Management System for "ALLEN  
Laundry"**

**UNDERGRADUATE FINAL PROJECT**

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

**Sarjana Komputer**

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**FACULTY OF COMPUTING**

**INFORMATION SYSTEM STUDY PROGRAM**

**CIKARANG**

**SEPTEMBER, 2023**

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2023

**WEB-BASED APPLICATION MANAGEMENT SYSTEM FOR  
"ALLEN LAUNDRY"**

By

Naufal Shidqan Sayyidan

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Thesis Advisor

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Program Head of Information System

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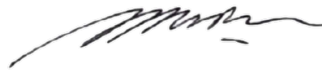
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**Low:** Simplicity, Average Sentence Length

**High:** Burstiness, Perplexity, Percent SAT

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### AI Scan

**0%** This text is most likely to be written by **a human**

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A laundry management system is an application that allows us to manage data, transactions and resources for goods or services more effectively.

The main aim of this application is to make the transaction process easier and provide information from the process, manage data, provide data reports and analyze using dashboards.

This software enters data into a cloud database that will not be lost for a long time.

CodeIgniter will be used as a container to build the system.

### 3.2Functional Analysis

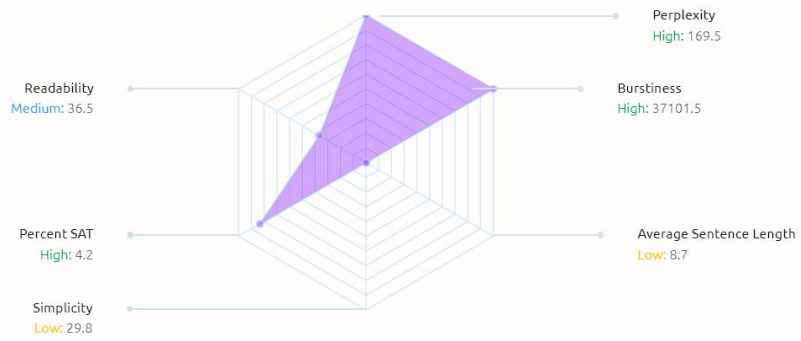
This application has several functions that shown by Table 3.1:

Table 3.

1 Table of Functionalities of ALLEN Laundry

**17/89** sentences are likely AI generated. [i](#)

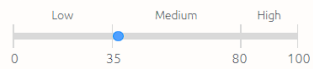
## Writing Analysis



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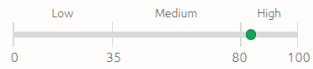
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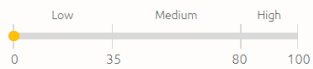
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Measures what percentage of words are SAT words, terms from a standardized college admissions exam known for its labyrinthine vocabulary lists.



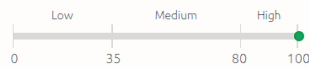
### Simplicity: 29.8 %

Measures what percentage of words are in the 100 most common words in the English language.



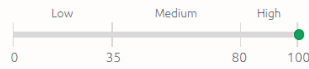
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How familiar a piece of text is to large language models like ChatGPT.



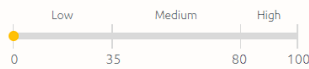
### Burstiness: 37101.5

Unique score developed by GPTZero in 2022 that correlates to variance in writing. Humans generally vary their writing patterns over time.



### Average Sentence Length: 8.7 words

Unique score that correlates to variance in writing, where humans generally vary writing patterns.



## ABSTRACT

Data regularity and accuracy is a priority for business, management and speed in transactions are very important. The impact of the era of globalization has resulted in the rapid development of technology which previously used paper and physical documents, switching to the cloud. All macro and micro business sectors are required to implement the latest technology for their system managers. One way to implement this is to develop an information system focused on this sector.

In this final project, a Management System was developed to manage web-based data and reports which includes features for recording data on employees, customers, goods, services and reporting on each of the above items for the ALLEN laundry business. The system was developed with rapid application development, and in a short cycle in the development process. For the programming language, it uses CodeIgniter and SQL Server as the database management system. The system created can make it easier for business managers to process transactions (order/expend), employee and customer data management, price management and get reports from each recorded data based on a specified range.

Keyword: *Laundry, Transaction, Report, Data Management*

## **DEDICATION**

I would like to dedicate this thesis to God Almighty, my father, mother, brother, and all my friends who always support me during my studies in President University until now.

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First of all, I would like to express my greatest gratitude to God Almighty for all His blessings and guidance especially during my studies in President University.

I also would like to thank for the following parties for their help and support:

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4. All of computing students, especially batch 2020 who had support and helped me during my studies.

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