



**ERP SYSTEM FOR SHUTTLE SERVICE MANAGEMENT
AT PT DARPA ASHIYA MANUNGAL**

UNDERGRADUATE THESIS

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

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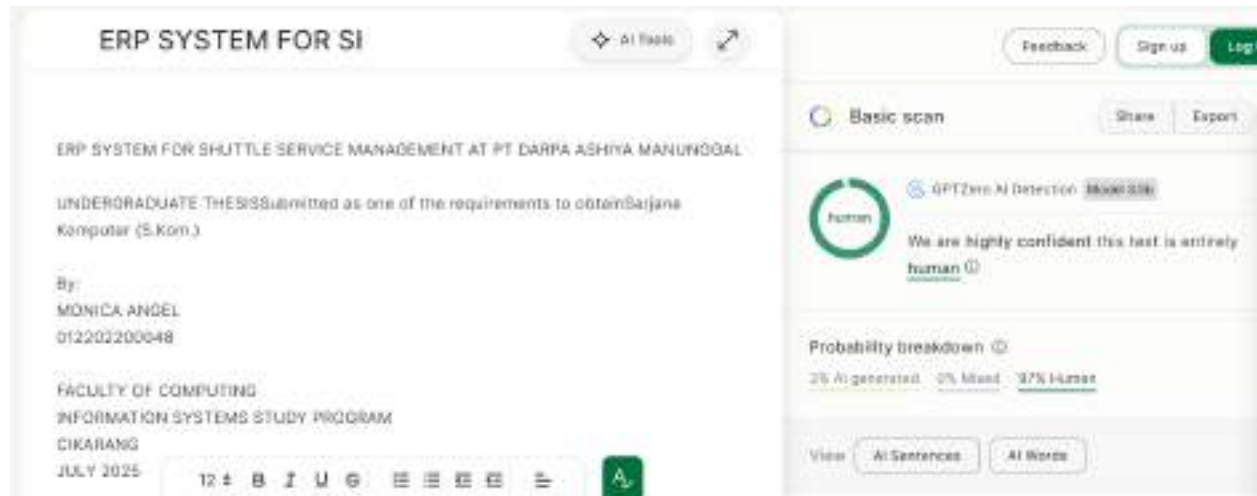
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A. Problem Formulation



B. Problem Constraint Analysis



C. Problem Functional Analysis

ABSTRACT

PT. Darpa Ashiya Manunggal is a company which the business activity is providing employee shuttle services for its client. However, the company is currently heavily rely on manual processes in request scheduling, optimize routing, estimating cost, payroll, financial report, and approval. These manual processes introduce a variety of inefficiencies such as time-consuming coordination, incorrect routing, ease of counterfeiting driver work logs, invoicing, payroll processing, and generating accurate financial reports. In response to these challenges, this study aims to develop an integrated Enterprise Resource Planning (ERP) system for PT Darpa Ashiya Manunggal to automate and optimize the company's business processes, improve operational efficiency, and support better decision-making.

The method followed is qualitative study by interviewing the manager of PT Darpa Ashiya Manunggal to gather the data of current business process which then transformed into the design of improved business process aligning with the company's business requirements analysis. Then, the project will proceed through phases of design, development, testing, and implementation. The approach of Agile Software Development Life Cycle (SDLC) methodology will be employed to manage these phases for flexible and iterative process.

The result of this project has showed that the developed ERP system can improve the operational efficiency, reduce human errors, and increasing accuracy. Overall, the ERP system provides a technology foundation for PT. Darpa Ashiya Manunggal to improve process management, facilitate sustainable growth, and enhance quality and reliability of its employee transport services.

Keywords: Enterprise Resource Planning (ERP), employee transport services, process automation, operational efficiency, service quality.

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