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CASH RECEIPT AND DISBURSEMENT INFORMATION SYSTEM AT AL-FATIH INDONESIA RAYA FOUNDATION GARUT REGENCY

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Abstract: This research aims to design and develop an information system that can simplify and streamline the process of recording cash inflows and outflows at the Al-Fatih Indonesia Raya Foundation in Garut Regency. Currently, the recording process is still done manually, making it prone to errors and delays in the preparation of financial reports. With this information system, it is hoped that the financial management process will be more effective, efficient, and accurate. The system development method used is Rapid Application Development (RAD), which consists of four main stages: needs analysis, system design, development, and implementation. This system was built using Microsoft Visual C#.NET as the programming language, with the database managed using Microsoft Access 2016. The result of this research is a design for an information system for recording cash inflows and outflows that can improve the speed, fairness, and security of the foundation's financial data processing. With this system, the foundation is expected to obtain more accurate and easily accessible financial reports, thereby supporting transparency and accountability in the management of organizational funds.

Keywords: information system; cash receipt; cash disbursement; microsoft; visual c#.net.

1. Introduction

With the increasingly modern use of computer technology in various sectors, financial data processing can be carried out more effectively, resulting in accurate and easily accessible information. Through computerized accounting data processing, appropriate information can be generated and support decision-making processes in both companies and institutions. The rapid development of computer technology has significantly impacted various aspects of life, from economics and politics to education and government systems.

Many tasks previously performed manually have now shifted to computer systems to adapt to current trends, including the management of cash receipts and disbursements at the Al-Fatih Indonesia Raya Foundation in Garut Regency. Computers can be programmed to suit an agency's needs, simplifying work, speeding up processes, and producing more accurate information. Consequently, more and more institutions are requiring the use of computers to support their financial information systems.

According to Hidayatullah et al. (2023: 4), an information system is defined as a structured mechanism that provides relevant information to support decision-making and the continuity of business activities within a company. With a computerized information system, data can be prepared quickly, accurately, and well-organized.

In a financial context, Angow et al. (2023) explain that cash receipts can be defined as cash inflows that increase an entity's cash balance or bank account, whether from revenue, receivable settlements, fund transfers, or other forms of receipt. Meanwhile, according to Rizki & Kirana (2024), cash disbursements can be understood as cash outflows that reflect a reduction in a company's cash assets due to payment obligations related to operational activities.

For a foundation, particularly the Alfatih Indonesia Raya Foundation in Garut Regency, information regarding cash receipts and disbursements is crucial as a reference for preparing financial reports, budget planning, and evaluating fund management each period. Cash is a vital component in supporting the foundation's operational activities. With the implementation of a computerized system, it is hoped that administrative management at the social institution will be more organized and accurate.

Rapid technological advancements have encouraged many institutions and agencies, including the Al-Fatih Indonesia Raya Foundation in Garut Regency, to begin utilizing computer-based information systems to accelerate data presentation and reduce reliance on manual record-keeping. Therefore, the implementation of a financial information system capable of integrated cash flow management is necessary to ensure the effectiveness, speed, and reliability of the foundation's financial management.

2. Research Method

The research method used in this study is descriptive. This method is intended to provide a systematic overview of a phenomenon, with the goal of explaining and ensuring the accuracy of the object being studied (Ramdhan, 2021:7).

In this research, the author applies the Rapid Application Development (RAD) method as an approach to the information systems development process.

According to Wijayanto et al. (2024: 43-44), Rapid Application Development (RAD) is a method for developing software that focuses on the development cycle. The following is an explanation of the stages of the RAD method that the author will use:

1. Planning

The requirements planning stage is the initial step in the system development process. This stage involves identifying existing problems and collecting data and information from stakeholders and users. The primary objective of this stage is to formulate the system's final objectives and determine the type of information required. Active participation from all parties is essential to clearly define system requirements.

2. System Design

The system design phase aims to produce a design that meets the identified needs. User involvement is essential in this phase, as the design will be repeatedly reviewed and refined until it meets the requirements. The final output of this phase is a software specification document, which includes the design of the data structure, system architecture, and other supporting elements.

3. Development

In the development phase, the previously designed and agreed-upon system design is implemented into a beta version of the application as a prototype before the final release. Developers in this phase are required to conduct testing, integration, and adjustments based on user and client feedback. If the application meets requirements, development proceeds to the next phase. Conversely, if the application does not meet standards, improvements are made from the system design phase.

4. Implementation

In the implementation phase, the established system design begins to be realized in the form of an application. Before the application is deployed, a trial run is conducted to identify and correct any remaining errors. Furthermore, the developer provides a report on the system development results to users or stakeholders for further approval.

3. Result And Discussion

3.1 Current Flowmap

Current document flowchart for cash receipts and disbursements at the Al-Fatih Indonesia Raya Foundation, Garut Regency.

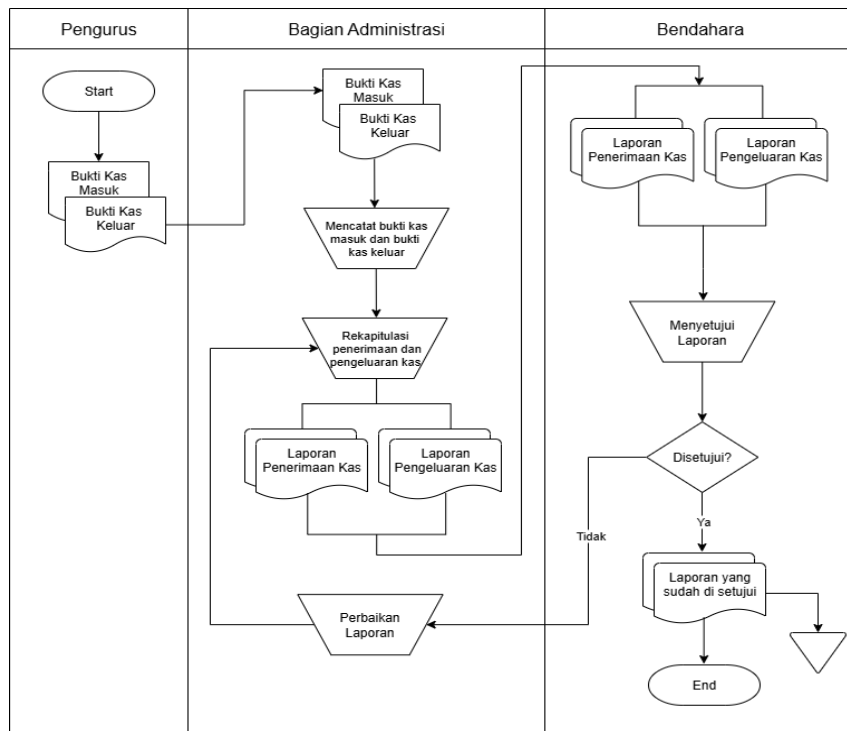


Figure 1. Current Flowmap

3.2 Proposed Flowmap

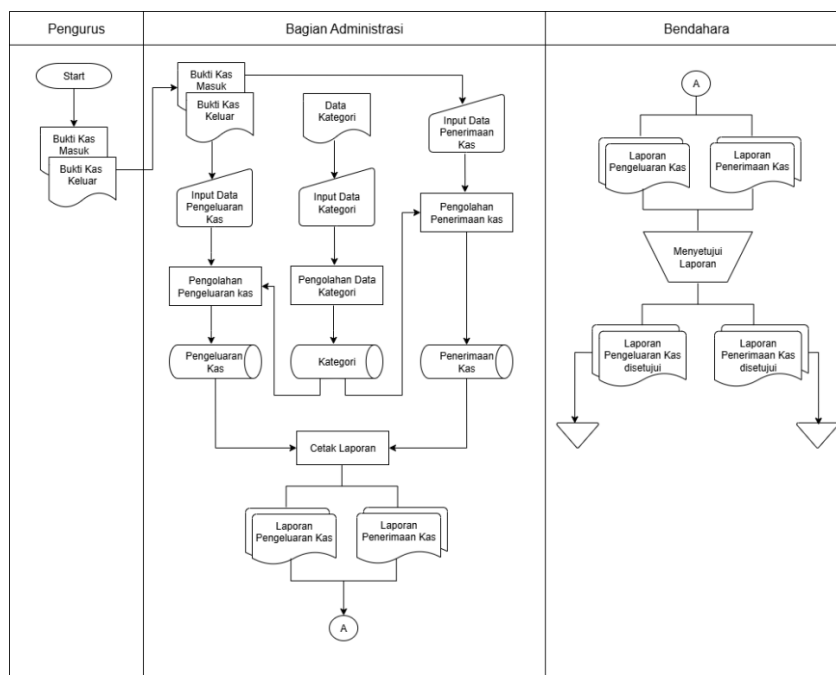


Figure 2. Proposed Flowmap

3.3 Context Diagram

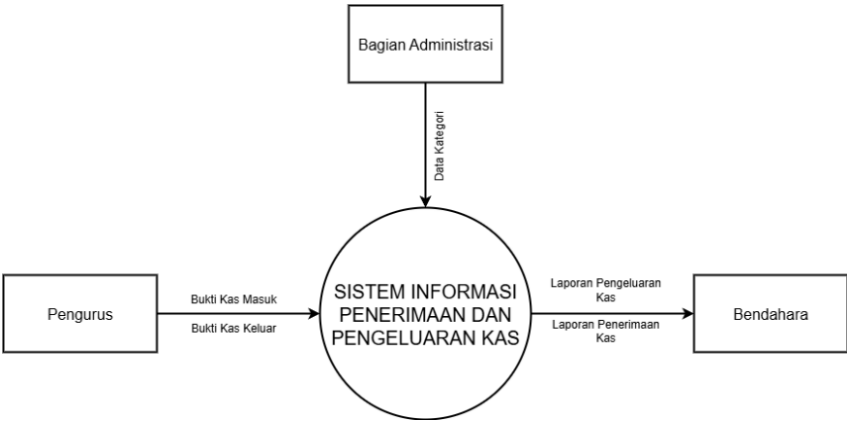


Figure 3.Proposed Context Diagram

3.4 Data Flow Diagram

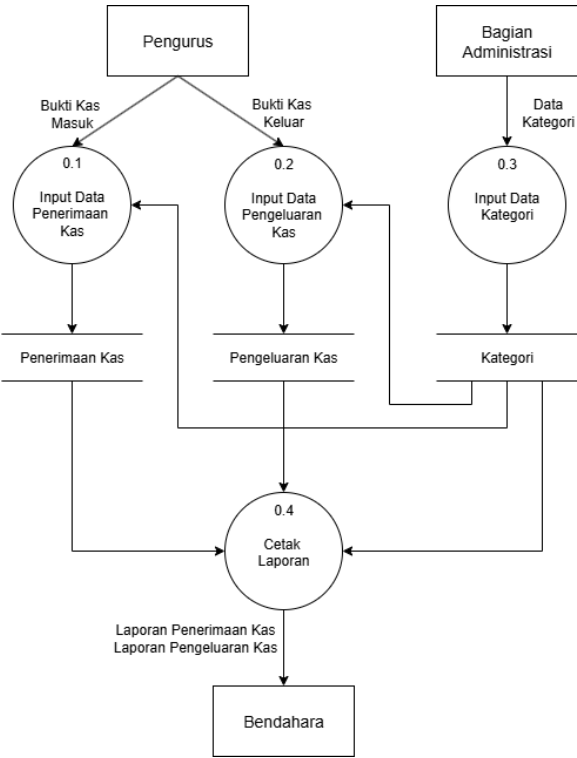


Figure 4. Proposed Data Flow Diagram (DFD)

3.5 Entity Relationship Diagram

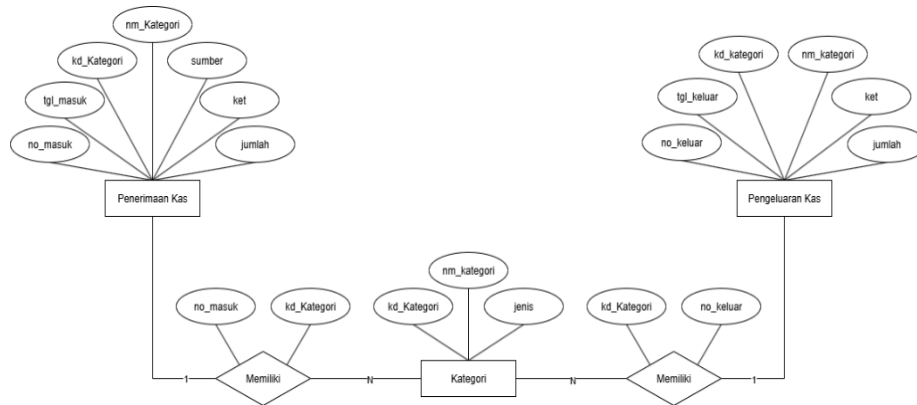


Figure 5. Proposed Entity Relationship Diagram (ERD)

3.6 Screen Design

3.6.1 Login Screen Design



Figure 6. Login Screen Design

3.6.2 Main Menu Screen Design



Figure 7. Main Menu Screen Design

3.6.3 User Screen Design

Add Pengguna Baru

Nama Pengguna

Password

Nama Lengkap

Simpan

Hapus

Kembali

Figure 8. User Screen Design

3.6.4 Category Screen Design

Add Kategori Baru

Kode Kategori

Nama Kategori

Jenis

Simpan

Hapus

Kembali

Figure 9. Category Screen Design

3.6.5 Cash Receipt Screen Design

PENERIMAAN KAS
YAYASAN AL-FATIH INDONESIA RAYA
Kp. Cikarag RT.02/ RW.01 Desa. Cinagara Kecamatan. Malangbong Kab. Garut

Input Penerimaan Kas

No. Masuk Sumber **Simpan**

Tanggal Masuk Keterangan **Hapus**

Kode Kategori Jumlah **Kembali**

Nama Kategori

Figure 10. Cash Receipt Screen Design

3.6.6 Cash Receipt Report Screen Design

Pilih Tanggal

Dari Tanggal **CARI**

Ke Tanggal **KEMBALI**

Main Report

LAPORAN PENERIMAAN KAS
YAYASAN ALFATIH INDONESIA RAYA
Jl.Nasional III Malangbong Tasikmalaya KM. 53, Kp. Cikarag Ds. Cinagara, Kec. Malangbong, Kab. Gar

08/27/2025

Tanggal	No. Masuk	Kode	Keterangan	Ju
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Figure 11. Cash Receipt Report Screen Design

3.6.7 Cash Disbursement Screen Design

PENGELUARAN KAS
YAYASAN AL-FATIH INDONESIA RAYA
Kp. Cikarag RT.02/ RW.01 Desa. Cinagara Kecamatan. Malangbong Kab. Garut

Input Pengeluaran Kas

No. Keluar

Tanggal Keluar Keterangan

Kode Kategori Jumlah

Nama Kategori

Figure 12. Cash Disbursement Screen Design

3.6.8 Cash Disbursement Report Screen Design

LAPORAN PENGELUARAN KAS
YAYASAN ALFATIH INDONESIA RAYA
Jl.Nasional III Malangbong Tasikmalaya KM. 53, Kp. Cikarag Ds. Cinagara, Kec. Malangbong, Kab. Garut

08/27/2025

Tanggal	No. Keluar	Kode	Keterangan	Ju
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Figure 13. Cash Disbursement Report Screen Design

3.7 System Test Result

The test results showed that all key features functioned properly. The input of receipts and disbursements data was successfully saved to the database without error, and the system automatically calculated balance changes based on the entered transactions. Furthermore, the monthly report printing feature produced accurate output that matched the stored data.

During testing, several minor errors were identified, such as suboptimal input validation (e.g., the nominal column did not reject letters). However, these errors were corrected during the system improvement phase. Overall, the test results indicate that the

system is ready for use and capable of supporting faster, more accurate, and more efficient financial administration processes.

3.8 Study Limitations

The system developed in this research only covers the process of recording cash receipts and disbursements, and therefore does not include other financial modules such as asset management, budgeting, or bank reconciliation.

Furthermore, the system still uses a Microsoft Access-based database, limiting its storage capacity and performance for organizations with a large number of transactions. Furthermore, the system can only run on computers with locally installed applications and does not yet support web-based use.

These limitations are expected to serve as a reference for future research to develop a more comprehensive system with a broader range of uses.

4. Closing

4.1 Conclusion

Based on the background of the problem, problem formulation, analysis and discussion at the beginning, the author draws several conclusions as follows:

1. The current system for cash receipts and disbursements at the Al-Fatih Indonesia Raya Foundation in Garut Regency is still manual and not yet computerized.
2. The system proposed by the author, using Microsoft Visual C#, has been proven to simplify and expedite the cash receipts and disbursements process at the Al-Fatih Indonesia Raya Foundation in Garut Regency. Some of the advantages of this system include:
 - a. Faster and more accurate recording.
 - b. Better data security.
 - c. Automatic cash balance calculations.
 - d. Minimizing errors in the recording process.

4.2 Suggestions

Based on the research results, the author would like to offer several suggestions, as follows:

1. Because the information system created by the author uses Microsoft Visual C#, it should be used to simplify and streamline cash receipt and disbursement data processing at the Al-Fatih Indonesia Raya Foundation in Garut Regency.
2. This paper still has shortcomings, therefore, it is hoped that future authors can further develop it.

Reference

- Angow, G., Ilat, V., & Afandi, D. 2023. "Evaluation of the Internal Control System for Cash Receipts at the Tomohon City Regional Financial and Revenue Management Agency." *EMBA Journal: Journal of Economics, Management, Business, and Accounting Research*, 11(1), 885-892.
- Hidayatullah, S., et al. 2023. "HOT FIT Model for Information System Development." Ponorogo: Uwais Inspirasi Indonesia.

- Rizki, R. A., & Kirana, N. W. I. 2024. "Analysis of the Implementation of the Cash Receipts and Disbursements Accounting System at PT X." *Scientific Journal of Economics, Accounting, and Taxation*. 1(4), 18-25.
- Wijayanto, S., et al. 2024. "Textbook of Information System Design Analysis." Jambi: PT. Sonpedia Publishing Indonesia.