

Cash Receipt Information System at Rainbow Boarding House

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ABSTRACT

This research aims to enhance the efficiency and accuracy of financial management in boarding houses by designing and implementing a Cash Receipt Information System. Kos Rainbow is selected as a case study due to the complexity of managing cash receipts from various sources, such as room rent, additional services, and deposits. The research methodology includes system requirement analysis, database design, application development, and implementation testing. Data obtained from interviews with the boarding house owner, direct observation, and documentation will be utilized to design a system tailored to specific needs. Anticipated benefits include improved time efficiency, reduced potential for human errors in cash receipt recording, and providing the boarding house owner with more accurate and real-time financial information for more timely decision-making. The implementation of this cash receipt information system is expected to create better financial governance, enhance the quality of services to boarders, and assist boarding house owners in making strategic decisions related to financial management.

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INTRODUCTION

Information technology is currently experiencing very rapid development. Most aspects of human life have been helped by technological developments. One of the benefits of technological development in human life is to manage, access, and disseminate information. In several cities, many have applied Information Technology in their business processes, one of which is the boarding house business. The development of the hotel business is increasingly advanced with the marked by the number of new boarding houses that have sprung up. The competition in the boarding house business is getting tighter, this requires hotel owners to make a good strategy so as not to compete with other boarding houses. This strategy certainly requires a good system, including an accounting information system. The role of accounting information systems is very necessary to improve company performance in processing data and providing information accurately and on time so that company activities can run effectively and efficiently. Indekos rainbow is a company engaged in room rental services. The transaction that occurs at the rainbow boarding house is a room rental transaction. These difficulties are caused by the rainbow boarding party so far still using manual recording. For example, in making payment receipts for boarding tenants, they still use a manual system from employees, things like this often cause work to be long and the process of searching for receipt data is very difficult to do when there is editing receipt data. Seeing this reality, the rainbow cost needs to fix itself and start considering the use of a database-based information system that can present a safe, fast and accurate information system for processing cash receipt data. Because cash is included in the current asset account, an accounting information system is needed that regulates cash receipts at the rainbow boarding house.

METHOD

In the data collection method, the author went directly to the field to find out the nurse schedule information system at RSU Imelda Pekerja Indonesia as follows:

- Observation. Data collection techniques by direct observation of an activity that is being carried out. In this case, the author made direct observations to ADM Personnel and Head of Nursing at RSUD Imelda Pekerja Indonesia.
- Interview. The author conducted interviews by asking various questions to obtain data on how the nurse schedule information system at RSUD Imelda Pekerja Indonesia.
- Literature Study. It is a goal to collect various reference materials that contain relevant theories and related to the problem taken in this research.

RESULT AND DISCUSSION

This chapter contains System Analysis in Progress, Data Processing Procedures, Information System Flow (*Flow Of Document*), *Running Input and Output Forms*, *Input Forms*, *Output Forms*, *Input and Output Form Weaknesses Analysis*, *Discussion*, *System Design*, *Global Design*, *DataFlow Diagram*, *Context Diagram*, *DFD Level 0*, *Detailed Design*, *Output Design*, *Input Design*, *Table / File Design*, *Program Design*, *Program Modules*.

Context Diagram

A context diagram is a diagram that comprises a process and describes the scope of a system. A context diagram is the highest level of a DFD (*Data Flow Diagram*) that describes all inputs to the system or outputs of the system. The *Data Flow Diagram* can be used with the *Context Diagram* in the following image:

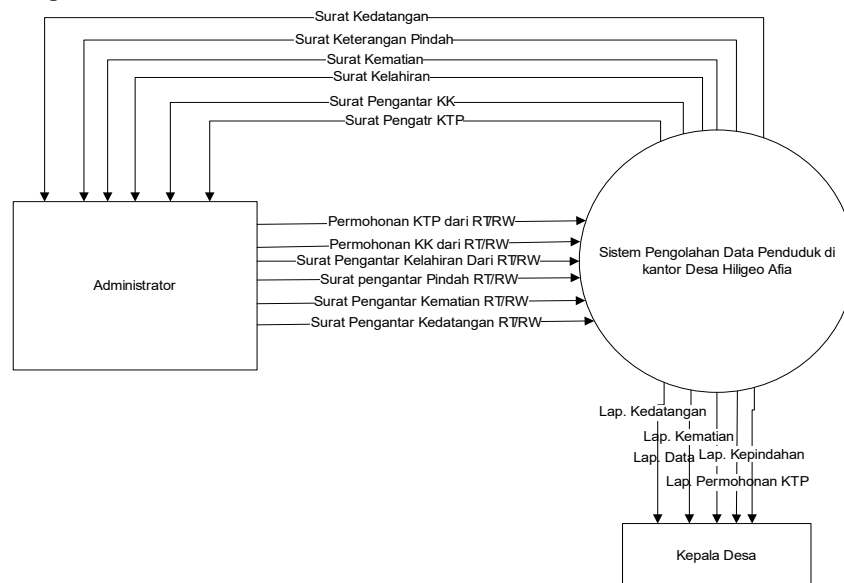


Figure 1. Context Diagram

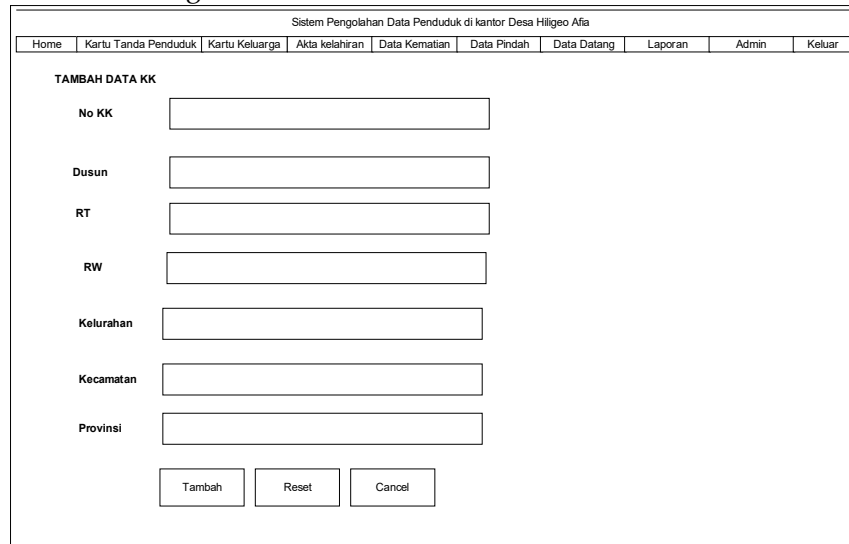
The explanation of figure 1 of the Context Diagram is, the diagram shows that the population data processing system receives death data, KK and ID card applications, moves, arrival systems process and produce population data and are submitted to the administrator. When these data are processed, the population data processing system will produce death data reports, displacement data reports, arrival reports, birth data reports, KK application data reports and ID cards.

Data Flow Diagram

Data Flow Diagram (DFD) is used to explain how the data flow and processes of the application program are used.

KK Data Input Design

This form serves to enter Family card data such as KK, Hamlet, RT and RW numbers. For more details can be seen in figure 2 below.

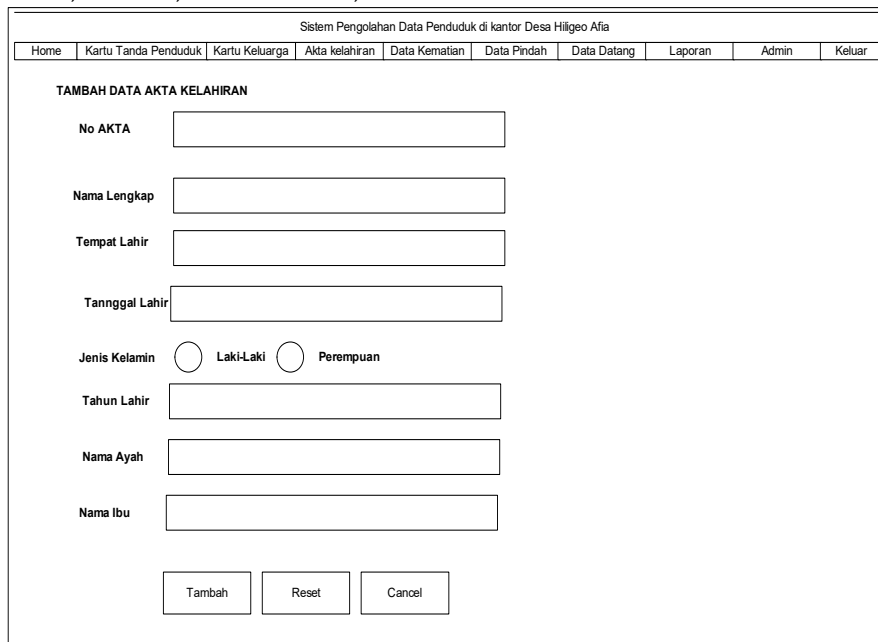


The screenshot shows a web application interface for 'Sistem Pengolahan Data Penduduk di kantor Desa Hiligeo Afa'. At the top, there is a navigation menu with the following items: Home, Kartu Tanda Penduduk, Kartu Keluarga, Akta kelahiran, Data Kematian, Data Pindah, Data Datang, Laporan, Admin, and Keluar. The main content area is titled 'TAMBAH DATA KK' and contains several input fields: 'No KK', 'Dusun', 'RT', 'RW', 'Kelurahan', 'Kecamatan', and 'Provinsi'. At the bottom of the form, there are three buttons: 'Tambah', 'Reset', and 'Cancel'.

Figure 2. KK Data Input Design

Birth Certificate Input Plan

This form serves to enter birth certificate data such as Certificate No, Full Name, Place of birth, date of birth, Gender, father's name, mother's name.



The screenshot shows a web application interface for 'Sistem Pengolahan Data Penduduk di kantor Desa Hiligeo Afa'. At the top, there is a navigation menu with the following items: Home, Kartu Tanda Penduduk, Kartu Keluarga, Akta kelahiran, Data Kematian, Data Pindah, Data Datang, Laporan, Admin, and Keluar. The main content area is titled 'TAMBAH DATA AKTA KELAHIRAN' and contains several input fields: 'No AKTA', 'Nama Lengkap', 'Tempat Lahir', 'Tanggal Lahir', 'Jenis Kelamin' (with radio buttons for 'Laki-Laki' and 'Perempuan'), 'Tahun Lahir', 'Nama Ayah', and 'Nama Ibu'. At the bottom of the form, there are three buttons: 'Tambah', 'Reset', and 'Cancel'.

Figure 3. Birth Certificate input draft

Death Certificate Input Plan

This form serves to enter death certificate data such as death certificate number, NIK, Place, Date of Death, age etc. For more details can be seen in the picture below.

Figure 4. Death *Certificate* input draft

Moving Mail Input Draft

This form serves to enter moving letter data such as letter number, moving date, nik etc. For more details can be seen in the picture below.

Figure 5. Draft *Moving Mail* input

Arrival Mail Input Design

This form serves to enter arrival letter data such as cover letter number, date etc. For more details can be seen in the picture below.

CONCLUSION

This research underscores the significance of implementing a cash receipt information system to enhance the efficiency and accuracy of financial management at Kos Rainbow. By designing and implementing a system tailored to the specific needs of the boarding house, the study aims to address the complex challenges involved in managing cash receipts from various sources, including room rent payments, additional services, and deposits. Through system requirement analysis, database design, and application development, the research provides insights into how an information system can serve as a key instrument in improving time efficiency and reducing the potential for human errors in financial record-keeping. Furthermore, the implementation of this system is expected to yield additional benefits by providing more accurate and real-time financial information, enabling the boarding house owner to make more

timely and informed decisions. In conclusion, the cash receipt information system is anticipated not only to enhance financial governance at Kos Rainbow but also to positively contribute to the quality of services for boarders. By offering more accurate financial data, the system can assist boarding house owners in making better strategic decisions related to financial management, ultimately impacting operational efficiency and tenant satisfaction positively.

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