

Web-Based Cash Management Application Program at PT Perusahaan Perdagangan Indonesia, Banjarmasin Branch

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ABSTRACT

With the advancement of technology, the need for an effective and efficient system to manage company funds has become crucial. Meanwhile, at PT Perusahaan Perdagangan Indonesia Banjarmasin Branch, financial records are still not computerized. The author utilized case study and literature review methods for data collection and employed the waterfall method in system development. The research findings indicate that the developed cash management information system can swiftly process large-scale data, providing accurate information as per user requests. This undoubtedly facilitates employees in generating financial reports, thereby enhancing financial management effectiveness and efficiency.

INTRODUCTION

The rapid technological advancements in the era of globalization have necessitated the utilization and influence of technology by human users. Technology has been created to simplify human tasks, and one of the impacts of technological development is on accounting information systems. The evolution of technology has had a profound effect on companies, enabling them to manage their financial statements accurately and in a timely manner, which is crucial for the progress of the organisation (Shui, 2021).

In the field of accounting, accounting is expected to serve as an effective guideline in the preparation of financial statements, as the basic concepts of accounting form the foundation for the development of accounting standards to be applied in a company. Accounting is important for companies because with proper accounting management, companies can determine the profit or loss they have incurred. One aspect of accounting that requires proper management is cash. If cash is managed properly, it may facilitate the company's ability to manage and control its finances (Pandey, 2019). Companies must manage both the receipt and disbursement of cash, as cash is used for various purposes such as operational funding, fixed asset financing, business continuity, profit-sharing, taxes, and debt repayment. Cash is the most liquid asset compared to other assets. The implementation of a cash management system is crucial for companies to ensure that their cash receipt and disbursement activities are properly recorded.

PT Perusahaan Perdagangan Indonesia's Banjarmasin branch, a company engaged in domestic and international trade, warehousing, and logistics, currently relies on Microsoft Excel for recording its cash receipt and disbursement reports. The use of Microsoft Excel in the company can lead to inefficient and error-prone management of the company's financial information. Previous research has shown that the use of Microsoft Excel as an accounting management tool can be beneficial for small industries, as it allows for the generation of financial reports simply by inputting daily journal entries (Rahmadani & Nugroho, 2023). Additionally, the adoption of technology in Micro, Small, and Medium enterprises (MSMEs) can result in more organized and structured financial data management, which can support the provision of quality financial statements, provided that the human resources have the necessary accounting knowledge and technological skills (Rahim & Balan, 2020; Tram Le & Zen Nguyen, 2023).

Furthermore, studies have demonstrated that the quality of human resources and the adoption of technology have a positive and significant impact on the quality of financial reporting in Micro, Small, and Medium Enterprises. The accurate and precise financial projections generated using Microsoft Excel can help companies estimate their future income and expenditures, which is crucial in the highly competitive global environment that requires companies to maintain high standards for their employees and have accurate financial information for decision-making (Tram Le & Zen Nguyen, 2023).

In the case of PT Perusahaan Perdagangan Indonesia's Banjarmasin branch, the use of Microsoft Excel for recording cash receipts and disbursements may lead to inefficient and error-prone management of the company's financial

information. While previous research has shown that Microsoft Excel can be a useful accounting management tool for small industries, its effectiveness is contingent on the accounting knowledge and technological skills of the human resources. The adoption of technology, such as accounting software, can provide more organized and structured financial data management, which can support the provision of quality financial statements, provided that the human resources have the necessary expertise. Furthermore, studies have demonstrated that the quality of human resources and the adoption of technology have a positive and significant impact on the quality of financial reporting in Micro, Small, and Medium Enterprises (Soleh et al., 2020).

The accurate and precise financial projections generated using Microsoft Excel can help companies estimate their future income and expenditures, which is crucial in the highly competitive global environment that requires companies to maintain high standards for their employees and have accurate financial information for decision-making. In the case of PT Perusahaan Perdagangan Indonesia's Banjarmasin branch, the use of Microsoft Excel for recording cash receipts and disbursements may lead to inefficient and error-prone management of the company's financial information. While previous research has shown that Microsoft Excel can be a useful accounting management tool for small industries, its effectiveness is contingent on the accounting knowledge and technological skills of the human resource. The adoption of technology, such as accounting software, can provide more organized and structured financial data management, which can support the provision of quality financial statements, provided that the human resources have the necessary expertise. Furthermore, studies have demonstrated that the quality of human resources and the adoption of technology have a positive and significant impact on the quality of financial reporting in Micro, Small, and Medium Enterprises (Wiralestari et al., 2021).

LITERATURE REVIEW

A. Accounting System

An information system is defined as a combination of information technology and human activities that use the technology to support operations and management. According to Laudon and Laudon (2012), an information system is a set of devices used to collect, store, and manage data to provide the information needed by an organization (Caldas, 2003). Information systems are not only related to computer technology but also include other components such as procedures, people, and technology used to manage information.

B. Cash Management

Cash management is the process of collecting, managing, and optimizing cash inflows and outflows in a company or organization. The primary goal of cash management is to ensure that the company has sufficient liquidity to meet its financial obligations in a timely manner, optimize the use of available cash, and maximize operational and investment efficiency. (Budiman & Pamungkas, 2014)

C. Definition of Accounting Information System

An accounting information system (AIS) is a subsystem of management information systems that provides relevant and reliable financial information to decision-makers. According to Romney and Steinbart (2015), an accounting information system is a system that collects, records, stores, and processes data to produce information for decision-making (Marshall B & Steinbarth, 2015). AIS is designed to process financial transactions and generate financial reports that can be used by both internal and external stakeholders of the company.

D. Relevance to Web-Based Cash Management Applications

The web-based cash management application at PT Perusahaan Perdagangan Indonesia Banjarmasin Branch is a concrete example of the implementation of information systems and accounting information systems. This application uses information technology to collect and manage the company's cash transaction data, which is then processed into useful information for management decision-making. By utilizing a web-based AIS, the company can improve efficiency and accuracy in cash management and facilitate real-time access to financial information. The implementation of this application demonstrates how information technology can be used to enhance business processes and financial management in trading companies, in line with the concepts explained in the definitions of information systems and accounting information systems (Al, 2020; Khaera Palesta & Santi Paramita, 2023).

METHODOLOGY

The research methodology employed in developing the web-based cash management application at PT Indonesia Trading Company, Banjarmasin Branch, integrates literature review, case study, data analysis, interviews, surveys, model development, validation, and report preparation.

Literature Review: Conducted to gather information on the concepts of information systems, accounting information systems, and related technologies supporting the development of the web-based cash management application. The literature review aids in understanding theoretical foundations and best practices applicable to system development (Caldas, 2003; Marshall B & Steinbarth, 2015).

Case Study: The case study approach is utilized to explore the implementation of the application at PT Indonesia Trading Company, Banjarmasin Branch. Data is collected through company documents, direct observations, and interactions with application users to understand usage contexts and challenges faced (Aberdeen, 2013).

Data Analysis: Data gathered from the case study is analyzed quantitatively and qualitatively to evaluate the application's effectiveness in enhancing efficiency and accuracy in cash management at the company.

Interviews: Conducted with company management and application users to gain in-depth insights into needs, expectations, and the impact of the application on company operations (Creswell & Creswell, 2018).

Surveys: Structured surveys are conducted with application users to gather their perspectives on user experience and suggestions for necessary improvements.

Model Development: A model or framework for application development is constructed based on findings from the literature review, case study, and data analysis to illustrate the relationship between application implementation and improvements in business processes and financial management.

Validation: Research findings are validated by comparing data analysis results with relevant literature and considering data consistency from various sources.

Report Preparation: The research report is structured to include background, objectives, methodology, findings, and recommendations for further application development.

RESEARCH RESULT

PT Perusahaan Perdagangan Indonesia Banjarmasin branch is a company engaged in the business of domestic, international trade, warehousing and logistics. The system for recording cash management transaction data at PT Perusahaan Perdagangan Indonesia still uses Microsoft Excel.

Cash receipts at PT Indonesia Trading Company begin with customers placing orders for goods. Once the stock is available, customers make payments either in cash or via bank transfer. Additionally, cash receipts at PT Indonesia Trading Company, Banjarmasin Branch, also include rental income from company properties. Upon receiving cash or proof of transfer, the cashier admin inputs the cash receipt data, which is then verified and summarized by the accounting department to generate a cash recapitulation report for submission to the management function. Meanwhile, cash disbursements at PT Indonesia Trading Company, Banjarmasin Branch, occur during the payment process for purchasing inventory stock, electricity, water, telephone bills, operational delivery costs, salaries, and are managed by the cashier admin using Microsoft Excel for their processing.

Based on the research findings gathered by the author, it is evident that the accounting information system for cash receipts at PT Indonesia Trading Company, Banjarmasin Branch, still exhibits several weaknesses. At PT Indonesia Trading Company, Banjarmasin Branch, both cash receipts and disbursements currently rely on non-computerized sales approval letters. The company has yet to fully adopt computerized reporting. There is overlap in roles within the cashier admin function, which also serves as the pharmacist supervisor. Additionally, there is a blending of accounting functions with assistant management roles. While the procedural network forming the system at PT Indonesia Trading Company, Banjarmasin Branch is generally appropriate, all records are semi-computerized, leaving room for errors. The accounting records for cash receipts and disbursements consist solely of non-computerized cash flow summary reports. The internal control system of the cash receipts and disbursements accounting information system at PT Indonesia Trading Company, Banjarmasin Branch does not fully meet the elements of a cash receipts and disbursements accounting information system, specifically the organizational division of functions. The overlapping functions performed by the accounting and cashier admin roles by the same person may lead to potential cash misappropriation.

Based on the current issues, the following alternative solutions can be proposed for the cash receipts and disbursements accounting system at PT Indonesia Trading Company, Banjarmasin Branch. The proposed system for cash transactions should encompass receipts, sales, purchases, cash disbursements, and supporting documentation. It should involve functions such as cashier administration, management, and accounting. For the cash disbursement system, it is advisable to maintain accounting records that include summarized cash reports and digitally stored cash evidence. Furthermore, it is recommended to enhance internal control at PT Indonesia Trading Company Banjarmasin by clearly delineating the responsibilities between cashier administration and accounting roles.

Below is the display of the recommended accounting information system:



Figure 1. Cash Receipts Report

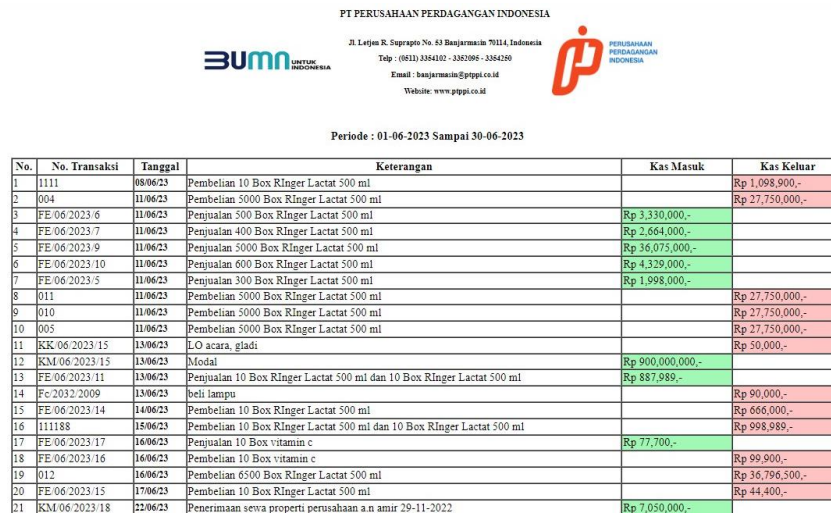


Figure 2 Cash Recapitulation Report



Laporan Kas Keluar

Periode : 01-06-2023 Sampai 30-06-2023

No.	No. Transaksi	Tanggal	Jumlah	Keterangan
1	1111	08-06-2023	Rp 1.098.900,-	Pembelian 10 Box Ringer Lactat 500 ml
2	004	11-06-2023	Rp 27.750.000,-	Pembelian 5000 Box Ringer Lactat 500 ml
3	011	11-06-2023	Rp 27.750.000,-	Pembelian 5000 Box Ringer Lactat 500 ml
4	010	11-06-2023	Rp 27.750.000,-	Pembelian 5000 Box Ringer Lactat 500 ml
5	005	11-06-2023	Rp 27.750.000,-	Pembelian 5000 Box Ringer Lactat 500 ml
6	KK.06.2023/15	13-06-2023	Rp 50.000,-	LO acara, gladi
7	Fc.2032.2009	13-06-2023	Rp 90.000,-	beli lampu
8	FE.06.2023/14	14-06-2023	Rp 666.000,-	Pembelian 10 Box Ringer Lactat 500 ml
9	111188	15-06-2023	Rp 998.989,-	Pembelian 10 Box Ringer Lactat 500 ml dan 10 Box Ringer Lactat 500 ml
10	FE.06.2023/16	16-06-2023	Rp 99.900,-	Pembelian 10 Box vitamin c
11	012	16-06-2023	Rp 36.796.500,-	Pembelian 6500 Box Ringer Lactat 500 ml
12	FE.06.2023/15	17-06-2023	Rp 44.400,-	Pembelian 10 Box Ringer Lactat 500 ml
Total Kas Keluar :			Rp 150.844.689,-	

Figure 3. Cash Disbursement Report

DISCUSSION

Based on the research conducted, the author developed a cash receipts and disbursements information system by implementing the previously recommended procedures. Customers place orders for goods and hand them over to the cashier admin for input. After inputting, customers make payments and receive a sales approval letter, followed by receiving the goods. During the sales process, the cashier admin inputs the order when customers place it, receives payment, and then prints three copies of the sales approval letter. The first copy is given to the customer, the second to the warehouse department, and the third to the accounting department.

For purchasing processes, the cashier admin checks stock information on the computer, creates an order form, and seeks approval from management. Once approved, the order form is sent to suppliers. The cashier admin receives the invoice from the warehouse department, makes the payment, and hands the invoice to the accounting department.

During sales transactions, the warehouse department uses the sales approval letter as a reference for preparing and delivering goods. For purchases, the warehouse department receives goods and invoices, then hands the invoices to the cashier admin. Suppliers receive the purchase order and prepare the goods for shipment. After handing over the invoice, suppliers receive payment.

In the purchasing process, the accounting department receives the sales approval letter to input into the sales data in the application program. During purchases, the accounting department receives invoices to input into the purchase data in the application program. These reports are then submitted to management. Management reviews and approves purchase orders and receives reports from the accounting department.

CONCLUSIONS AND RECOMMENDATIONS

Based on the research and discussions conducted, the author concludes that the cash management information system at PT Perusahaan Perdagangan Indonesia has been computerized with a web-based application program capable of processing large-scale data (stored in databases) quickly, thereby providing accurate information as requested by users. The Web-Based Cash Management Application at PT Perusahaan Perdagangan Indonesia is designed to produce outputs such as cash receipts reports, cash disbursements reports, cash proof of disbursements, and cash summary reports. This facilitates easier financial reporting for company employees. The author recommends that in the future, PT Perusahaan Perdagangan Indonesia implement a cash receipts and disbursements information system using this cash management application, specifically within the finance department. Such an information system is expected to streamline cash management activities at PT Perusahaan Perdagangan Indonesia. This statement aligns with previous research indicating that implementing a cash management application reduces the time required for financial administration processes, allowing employees to focus on strategic tasks (Fitria et al., 2024; Haldalina et al., 2023; Lukito, 2019) furthermore, the cash management application enables employees to access financial information in real-time, enhancing efficiency in the reporting process. (Fitria et al., 2023; Petrović-Van Der Deen et al., 2019).

ADVANCED RESEARCH

The author hopes that in the future, research can be conducted to develop a more advanced cash management information system with additional features that support, thereby further facilitating the process of financial management and reporting for the company.

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