

Web-Based Financial Information System At Pt Regista Bunga Wijaya Branch Surabaya

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ABSTRACT

Financial Information System at PT Regista Bunga Surabaya branch is currently not running optimally, data processing is still using conventional methods by using notes in ledgers and data management using Microsoft Excel application. Discusses data agreements and data search results of old elections. For that we need an application that can facilitate financial reporting.

A web-based application that can accommodate the making of Advances Submissions (PUM), Down Payment Obligations (PJUM), Expenditure Requests (P2D). This application is also used for data search and financial reporting automatically. In making this web-based financial information system the author uses the SDLC (Software Development Life Cycle) design method.

The Financial Information System at PT Regista Bunga Wijaya, Surabaya branch, can make it easier to manage financial reporting, reduce paper usage, and use time more quickly and accurately. The results of this final project are based on a web financial information system.

Keywords: *Financial Information Systems, Web-based financial systems, SDLC*

INTRODUCTION

PT Regista Bunga Wijaya, Surabaya branch, there are three main transactions in the company's financial information system. The first is Submission of Advances (PUM), in this transaction the financial staff submits a down payment request for each project that is running by "filling in the PUM form. Second is the Accountability Advance Payment (PJUM) transaction, in this transaction the finance staff fills in the PJUM form for the accountability of PUM requests that have previously been made, resulting in a difference or difference in excess of the PUM funds that have been submitted. Third is a Funds Expenditure Request (P2D) transaction, in finance staff transactions "fill out the P2D form and do not need to be accounted for.

The process of the three transactions above is currently still using a conventional system of recording and also typing manually using Microsoft Excel for form filling and data processing. This raises several problems, such as: error in the date of the convention, errors in providing transaction numbers (error in transaction serial numbers, double numbering), incomplete form filling, ineffective and ineffective in terms of time, especially when searching for PUM transactions to be submitted to PJUM, spending a lot of paper.

Based on the above problems, in order to minimize errors, simplify and streamline the financial reporting process, a Financial Information System is needed in the form of an application that supports this. This research will design a web-based financial information system.

LITERATURE REVIEW

M. Taufan Asri Zaen, et al (2019), in his research entitled Financial Information Systems at the Web-Based Transportation Service of Central Lombok Regency. Produce an information system application that processes and processes financial data such as completeness of SPJ (Spending Responsibility Letter) which includes RPU (Money Usage Plan), SPB (Spending Responsibility Letter) and receipts. Research conducted at this time apart from being different from the side of the research location, also includes outputs in the form of PUM, PJUM, and P2D.

Lulu Luciana Putri, et al (2019), in her research entitled Web-Based Population Administration Information System for Rembige Village. Produce applications that can be used for administrative purposes in the Rembige village in the form of correspondence, population reports, and population data. This system changed the manual system in population administration at the Lurah Rembige office into a web-based population administration information system. This information system is focused on administration and population data, this is different from the information system at PT Regista Bunga Surabaya branch that researchers will design, where research is focused on corporate finance. The resulting output is also different from the output on the information system that the researcher designed.

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Lisnawanty and Bambang Kurniawan (2019), in their research on the Web-Based Accounting Information System for Cash Receipts and Expenditures (Case Study: PT Sinar Kapuas Cemerlang). The system designed is an accounting information system for cash receipts and disbursements equipped with financial reports. The method used in software development at AI I-Shop and Motor Variation is the waterfall model, this is different from the method the researchers used in the financial information system at PT Regista Bunga Wijaya, Surabaya branch, namely the SDLC (Software Development Life Cycle) method. In addition, the research location is different and the resulting output is not in the form of inventory reports, sales reports, general ledger reports, cash receipts reports, expense reports, balance reports, income statements and changes in capital reports.

Yulia Arianti and Maulana Ashari (2018), in their research on the Sales Information System at Al-Idan Motor Variation Stores, Karang Baru Village, Mataram District. This research produces a web-based information system so that it can offer and sell goods online, as well as produce a data information system for goods, data transactions and reports stored in the database. Apart from the location, this research with the research that the authors do is the output produced.

In addition, according to Deni Prayoko Wijayanto, et al (2018) in his research entitled Design of Web-Based Financial Administration Information Systems at SMK NU Ungaran. Producing a centralized and integrated student administrative payment system, making it easier to search for data if the SPP card is lost or forgotten, and makes it easier to produce monthly reports and bills to make it faster, more effective and efficient. The difference between the current research is different in terms of the object of research, the location of the study, the process that is running, as well as the output.

The financial information system is part of the SIM which is used to solve financial problems. According to Azhar Susanto (2002: 68), a management information system is a collection of sub-systems that are interconnected with each other and harmoniously to achieve one goal, namely processing data into information in the decision-making process while carrying out its functions. Meanwhile, finance (Sundjaja & Berlian, 2003) is the science and art of money management that affects a person's life and organization. The financial information system is a sub-system of the management information system designed to provide information to people or groups both inside and outside the company regarding financial flows and problems within the company.

RESEARCH METHOD

The analytical method used in this research is PIECES analysis. According to Wukil Ragil (2010: 17), the PIECES method is a method of analysis as a basis for obtaining more specific issues. PIECES analysis uses 6 variables, namely Performance, Information, Economy, Control, Efficiency, and Service.

The system design method is a method or method that aims to analyze the development and design of a system so that the system can meet the needs. The method used to design the system to be created, namely, SDLC (Software Development Life Cycle) is the development / engineering of information systems (system development) and / or software (software engineering) which means compiling a system / software that is completely new or completely new. more often it happens that is to improve what has been there before. SDLC is used by the software industry to design, develop and test and aims to produce high quality software that meets User / Customer expectations within predetermined time and cost estimates.

To identify problems, it is necessary to analyze performance, information, economy, management and services. This guide is known as *PIECES Analysis (Performance, Information, Economy, Control, Efficiency, Services)*. From this analysis, the researcher got some problems and finally found the main problem. Of the several solutions offered, the researcher chose to build a web-based financial information system, so that financial data processing was more effective and efficient.

No.	Parameters of	Analysis Results
1.	<i>performance</i>	of the current system is not optimal because the recording of transactions is still conventional using a ledger. For the manufacture of PUM, PJUM, and P2D will be done manually with the help of Microsoft Excel. This has resulted in several gaps in errors that require less time efficiency and result in slow financial reporting processes.
2.	<i>Information</i>	In the process of recording and storing PUM, PJUM, and P2D there are problems related to the information generated, namely the lack of safe and storage <i>up-to-date</i> , so the process of searching for PUM, PJUM, and P2D data often experiences disruption.
3.	<i>Economy The</i>	value of an information system is determined by two things, namely the costs and benefits of obtaining this information. The parameter in terms of cost is that the old system still takes a long time so that human resource costs also increase such as overtime work to complete the work of making PUM, PJUM, and P2D which are still done manually. With the capabilities

		provided by the new system with optimal costs incurred relatively lower because data processing can be done through the new system.
4.	<i>Control</i>	control of errors and errors as well as deficiencies that will occur. Control or control in a system is very necessary for its existence to avoid and early check for errors or system errors and to ensure the security of data or information contained in PT Regista Bunga Wijaya Surabaya. With the <i>control</i> , the task or performance that is impaired can be biased quickly.
5.	<i>Efficiency there are</i>	<ul style="list-style-type: none"> - many files that have piled up so that they fill up many places. - PUM, PJUM, and P2D manufacturing uses too much paper.
6.	<i>Services</i>	<ul style="list-style-type: none"> - Financial Staff have difficulty in presenting serial numbers of PUM, PJUM, and P2D because they have to see previous files. - Finance staff needed a lot of time in making PUM, PJUM, and P2D.

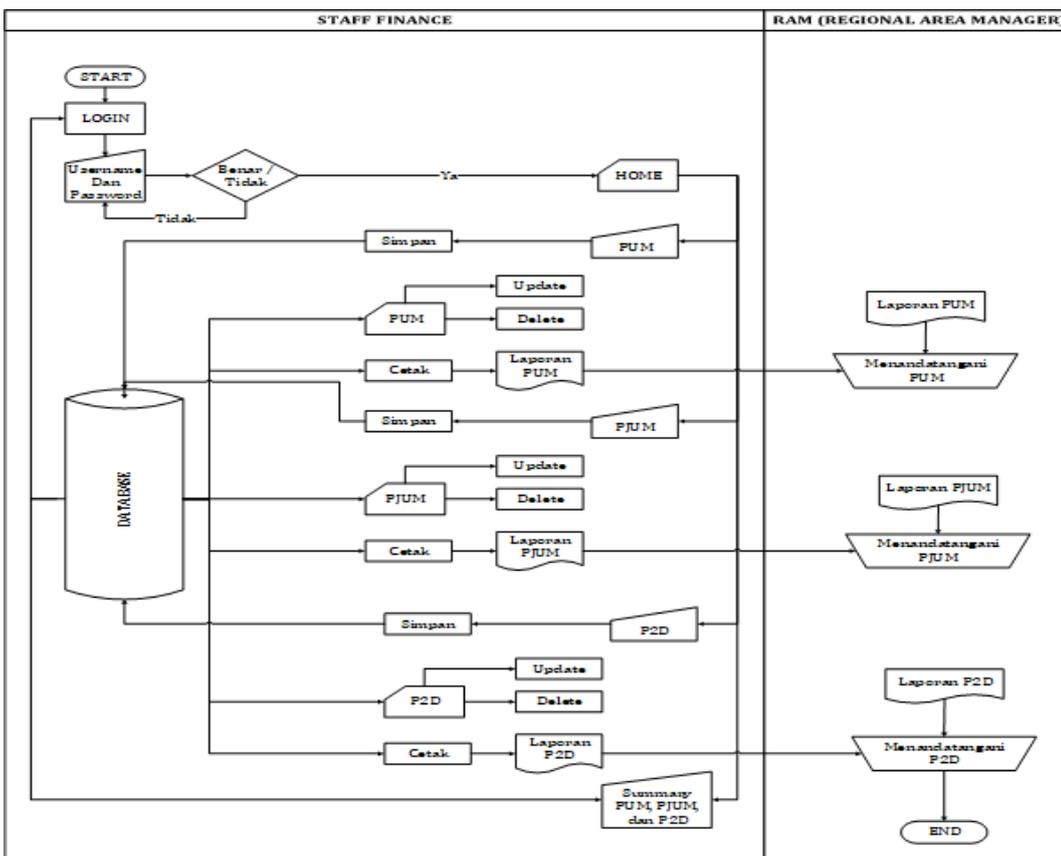
Table 3.1 PIECES ANALYSIS

RESULTS

The results of the design of a web-based Financial Information System at PT Regista Bunga Wijaya Surabaya branch in the form of a system flow chart for financial staff in making PUM, PJUM, and P2D and in the form of a display or interface as follows:

Figure 3.2 Flow Chart for Financial Staff

The proposed diagram for financial staff explains that:



1. Log in financial staff to the financial application system by entering *username* and *password*, if *the username and password are* incorrect then do a reconfirmation login and if *the username and password are* correct then the financial staff enters the system finance.

2. The financial staff *input* PUM data which is then stored and updated on the PUM page, then the PUM data can be *updated, deleted* and *printed* as reporting material.
3. The financial staff *input* PJUM data which is then stored and read on the PJUM page then the PJUM data can be *updated, deleted,* and *printed* as reporting material.
4. The financial staff *input* P2D data which is then stored and updated on the P2D page then the P2D data can be *updated, deleted* and *printed* as reporting material.
5. Financial staff can see on thepage of *summary* total PUM transactions, realization of PUM funds, total PJUM, realization of funds that have been accounted for, total P2D, and P2D funds that have entered the account. This data assists financial staff in analyzing the funds that have been transacted.

Interface

Login PageThe login

page is a page that will be created by the application when the *user* or user opens the application for the first time. The login page is used as an *authentication* process or checking process.

Theprocess is *authentication* carried out by entering input inform of *thea user name* and *password* from the user, in this case the financial staff.



Figure 4.1 Login

Page Main

Page The main page is a page that will remember by the application when the *user* has successfully logged in. On the main page there is another menu display that contains *Home* as the main menu when a user enters the financial application system, themenu *PUM* is a menu used to view PUM data that has been entered into the database, the *PJUM* menu is a menu used to view PJUM data that has been entered In the database, themenu *P2D* is the menu used to view the P2D data entered into the database, and the *Summary* menu is the menu used to view the total transactions of PUM, PJUM, and P2D that have been entered and the total realization of funds from all these transactions.



Figure 4.2 Main

Page PUM

Page The PUM page is a page used to view the PUM data that has been entered and on the PUM page there is a "Add PUM" button used to add data, the "Action" button is used to edit data and delete data. To perform the PUM data search process by selecting themenu *dropdown* in the form of date, project, status, or actual options, then enter the PUM data to be searched. And for the PUM data print process, select the *print icon*.

No. PUM	Tanggal	Project	Kebutuhan Dana	Nominal	Status	Actual	Action
001DLT012020	03 Jan 2020	Delto	Pembelian Saddle Bag D2	6.600.000	NON OHC	SUDAH	
002DLT012020	03 Jan 2020	Delto	JKK D1 Pemekasan an. Tebak	300.000	NON OHC	SUDAH	
001SGC012020	03 Jan 2020	MU	Pembelian PB SFR Boponegoro	210.000	NON OHC	SUDAH	
001GAD012020	06 Jan 2020	GAD	Petty Cash Januari 2020	2.750.000	OHC	BELUM	
002GAD012020	06 Jan 2020	GAD	Saka Cita RSM MU Surabaya	500.000	OHC	SUDAH	
003GAD012020	06 Jan 2020	GAD	Biaya Operasional RAM East	2.650.000	OHC	BELUM	
001HRD012020	09 Jan 2020	HRD	BPJSTK Januari 2020	29.131.910	NON OHC	BELUM	

Figure 4.3 PUM

Page PJUM

page PJUM page is a page used to view PUM data already in PJUM and on the PJUM page there is a button "Add PJUM" used to add data, the "Action" button is used to edit data and delete data. To perform the PJUM data search process by selecting themenu *dropdown* in the form of a date or project option then input the PJUM data to be searched. And for the PJUM data printing process, select the *print icon*.

No. PJUM	Tanggal	Project	Kebutuhan Dana	PUM	PJUM	Selisih	Action
001DLT012020	03 Jan 2020	Delto	Pembelian Saddle Bag D2	6.600.000	6.390.000	210.000	
002DLT012020	03 Jan 2020	Delto	JKK D1 Pemekasan an. Tebak	300.000	300.000	0	
001SGC012020	03 Jan 2020	MU	Pembelian PB SFR Boponegoro	210.000	245.000	(35.000)	
001GAD012020	BELUM	GAD	Petty Cash Januari 2020	2.750.000	BELUM	BELUM	
002GAD012020	06 Jan 2020	GAD	Saka Cita RSM MU Surabaya	500.000	500.000	0	
003GAD012020	BELUM	GAD	Biaya Operasional RAM East	2.650.000	BELUM	BELUM	
001HRD012020	BELUM	HRD	BPJSTK Januari 2020	29.131.910	BELUM	BELUM	

Figure 4.4 PJUM

Page P2D

Page P2D page is a page used to view P2D data that has been entered and on P2D page there is a button "Add P2D" used to add data, the "Action" button is used to edit data and delete data. To perform the P2D data search process by selecting themenu *dropdown* in the form of date, project, status, or actual options, then input the P2D data to be searched. And for the P2D data printing process, select the *print icon*.

No. P2D	Tanggal	Project	Kebutuhan Dana	Nominal	Status	Actual	Action
001SGC012020	03 Jan 2020	MU	Konsumsi Meeting Jan 19	530.000	NON OHC	SUDAH	
001DLT012020	03 Jan 2020	Delto	Fotokopy Kupon Candy	300.000	NON OHC	SUDAH	
002SGC012020	03 Jan 2020	MU	Hotel SFR Boponegoro	450.000	NON OHC	SUDAH	
002DLT012020	03 Jan 2020	Delto	BPJSTK Januari 2020	1.785.000	NON OHC	SUDAH	
003DLT012020	03 Jan 2020	Delto	Sewa Tempat Event CFD GOR	250.000	NON OHC	SUDAH	
001GAD012020	06 Jan 2020	GAD	Materai MCU Travel Agent	325.000	OHC	SUDAH	
003SGC012020	06 Jan 2020	MU	Claim Team SPO	1.290.000	NON OHC	SUDAH	

Figure 4.5 P2D

Page Summary

page Summary page is a page that is used to view the summary data from the entered PUM, PJUM, and P2D. Comparison charts of each PUM, PJUM, and P2D transactions that have been, have not, or that have been *canceled* will be presented on this page. Here also shows the Realization of Funds that have and have not come from PUM transactions, Accounts that have and have not come from PJUM transactions, and the amount of Funds Entering the Account that have and not from P2D transactions. To print Summary data, select the *print icon*.



Figure 4.6 Summary of Page

CONCLUSION

construction of a financial information system can cause problems for the company, in this case PT Regista Bunga Wijaya, Surabaya branch. Handling the handling as follows:

1. With the application of a financial information system, processing financial data in the form of PUM, PJUM, and P2D transactions is easier, faster, and more accurate.
2. processing and storage is *Database* more accurate and secure.

Above, the suggestions can be put forward in order to be taken into consideration and the consideration is as follows:

1. The information system is used by financial staff who understand the computerized system, so that the presentation of the information can be done better.
2. With this financial information system, it is hoped that there will be further development efforts into a more perfect financial information system application with the latest features that will facilitate the management process and provide more complete information.
3. Developed this application so that it could be integrated with the payroll system so that it could easily calculate *thecost ratio* company's.

REFERENCES

- Mujilan, A. 2015. Accounting Information Systems Theory and Insights in the Electronic World (Edition III). Madiun: WIMA Press.
- Nugroho, A. 2005. Analysis and Design of Information Systems with Object-Oriented Methodology. Bandung: Informatics.
- Ragil, W. 2010. Guidelines for Disseminating Standard Operating Procedures. Jakarta: Mitra Wacana.
- Sundjaja, RS, & Berlian, I. 2003. Financial Management 2 (Fourth Edition). Yogyakarta: Literata Cross Media.
- Susanto, A. 2002. Management Information Systems (Edition 2). Bandung: Lingga Jaya.
- Journal of
- Arianti, Y., & Ashari, M. 2018. Sales Information System at Al-Idan Variasi Motor Stores, Karang Baru Village, Mataram District. *MISSION (Journal of Information Management & Information Systems)*, Volume 1, No 1.
- Lisnawanty, & Kurniawan, B. 2019. Web-Based Accounting Information System for Cash Receipts and Expenditures (Case Study: PT. Sinar Kapuas Cemerlang). *Bawal Widya Informatics Research*, Volume 1, No. 4.
- Najamudin, WB, & Ashari, M. 2019. Web-Based Application for New Student Admissions at SMK Negeri 2 Kuripan. *MISSION (Journal of Information Management & Information Systems)*, Volume 2, No. 2.
- Putri, LL, Zukarnaen, MF, & Asyari, H. 2019. Web-Based Population Administration Information System for Rembiga Village. *MISSION (Journal of Information Management & Information Systems)*, Volume 2, No 1.
- Rusmayanti, A. (2014). Financial Management Information System in Ngadirejan Village. *Journal of Speed-Center for Engineering and Education Research*, Volume 6, No 2. ijns.org
- Wijayanto, DP, Riyantomo, A., & Budiyanto, NE (2018). Design of Web-Based Financial Administration Information Systems at SMK NU Ungaran. *Momentum*, Volume 14, No. 2, 83–91.
- Zaen, MTA, Julkarnain, & Saleh, M. (2019). Web-Based Financial Information Systems at the Transportation Office of Central Lombok Regency. *MISSION (Journal of Information Management & Information Systems)*, Volume 2, No 1.