Financial Report Application Design (Case Study at Perhutani Tambak Ruyung East Pasir Jambu)

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Abstract

Currently, PERUM Perhutani Tambak Ruyung Timur continues to rely on manual methods for financial reporting, resulting in incomplete financial reports. The process above has the potential to be significantly unproductive and inefficient, hence increasing the likelihood of errors in the recording procedure. Based on the backdrop above, PERUM Perhutani Tambak Ruyung Timur must implement a more pragmatic financial accounting recording system. Hence, the author interned at the organization above and produced a comprehensive Internship Report entitled "Designing a Financial Report Application: A Case Study at Perum Perhutani Tambak Ruyung Timur Pasir Jambu."

The research method refers to the systematic approach researchers employ to investigate and gather data to answer research questions or test hypotheses.

The research methodology employed in this study is the Descriptive Research Method. Object-Oriented Analysis and Design (OOAD) is employed in system development. The implementation of this system utilizes web programming languages, including PHP, CI, and UML. This research has yielded a financial reporting application software that is both effective and efficient.

Based on the conducted research, it is inferred that the application developed by the researcher is anticipated to offer utility to PERUM Perhutani in streamlining the process of inputting financial data. Based on the acquired information, it is possible to fill incomplete financial reports by utilizing the program developed by the researcher.

Keywords : *Financial Reporting, OOAD, Web.*

INTRODUCTION

Businesses and firms are of paramount importance in driving economic growth within the Indonesian economy. The increasing advancement of technology necessitates the growing importance of financial reports in aiding organizations in the processes of recording, keeping data, and executing their commercial operations.

Moreover, financial reports are fundamentally derived from the accounting process, which functions as a mechanism for conveying financial information or corporate undertakings to stakeholders. The financial status and development of a company attract the attention of several stakeholders, both internal and external. Internal stakeholders encompass firm management and employees, while external stakeholders consist of shareholders, creditors, the government, and the general public.

At now, PERUM Perhutani Tambak Ruyung Timur continues to utilize manual methods for financial reporting, resulting in incomplete financial reports. The aforementioned approach has the potential to exhibit a high degree of ineffectiveness and inefficiency, hence presenting a notable risk of errors during the recording procedure.

Based on the previously described context, PERUM Perhutani Tambak Ruyung Timur requires an enhanced financial accounting recording system that is more pragmatic in nature. Hence, the author undertook an internship at the aforementioned company and afterwards

produced a comprehensive report known as the "Internship Report" with the title "Designing a Financial Report Application: A Case Study at Perum Perhutani Tambak Ruyung Timur Pasir Jambu."

METHOD

The research method refers to the systematic approach researchers employ to investigate and gather data to answer research questions or test hypotheses.

The study employed the Descriptive Research Method as its research methodology. Descriptive research is a methodological approach that comprehensively portrays and analyzes a phenomenon, event, or incident presently unfolding.

The methods employed for gathering data

1. The literature review entails systematically gathering material from scholarly sources, such as books and references, pertinent to the research being conducted.
2. Interviews are a commonly employed approach for gathering data, involving posing inquiries to pertinent individuals to gain information.
3. Observation is a data collection method that entails the direct examination, appraisal, and analysis of the subject under investigation.
4. Documentation: The methodology entails the acquisition of data through the examination and analysis of various forms of documentation, encompassing written records and graphical representations.

The topic of interest is the system development method.

In order to facilitate the replacement of the current system, it is imperative to engage in thorough planning and adhere to a disciplined approach. Object-Oriented Analysis and Design (OOAD) is the approach employed for creating systems. Object-Oriented Analysis and Design (OOAD) uses the Unified Modeling Language (UML) syntax, encompassing issue domain analysis, application domain analysis, architectural design, and component design. Object-Oriented Analysis and Design (OOAD) aims to integrate data and processes into a unified idea referred to as objects. Object-Oriented Analysis and Design (OOAD) encompasses the utilization of object diagrams to comprehensively document the system, focusing on the objects themselves and their interactions (Ongowarsito, 2018).

RESULT AND DISCUSSION

Current System Analysis

Ongoing analysis aims to know clearly about the running system. The processes and issues that are running will be described using the use a diagram as follows:Website

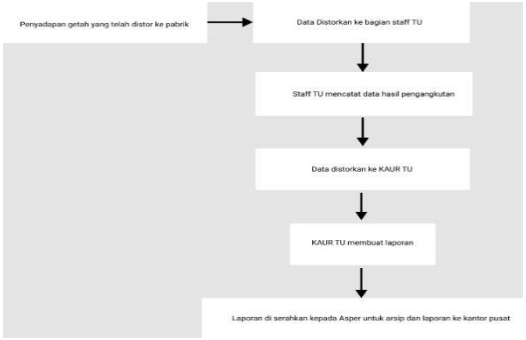


Figure 1. Current System Analysis

Proposed System Analysis

The description of the proposed system is in the form of an information system for managing report applications where the proposed system design is to change data that is still manual to be even more computerized, which aims to simplify and shorten the time in recording the financial reports of PERUM Perhutani Tambak Ruyung Timur.

Hardware Deployment

Table 1. Hardware Specifications

No	Name	Specification	
		Researcher	User
1.	Processor	Intel® Celeron® CPU N3050 @1.60GHz	Intel Celeron i3
2.	RAM	4 Gigabyte	4 Gigabyte
3.	Hard disk	500 Gigabyte	500 Gigabyte

Interface Implementation

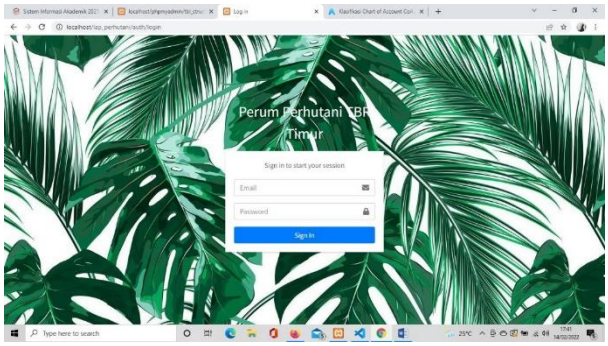


Figure 2. Login Display

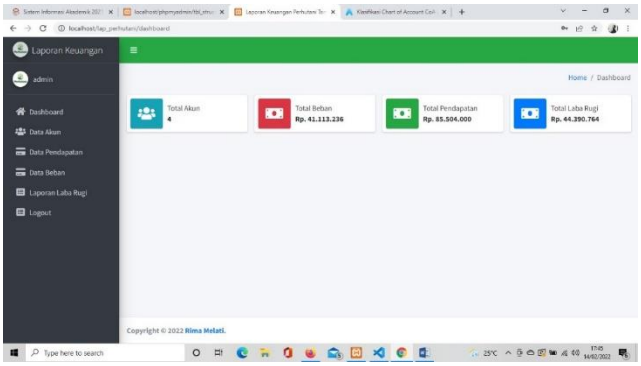


Figure 3. Admin Dashboard Display

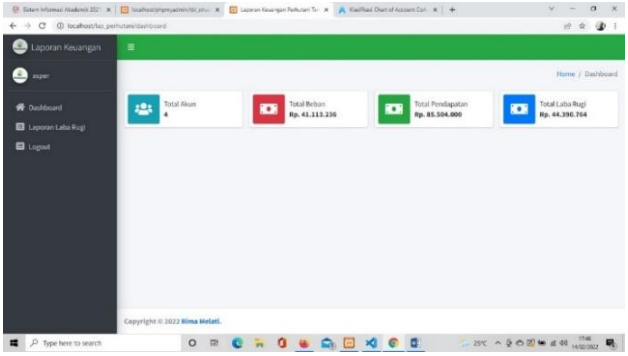


Figure 4. Asper Dashboard Display

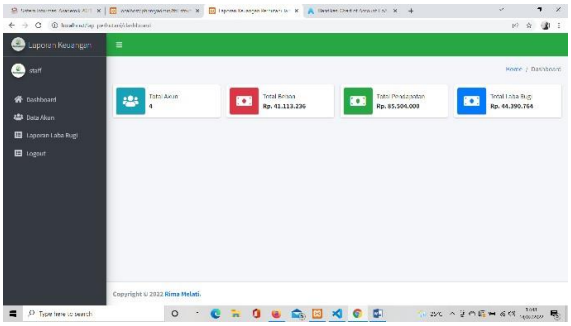


Figure 5. Staff Dashboard Display

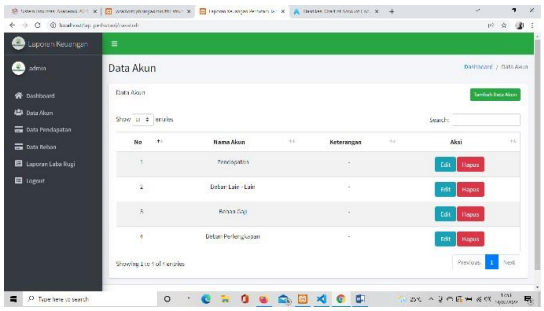


Figure 6. Display of Account Data

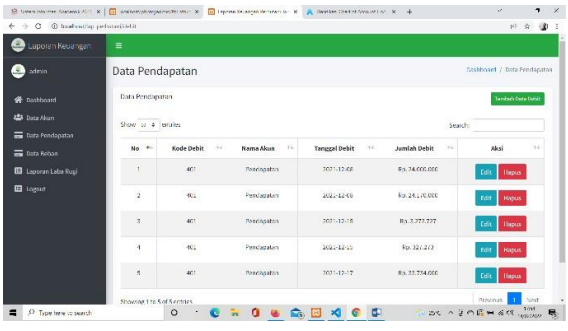


Figure 7. Income Data Display

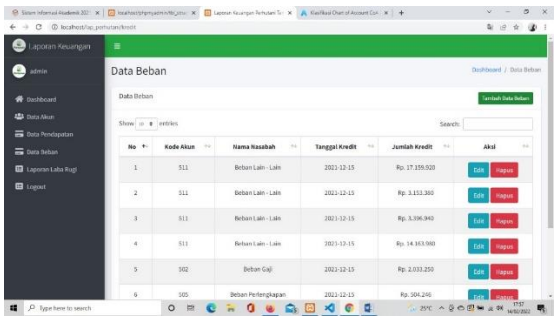


Figure 8. Load Data Display

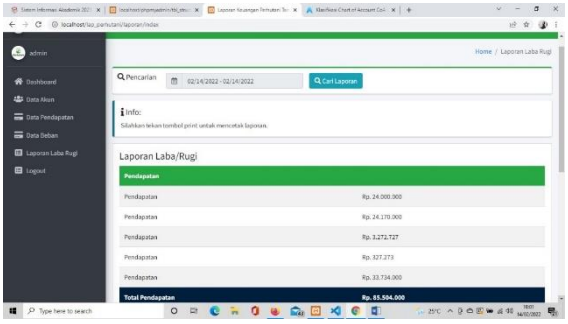


Figure 9. Profit and Loss Report Display

CONCLUSION

Conclusion

Based on the research conducted, it can be concluded that: The design of the application made by the researcher is expected to be helpful for the PERUM Perhutani company so that it is easier to input financial data. By the information obtained, incomplete financial reports can be supplemented using a program researchers have made.

Suggestion

The suggestions for designing this application are: Application design that could be better requires developing a more sophisticated system to produce maximum output. Even though a computerized system has been implemented, it is better if the administrator still has a backup file to avoid something unwanted in the system, for example, by storing data related to financial reports in hardcopy form produced by this system.

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