

## Design Of Document Information System And Monitoring Of Regional Financial Report Quality

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### Abstract

*This study aims to design and analyze a document information and monitoring system that plays a role in improving the quality of regional financial reports. The document information system is designed to manage financial archives digitally for easy access, security, and integration, while the monitoring feature functions to monitor the report preparation process in real time to ensure timeliness and data accuracy. The method used is a conceptual-descriptive approach, namely by reviewing literature, government regulations, and previous research related to government information systems and public financial reporting. The results of the analysis show that the implementation of a document information and monitoring system can strengthen the relevance, reliability, comparability, and ease of understanding of financial reports, as stipulated in the Government Accounting Standards (SAP). This system also supports increased efficiency, transparency, and accountability of regional financial management through digital recording and automated audit trails. Thus, the development of this information system is expected to encourage the creation of more modern, effective, and accountable regional financial governance.*

**Keywords:** Document Information System, Monitoring, Regional Financial Reports, Accountability, Transparency.

### I. INTRODUCTION

The acceleration of digital transformation in the public sector is driving the need for information systems capable of effectively managing documents while supporting the monitoring process in the preparation and reporting of regional government finances. Regional financial reports are a crucial instrument in realizing accountability, transparency, and responsibility in public financial management in accordance with government accounting standards and applicable laws and regulations. The quality of regional financial reports includes characteristics such as *relevance*, *reliability*, *timeliness*, and *comparability* of the information produced, which can be influenced by the implementation of effective information systems and the competence of the human resources who manage them. (Widya Retno, 2025).

The quality of local government financial reports reflects the level of public accountability and the effectiveness of financial governance. Factors such as internal control systems, the use of information technology, and human resource competency have been shown to significantly influence the quality of local financial reporting. (Indra Suyoto, 2016).

Implementation of information systems in regional financial management, including applications such as the Accounting Information System and Regional Financial Management Information System (SIPKD/SIKAD) or Regional

Government Information System (SIPD) has shown a positive contribution to improving the quality of financial reports through increased data accuracy, ease of access to information, and support for better internal monitoring and control processes. (Arif et al., 2024). However, there are still challenges related to document integration, real-time monitoring capabilities, and integration between the document management module and the financial reporting module, which ultimately impacts the achievement of the overall quality of regional financial reports. (Fitriani & Solikhin, 2024).

This system is expected to provide a monitoring *dashboard* that will make it easier for regional leaders to monitor the reporting process, identify data irregularities, and assess compliance with financial reporting standards. Thus, the information system will serve not only as an administrative tool but also as a strategic tool for achieving effective, efficient, and transparent regional financial governance.

Overall, this research aims to design an information system that can manage financial documents and monitor the quality of regional financial reports in an integrated manner. Through this approach, it is hoped that the system will become a digital solution that supports increased public accountability, bureaucratic efficiency, and public trust in local government financial performance.

## II. LITERATURE REVIEW

### A. System Information Document

An information system is a set of components consisting of hardware, software, data, and human resources that interact to manage, store, and distribute the information an organization needs. In the context of local government, information systems are a crucial part of supporting administrative and reporting processes, particularly in the management of financial documents. (Achirudin & Zuraidah, 2022)

A document information system is a system designed to organize and manage electronic documents for easier access, storage, and monitoring. With this system, various documents, such as accountability letters (SPJ), transaction notes, payment receipts, and activity reports, can be stored digitally, preventing them from being lost and allowing them to be retrieved whenever needed.

According to Ridoh & Putra (2021) The implementation of the *Regional Government Information System (SIPD)* serves to increase the efficiency of accounting and financial reporting processes, because all financial data and documents can be accessed centrally through the system.

In addition to simplifying data management, document information systems also support the principles of transparency and accountability. Employees no longer need to use physical archives that are prone to damage or loss, as the entire recording and storage process is now done electronically. Research by Bagus & Sudiarmika (2023) shows that information technology-based document management has a significant influence on increasing work effectiveness and the quality of financial reports, especially if supported by adequate human resource competency.

### B. Monitoring in System Information

Monitoring is the process of overseeing and evaluating ongoing activities to ensure they meet established standards and objectives. In the context of information systems, monitoring is conducted using digital technology to track activity progress in *real time*.

In a financial information system, monitoring ensures that every transaction and financial report complies with regulations and procedures. Through the monitoring system, agency leaders can see how the financial reporting process has progressed, who is responsible, and whether any data is incomplete or invalid.

According to Wahyudi et al., (2024) Implementing a monitoring system in a regional government information system can speed up the reporting process, reduce recording errors, and help ensure that the resulting financial reports are more accurate and timely.

Furthermore, monitoring also helps improve internal control and public transparency. With the

automatic tracking feature, every activity within the system is recorded, reducing the risk of data misappropriation or report manipulation. System-based monitoring also allows supervisors or auditors to directly assess the condition of financial data without having to wait for manual reports.

### C. Quality Report Regional Finance

Regional financial reports are a form of accountability from local governments for the use of public funds during a budget period. Good quality financial reports demonstrate that the financial information presented is relevant, reliable, comparable, and easy to understand. by report users.

According to Tri (2019) The quality of financial reports is influenced by several key factors, namely the implementation of Government Accounting Standards (SAP), the effectiveness of information systems, internal controls, and human resource competency. When these four factors are implemented effectively, the resulting financial reports will have a high level of reliability.

Besides that, research by Eloi Diana (2022) emphasized that the use of information technology and accounting information systems helps local governments increase transparency, accelerate reporting, and minimize recording errors. With document information and monitoring systems, data verification and financial reporting can be carried out more quickly and monitored.

The quality of regional financial reports will improve if regional governments use an integrated information system. between recording, document management, and monitoring functions. This system ensures that the resulting financial reports are not only fast and efficient, but also accurate, transparent, and accountable

## III. RESEARCH METHODOLOGY

This research uses a conceptual-descriptive approach that focuses on analyzing the relationship between document information system design and monitoring mechanisms to improve the quality of regional financial reports. This method is not oriented towards statistical testing, but rather on developing a theoretical framework and synthesizing scientific literature relevant to government information systems, digital document management, and public sector accounting. The analysis is conducted through a structured literature review of regulations related to regional financial governance, government accounting guidelines, and various scientific articles discussing the application of information technology and internal control in regional government financial reporting. Through this approach, the research conceptually examines how document information systems and monitoring features play a role in strengthening the qualitative characteristics of financial reports. including relevance, reliability,

comparability, and ease of understanding as stipulated in the Government Accounting Standards (SAP). The results of this conceptual analysis are expected to produce applicable system design ideas while providing evidence-based policy insights for increasing transparency, efficiency, and accountability in financial management in local governments.

#### IV. DISCUSSION

##### A. Relatedness System Information Document with Quality Report Finance

A document information system is a crucial component in supporting the implementation of regional accounting and financial reporting. This system functions to manage various financial documents, such as transaction receipts, accountability letters (SPJ), budget realization reports, and audit archives, so that they are stored digitally and easily accessible. In the context of regional government, these documents serve as valid evidence of the use of public funds and the basis for preparing financial reports. Therefore, proper document management through an information system will directly impact the accuracy and reliability of regional financial reports. When all financial documents are digitized and stored in a structured manner, the risk of data loss and recording errors can be minimized.

In traditional, manual financial systems, document retrieval is time-consuming and often leads to reporting delays. Through a document information system, every piece of financial transaction evidence can be uploaded to the system with a unique digital identity. These documents are automatically stored in a centralized database, accessible by various parties according to their respective authorities. This creates efficiency in the reporting process and simplifies the audit process. As explained by Arif et al., (2024) The implementation of *the Regional Government Information System (SIPD)* helps speed up the accounting and financial reporting process because financial data and supporting documents can be accessed in real-time by related work units without the need for manual processes.

The relationship between document information systems and financial report quality can also be seen in terms of data relevance and comparability. Information systems enable standardized data storage and processing, resulting in a uniform format and structure across periods and across agencies. This makes financial reports easier to compare, both for internal and inter-regional evaluations. Research (Tri, 2019) emphasized that the use of technology-based accounting systems can improve the consistency of report presentation and help local governments comply with Government Accounting Standards (SAP).

systems are closely linked to improving the quality of regional financial reports. Through

document digitization, work efficiency increases, recording errors are reduced, and public transparency is enhanced. Furthermore, this system supports the principles of *good governance*. *governance* by ensuring that every financial report is prepared based on valid, accurate, and accountable data. Thus, the implementation of a document information system serves not only as an administrative tool but also as a crucial foundation for building professional, efficient, and transparent regional financial governance.

##### B. The Role of Monitoring in Increase Accountability and Timeliness

Monitoring is a crucial component of a regional financial information system, serving to oversee, evaluate, and ensure that every financial reporting process complies with applicable regulations. In the context of regional government, monitoring is not only conducted to assess the final results in the form of financial reports, but also to observe all stages of report preparation, from data input and transaction validation to the presentation of the final report. Through an information system equipped with monitoring features, the oversight process can be carried out in real time, allowing errors to be detected early before the report is finalized. This makes monitoring an effective internal control mechanism in supporting accountability in regional financial management.

One of the main objectives of implementing monitoring in information systems is to increase **public** accountability. With an automatic monitoring system, every activity carried out by system users can be recorded, such as document uploading, data changes, and report validation will be recorded digitally. This electronic record serves as an audit trail *that* ensures all user actions can be tracked and accounted for. According to Arif et al., (2024) The implementation of an integrated regional government information system allows for faster and more transparent audits, as any changes to financial data can be monitored directly. Thus, monitoring serves as an internal control tool to ensure all financial activities comply with procedures and do not deviate from established regulations.

Besides improving accountability, the monitoring feature also significantly impacts the timeliness of financial reporting. In manual systems, the reporting process is often delayed due to delays in document collection from various work units. However, with digital monitoring, management can view reporting progress directly through the system dashboard. If a work unit is found to have uncompleted or incomplete reports, the system will provide an automatic notification as a reminder.

Monitoring also plays a crucial role in improving the reliability and validity of financial reports. Monitoring systems not only display reporting progress but can also perform automated data checks to detect discrepancies, such as

unbalanced transaction values or incomplete supporting documentation. This allows the system to assist employees in correcting errors before reports are submitted. This automated verification function not only speeds up work but also improves the quality of the final financial report. In line with this, (Tri, 2019) emphasized that a technology-based internal control system plays a significant role in ensuring the reliability of financial reports because it is able to prevent recording errors early on.

Implementation Monitoring in the regional financial information system provides two main benefits: first, it increases accountability, because every financial activity is recorded and can be audited; and second, it increases **timeliness**, because the reporting process can be monitored continuously. Monitoring helps ensure that financial reports are prepared based on valid, complete data, and in accordance with the predetermined reporting schedule. Therefore, the monitoring feature is not only an administrative tool, but also an integral part of a technology-based oversight system that encourages the creation of transparent, efficient, and accountable regional financial governance in accordance with the principles of *good governance*.

### C. Impact to Quality Report Regional Finance

The quality of regional financial reports reflects the extent to which local governments are able to present relevant, reliable, comparable, and easily understood financial information to report users, both internal and external. In today's digital era, the quality of financial reports is determined not only by the capabilities of human resources, but also by the extent to which information technology and financial data management **systems** are effectively implemented. Implementing a document information and monitoring system is a crucial step in ensuring that financial reports are prepared based on valid, verified, and timely data. Therefore, this system has a direct impact on improving the quality of financial reports, both in terms of data accuracy and speed of presentation.

One of the main impacts of implementing a document information and monitoring system is the increased relevance of financial information. The system allows every financial transaction and document to be automatically recorded in a centralized database. This ensures that the data presented in the financial reports truly reflects the actual financial condition of the region. According to Arif et al., (2024) The implementation of *the Regional Government Information System (SIPD)* helps provide more relevant financial information for decision-making because all data is collected systematically and can be directly accessed by authorized users. This relevance is crucial for financial reports to serve as a tool of accountability and a basis for regional policy planning.

The next impact is increased timeliness of financial reporting. In manual systems, reports are often late in being compiled due to waiting for documents to be collected from various work units. However, through an information system equipped with monitoring features, agency leaders can monitor the progress of report preparation at any time. If a work unit has not completed documents or input data, the system will provide an automatic notification. Research in (Wahyudi et al., 2024) shows that implementing an information system equipped with a real-time monitoring mechanism accelerates the completion of financial reports and reduces the rate of delays in submitting annual reports to the BPK. Timeliness is one of the main indicators of financial report quality because it demonstrates the efficiency and readiness of an agency to account for its finances.

The design and implementation of a document information and monitoring system have a significant positive impact on the quality of regional financial reports. This system improves the relevance, reliability, comparability, and timeliness of reporting by providing accurate, valid, and digitally verified data. Furthermore, this system reinforces the principles of *good governance* because it supports transparency and public accountability in regional financial management. Therefore, local governments need to continue to promote the development of document information and monitoring systems as part of the digital transformation toward more professional, efficient, and reliable financial governance.

### V. CONCLUSION

This study concludes that an integrated document information and monitoring system has a significant contribution to improving the quality of regional financial reports. The digital management of financial documents allows data to be organized systematically, securely stored, and easily accessed, which helps minimize errors, data loss, and delays in the reporting process. Through this system, financial reports are prepared based on complete and verifiable supporting documents, ensuring higher levels of accuracy and reliability.

In addition, the monitoring feature embedded in the information system enhances accountability and timeliness in financial reporting. Real-time supervision enables management to track reporting progress, detect irregularities early, and ensure compliance with Government Accounting Standards (SAP). The presence of automated audit trails also strengthens internal control and promotes transparency in regional financial management.

Overall, the implementation of a document information and monitoring system serves as a strategic tool in advancing good governance practices. By increasing efficiency, transparency, and accountability, the system supports the creation of more effective, credible, and professional regional



financial governance, making it an essential component of digital transformation in the public sector.

## VI. RECOMMENDATIONS

To improve the quality of regional financial reports, it is recommended that the design and implementation of document information and monitoring systems be comprehensively optimized across all regional government work units. This system needs to be designed to improve the relevance and timeliness of financial information through consistent data entry processes, automated validation, and integration between financial reporting modules. Every financial transaction must be accompanied by digital supporting documents directly connected to the system, so that the reporting process can be carried out quickly, transparently, and in accordance with applicable laws and regulations.

Furthermore, strengthening internal control mechanisms within the system needs to be a top priority. Features such as *audit trails*, automated document verification, and system-based data reconciliation procedures must be developed to ensure the reliability and honesty of financial reporting. This step also supports the realization of accountable financial reports free from material errors. Furthermore, local governments need to provide ongoing training and capacity building for financial management personnel so they can operate information systems correctly and understand the importance of data integrity in regional financial reporting.

In the long term, the implementation of a document information and monitoring system is also expected to become a strategic instrument in regional financial bureaucratic reform, particularly in building transparent, efficient, and digitally data-driven governance. Therefore, a strong commitment from regional leaders is required in terms of policy support, system development budgeting, and cross-sector integration to ensure optimal system function.

## VII. REFERENCES

- Achirudin, M., & Zuraidah, E. (2022). *Design of Document Management Information System in Keagungan Village*. 2 (6), 234–242.
- Arif, RN, Firmansyah, A., Pembangunan, U., & Veteran, N. (2024). *IMPLEMENTATION OF THE REGIONAL GOVERNMENT INFORMATION SYSTEM OF THE REPUBLIC OF INDONESIA (SIPD RI) IN THE ACCOUNTING AND REPORTING PROCESS*. 3 (1), 14–28.
- Bagus, I., & Sudiarmika, K. (2023). *DESIGN OF WEB-BASED PLANNING DOCUMENT INFORMATION SYSTEM CASE STUDY OF BAPPEDA AND LITBANG OF GIANYAR REGENCY*. *Journal of Information and Computer Technology*, 9 (1), 22–31.
- Eloi Diana, N. (2022). *THE ROLE OF HUMAN RESOURCE COMPETENCIES AND INTERNAL CONTROL SYSTEMS ON THE QUALITY OF FINANCIAL REPORTS THROUGH THE USE OF INFORMATION TECHNOLOGY IN THE REGIONAL FINANCIAL AND ASSET MANAGEMENT REVENUE AGENCY OF KUPANG REGENCY*. *Journal of Social and Technology*, 2 (10), 857–864.
- Fitriani, L., & Solikhin, A. (2024). *THE IMPLEMENTATION OF GOVERNMENT INFORMATION SYSTEMS*. 13 (05), 1548–1561.
- Indra Suyoto, K. (2016). *DETERMINANTS OF THE QUALITY OF LOCAL GOVERNMENT FINANCIAL REPORTS*. *Performance: Journal of Economics and Management*, 13 (1), 47–58.
- Ridoh, A., & Putra, YI (2021). *Planning and Implementation of a Web-Based Public Service Document Information System to Make it Easier for the Public to Obtain Information at the Bungo Regency Government*. *Basicedu Journal*, 5 (5), 4227–4235.
- Tri, I. (2019). *THE EFFECT OF THE IMPLEMENTATION OF GOVERNMENT ACCOUNTING STANDARDS, IMPLEMENTATION OF REGIONAL MANAGEMENT INFORMATION SYSTEMS, AND GOVERNMENT INTERNAL CONTROL SYSTEMS ON THE QUALITY OF FINANCIAL REPORTS OF THE SELUMA REGENCY GOVERNMENT*. *Journal of Accounting*, 9 (2), 131–140.
- Wahyudi, KP, Sinurat, M., Romarina, A., Johannes, AW, Pemerintahan, I., Negeri, D., Raya, J., Sumedang, K., & Barat, J. (2024). *Optimizing the Implementation of Regional Government Information Systems in Improving the Quality of Financial Reports in Gianyar Regency*. Author : Affiliation : *JEKP (Journal of Economics and Public Finance)*, 11 (1), 27–38.
- Widya Retno, H. (2025). *Indonesian Journal of Law and Economics Review*. *Indonesian Journal of Law and Economics Review*, 20 (1), 1–13. <https://doi.org/10.21070/ijler.v20i1.1418>