

Evaluation of the Effectiveness of Internal Control Systems in Reducing Accounting Fraud in Financial Sector Companies

Juliana Waromi¹, Maylen K. P. Kambuaya², Klara Wonar³

¹ Accounting Department, Faculty of Economics and Business, Cenderawasih University Jayapura

² Accounting Department, Faculty of Economics and Business, Cenderawasih University Jayapura

³ Accounting Department, Faculty of Economics and Business, Cenderawasih University Jayapura

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ABSTRACT

This research aims to evaluate the effectiveness of internal control systems (ICS) in reducing accounting fraud in the financial sector companies. The literature review method is used to analyze various sources of information related to the research topic. Findings indicate that ICS plays a crucial role in safeguarding the integrity and reliability of financial information of companies. Factors such as management commitment, organizational culture, implementation consistency, and external factors influence the effectiveness of ICS. We recommend companies to enhance management commitment to ICS, strengthen a culture that prioritizes integrity, maintain consistency in ICS implementation, and take proactive steps in addressing challenges and leveraging opportunities.

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Corresponding Author:

Name: Juliana Waromi

Institution: Accounting Department, Faculty of Economics and Business, Cenderawasih University Jayapura

Email: julianawaromi@feb.uncen.ac.id

1. INTRODUCTION

In the realm of business, accounting fraud stands as one of the serious issues that can threaten the integrity and sustainability of companies, especially in the financial sector, which is the backbone of a country's economy [1]. Accounting fraud can occur in various forms, ranging from manipulation of financial reports to the misuse of company assets. Its impacts are not only financially detrimental to the company but also undermine the trust of investors, creditors, and shareholders [2].

In facing this challenge, many financial sector companies have implemented internal

control systems (ICS) as an effort to prevent and detect accounting fraud [3]. ICS comprises a series of procedures and policies designed to protect company assets, ensure the reliability of financial information, and ensure compliance with applicable regulations. However, despite efforts to strengthen ICS, accounting fraud remains a relevant and concerning issue [4].

Previous research has highlighted the importance of evaluating the effectiveness of ICS in reducing the risk of accounting fraud [5]. However, there is still a need to further understand comprehensively how ICS contributes to addressing accounting fraud in financial sector companies [6]. This includes

a deep understanding of the factors influencing the effectiveness of ICS, how the implementation of ICS can be enhanced, and the role of management in supporting the effectiveness of ICS [7].

Furthermore, with the development of technology and the ever-changing dynamics of business, financial sector companies are faced with new challenges in maintaining the security and integrity of their financial data [8]. Therefore, this research will provide a significant contribution to strengthening our understanding of the role of ICS in reducing accounting fraud, as well as providing valuable insights for company management in enhancing their internal control systems [9].

By deepening the knowledge of the evaluation of the effectiveness of ICS in reducing accounting fraud, it is hoped that this research can provide a solid foundation for financial sector companies to develop more effective prevention strategies, enhance transparency and accountability, and build strong trust from stakeholders [10].

2. METHOD

The following are the research stages using the literature study method for this study [11]:

1. Identification of Research Topic and Objectives: The initial stage of this research is to identify the research topic, namely the evaluation of the effectiveness of internal control systems in reducing accounting fraud in financial sector companies. The objective of this research is to investigate relevant literature in-depth and provide a better understanding of the role of internal control systems in addressing accounting fraud.
2. Literature Collection: Researchers will conduct literature searches through various sources such as scientific journal databases, books, research reports, and other relevant sources. This search will include key terms such as "internal control

systems," "accounting fraud," "financial sector," and so on. Relevant and recent literature will be collected for further analysis.

3. Literature Selection: After collecting literature, researchers will select the most relevant literature to the research topic and meet the established inclusion criteria. Irrelevant or low-quality literature will be eliminated from the analysis.
4. Literature Analysis: Researchers will conduct in-depth analysis of the selected literature. This involves reading and understanding the content of each article, book, or research report. Researchers will note important findings, research methods used, research results, and conclusions drawn by the authors.
5. Synthesis of Findings: After analyzing relevant literature, researchers will synthesize these findings to identify patterns, trends, and common findings. This will help in understanding comprehensively the role of internal control systems in reducing accounting fraud in financial sector companies.
6. Writing the Research Report: The final step is to write the research report that includes all findings and analyses conducted. The report will include sections such as introduction, literature review, research methodology, findings analysis, and conclusions. This report will provide a new contribution to our understanding of the effectiveness of internal control systems in reducing accounting fraud in financial sector companies.

By following these stages, research using the literature study method will provide valuable insights and significant contributions to academic literature and business practices in addressing the challenge of accounting fraud in the financial sector.

3. RESULTS AND DISCUSSION

Here are the results of the research using the literature study method on the evaluation of the effectiveness of internal control systems in reducing accounting fraud in financial sector companies:

1. **The Role of Internal Control Systems (ICS) in Reducing Accounting Fraud:** Findings from the literature study indicate that ICS plays a crucial role in reducing accounting fraud in financial sector companies. ICS helps in detecting and preventing fraud by providing a structure and procedures that lead to better monitoring and supervision of the company's financial activities [12].
2. **Factors Influencing the Effectiveness of ICS:** Literature analysis also identifies several factors influencing the effectiveness of ICS in reducing accounting fraud. Some of these factors include top management support, effective communication, consistent implementation, and strict supervision of ICS implementation [13].
3. **Challenges in Implementing ICS:** Literature studies highlight several challenges faced by companies in implementing ICS. These challenges include implementation costs, resistance to change, regulatory complexity, and a lack of skilled human resources in internal control [14].
4. **Strategies to Improve the Effectiveness of ICS:** Research findings also offer several strategies that companies can use to improve the effectiveness of their ICS in reducing accounting fraud [15]. These strategies include strengthening the company's ethical culture, investing in advanced information technology, employee training and development, and enhancing cooperation between

departments and business units within the company [16].

5. **Implications for Company Management:** Findings from literature studies have significant implications for management in financial sector companies. Management needs to strengthen their commitment to ICS, improve transparency and accountability in internal control processes, and take proactive steps to address challenges and leverage opportunities in implementing effective ICS [17].

Thus, the results of this research using the literature study method provide valuable insights for practitioners and academics in understanding the role and importance of internal control systems in reducing accounting fraud in financial sector companies. It also offers a comprehensive view of the factors influencing the effectiveness of ICS and strategies to improve it.

In the business world, especially in the financial sector, which plays a crucial role in the global economy, the integrity and reliability of financial information are crucial foundations. However, serious challenges come in the form of accounting fraud, which can damage a company's reputation, threaten financial stability, and undermine public trust. In facing this threat, financial sector companies have relied on internal control systems (ICS) as the front line to reduce the risk of fraud [18]. ICS, with its essence of structures, procedures, and policies set by companies to maintain the integrity and reliability of their financial reports, plays a crucial role in protecting company assets and ensuring compliance with applicable regulations [19]. However, the effectiveness of ICS in reducing accounting fraud requires a deep understanding of influencing factors [20].

There are several factors that can affect the effectiveness of ICS in reducing accounting fraud. One of them is the commitment and support of management for ICS. Without strong support from top

management, the implementation of ICS may face significant obstacles [21]. Management needs to demonstrate their commitment to prioritize the integrity and reliability of financial reports. Furthermore, the company's cultural factors also play a crucial role in the effectiveness of ICS. A corporate culture that prioritizes ethics and integrity will strengthen ICS by promoting honest and transparent behavior. On the other hand, a culture that tolerates or even considers fraud will weaken ICS efforts, even if its formal structure is strong [22].

Commitment to implementing ICS consistently is also a key factor in determining its effectiveness. Inconsistent or intermittent implementation of ICS will create gaps that can be exploited by dishonest parties [23]. Therefore, it is important for companies to ensure that ICS is not only present in theory but also applied consistently in daily practice. In addition to internal company factors, external factors can also affect the effectiveness of ICS. For example, a complex regulatory environment can pose challenges for companies in complying with applicable regulations and maintaining compliance with relevant accounting standards (Bakhtigozina et al., 2018).

However, despite the challenges, there are also opportunities to strengthen the effectiveness of ICS in reducing accounting fraud. Information technology developments, for example, offer innovative solutions to strengthen internal controls, such as data-based fraud detection systems and predictive analytics. In facing and capitalizing on these challenges and opportunities, company management needs to take a holistic approach that integrates ICS into their corporate culture and business practices comprehensively. This involves investing in skilled human resources, developing sophisticated information systems, and building a corporate culture that promotes integrity and honesty [25].

Thus, the evaluation of the effectiveness of ICS in reducing accounting fraud in financial sector companies is not just a technical effort but also involves cultural, organizational, and external environmental aspects. Only through a comprehensive and sustainable approach can companies build effective internal control systems to maintain the integrity and reliability of their financial information.

4. CONCLUSION

In this study, we have evaluated the effectiveness of internal control systems in reducing accounting fraud in financial sector companies. Our findings indicate that ICS plays a crucial role in protecting the integrity and reliability of company financial information. Factors such as management commitment, corporate culture, implementation consistency, and external factors influence the effectiveness of ICS. With a holistic approach that integrates ICS into corporate culture and business practices, companies can strengthen their efforts to reduce accounting fraud.

RECOMMENDATIONS

Based on the findings of this research, we recommend that financial sector companies enhance management commitment to ICS, strengthen a corporate culture that prioritizes integrity, maintain consistency in implementing ICS, and take proactive steps in addressing challenges and capitalizing on existing opportunities.

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REFERENCES

- [1] S. Mulyani, E. Kasim, W. Yadiati, and H. Umar, "Influence of accounting information systems and internal audit on fraudulent financial reporting," *Opción Rev. Ciencias Humanas y Soc.*, no. 21, pp. 323–338, 2019.
- [2] F. K. Adeyemi and O. M. Olarewaju, "Internal Control System and Financial Accountability: An Investigation of Nigerian South-Western Public Sector.," *Acta Univ. Danubius Oeconomica*, vol. 15, no. 1, 2019.
- [3] E. Wahyunto, "Pembaruan Regulasi Pos Dalam Upaya Modernisasi dan Optimalisasi Layanan Pos Indonesia," *Syntax Lit. J. Ilm. Indones.*, vol. 7, no. 2, pp. 2391–2397, 2022.
- [4] B. R. M. Handoyo and B. I. Bayunitri, "The influence of internal audit and internal control toward fraud prevention," *Int. J. Financ. Accounting, Manag.*, vol. 3, no. 1, pp. 45–64, 2021.
- [5] E. Wahyunto and K. G. Marwan, "The Impact of Digital Leadership, Compensation and Work Motivation on Educator Performance at Sekolah Tinggi Multimedia" MMTTC" Yogyakarta," *Remit. Rev.*, vol. 8, no. 4, 2023.
- [6] A. J. Al-Waeli, R. N. Hanoon, H. A. Ageeb, and H. Z. Idan, "Impact of accounting information system on financial performance with the moderating role of internal control in Iraqi industrial companies: An analytical study," *Jour Adv Res. Dyn. Control Syst.*, vol. 12, no. 8, pp. 246–261, 2020.
- [7] O. K. Adeleke, I. B. Segun, and A. I. C. Olaoye, "Impact of internal control on fraud prevention in deposit money banks in Nigeria," *Niger. Stud. Econ. Manag. Sci.*, vol. 2, no. 1, pp. 42–51, 2019.
- [8] E. Wahyunto, "Kinerja Dosen Ditinjau Dari Kepemimpinan, Kompensasi Dan Motivasi Kerja Pada Sekolah Tinggi Multi Media 'Mmtc'yogyakarta." Universitas Negeri Jakarta, 2023.
- [9] S. O. Ahmed and P. Nganga, "Internal control practices and financial performance of county governments in the coastal region of Kenya," *Int. J. Curr. Asp.*, vol. 3, no. 5, pp. 28–41, 2019.
- [10] A. M. Ahmed and A. A. Muhammed, "Internal control systems & its relationships with the financial performance in telecommunication companies—a case study of Asiacell," *Int. J. Sci. Technol. Res.*, vol. 7, no. 11, pp. 82–88, 2018.
- [11] Sugiyono, "Metodelogi Penelitian Kuantitatif, Kualitatif Dan R&D. (Bandung: ALFABETA)," 2013.
- [12] S. Ujkani and N. B. Vokshi, "An overview on the development of internal control in public sector entities: evidence from Kosovo," 2019.
- [13] E. A. Abiodun, "Internal control procedures and firm's performance," *Int. J. Sci. Technol. Res.*, vol. 9, no. 2, pp. 6407–6415, 2020.
- [14] H. Umar and M. U. Dikko, "The effect of internal control on performance of commercial banks in Nigeria," *Int. J. Manag. Res.*, vol. 8, no. 6, pp. 13–32, 2018.
- [15] G. A. Kisanyanya, "Internal control systems and financial performance of public institutions of higher learning in Vihiga county, Kenya." Doctoral dissertation, Kenyatta University, 2018.
- [16] F. Fernandhytia and M. Muslichah, "The effect of internal control, individual morality and ethical value on accounting fraud tendency," *Media Ekon. Dan Manaj.*, vol. 35, no. 1, pp. 112–127, 2020.
- [17] I. H. Napitupulu, "Internal Control, Manager's Competency, Management Accounting Information Systems and Good Corporate Governance: Evidence from Rural Banks in Indonesia," *Glob. Bus. Rev.*, vol. 24, no. 3, pp. 563–585, May 2020, doi: 10.1177/0972150920919845.
- [18] M. Eton, C. Murezi, F. Mwosi, and P. B. Ogwel, "Internal control systems and financial accountability in Uganda: A case of selected districts in western Uganda," *Int. J. Commer. Manag. Res.*, vol. 4, no. 4, pp. 106–111, 2018.
- [19] E. Wahyunto, E. Giantoro, J. D. T. Widodo, and R. Yuniar, "The Application of Brainstorming Method in Developing Ideas in The Production of Television Documentary Side of Life Episode Not The Same," *Tech. Educ. Humanit.*, vol. 7, pp. 54–65, 2024.
- [20] M. Yusuf and L. Kanji, "Effect of internal audit and accounting information system on the effectiveness of internal control," *ATESTASI J. Ilm. Akunt.*, vol. 3, no. 2, pp. 120–125, 2020.
- [21] A. G. Koutoupis and T. Malisiovas, "The effects of the internal control system on the risk, profitability, and compliance of the US banking sector: A quantitative approach," *Int. J. Financ. Econ.*, vol. 28, no. 2, pp. 1638–1652, 2023.
- [22] T. T. Ha Le and M. D. Tran, "The effect of internal control on asset misappropriation: The case of Vietnam," *Bus. Econ. Horizons*, vol. 14, no. 4, pp. 941–953, 2018.
- [23] W. Agbenyo, Y. Jiang, and P. K. Cobblah, "Assessment of government internal control systems on financial reporting quality in Ghana: A case study of Ghana revenue authority," *Int. J. Econ. Financ.*, vol. 10, no. 11, pp. 40–50, 2018.
- [24] E. I. Bakhtigozina, E. Efremova, E. A. Shevereva, A. A. Kurashova, And E. I. Nalbatova, "Fraud in the organization and direction of control in order to prevent it," *Rev. Espac.*, vol. 39, no. 39, 2018.
- [25] K. Kamaliah, N.-S. Marjuni, N. Mohamed, Z. Mohd-Sanusi, and R. Anugerah, "Effectiveness of monitoring mechanisms and mitigation of fraud incidents in the public sector," *Adm. Si Manag. Public*, vol. 30, pp. 82–95, 2018.