**OFFICE MANAGEMENT QUALITY AND RISK MANAGEMENT PRACTICES AS PREDICTORS TO THE LONG-TERM SUSTAINABILITY OF LENDING CORPORATIONS**

**ABSTRACT**

This study aimed to determine whether the office management quality and risk management practices significantly influence the lending corporations’ long-term sustainability. A quantitative descriptive correlational research design was used. There were 155 selected employees in Davao del Norte who were chosen through simple random sampling method. This study used three adapted survey questionnaires. Mean, Person r, and regression analysis were used as statistical tools. The findings revealed that the quality of office management in lending corporations is high, and their risk management practices are also rated high. Furthermore, the long-term sustainability of lending corporations is very high. Additionally, there is a significant relationship between office management quality and risk management practices regarding the long-term sustainability of lending corporations. Further analysis eventually showed that office management quality on long-term sustainability showed a strong positive correlation (r=0.704 p=0.031) and risk management practices on long-term sustainability also showed a strong positive correlational (r=0.742, p=0.019), significantly influence lending corporations’ long-term sustainability. Overall, these findings underscore the significance of effective office management, robust risk management, and the incorporation of environmental and social objectives to achieve long-term sustainability, improve efficiency, and foster ethical practices.

*Keywords: Long-term sustainability, Office management quality, Risk management practices, Regression analysis, Davao del Norte, Philippines.*

**INTRODUCTION**

The long-term sustainability of lending institutions has emerged as a critical issue within the financial sector, characterized by various challenges in achieving environmental and social goals as stated by Domingo et al. (2024). However, recent research conducted by Wetzer et al. (2024) points out that lending institutions are failing to consider fortuitous events in their business plans, which could jeopardize their long-term sustainability. Additionally, DiPrete and Fox-Williams (2021) stresses that some lending institutions neglect community development and inequality issues, raising questions about their positive impact on society and long-term sustainability. Baba et al. (2021) added that this oversight not only diminishes the well-being of the communities they serve but also jeopardizes their reputation and long-term profitability, making it increasingly difficult for them to attain sustainable growth.

 In China, Huang et al. (2023), stated that the government efforts to improve corporate governance may be less effective in regions facing economic hardships, as local authorities in these areas may prioritize economic growth over strict corporate governance standards. Additionally, Jonsdottir et al. (2022) found that in the UK, the absence of consistent sustainability risk assessment and reporting hinders investors' ability to evaluate the sustainability of lending corporations due to inadequate environmental considerations. Moreover, Abdulla & Elshandidy (2023), added that in the UAE, corporations face risks to their long-term sustainability from inconsistent risk management, compliance problems, and varying approaches to managing risks.

 In the Philippines, lending institutions in Zamboanga del Norte face significant challenges related to environmental sustainability, as their lack of experience in managing environmental risks undermines their ability to achieve long-term sustainability as highlighted by Jumawan (2022). Similarly, in Ifugao, Chungyas & Trinidad (2022) noted that the long-term sustainability of lending corporations is compromised by the limited capital and legal restrictions, requiring effective management to ensure efficient operations, compliance with regulations, and achievement of financial and operational goals. Furthermore, Malacora et al. (2023) found that corporation in Leyte are particularly susceptible to external shocks, such as natural disasters and economic crises, which can significantly diminish their financial stability and profitability due to increased operational costs.

 In the Davao Region of the Philippines, Jadraque and Moyon (2024) revealed a multitude of challenges affecting financial institutions, including increased loan defaults driven by members' herding behavior posing risk to the long term sustainability of these institutions. In addition to this, Cruz & Sabado (2022) highlighted the importance of developing robust early detection models and effective risk management strategies to accurately quantify and manage credit risk, as this is crucial for ensuring long-term sustainability of lending corporation and mitigating financial losses due to increasing bankruptcy filings and corporate failures in Davao Region.

This indicates a gap in effective office management quality and risk management practices, both of which are vital for the long-term sustainability of lending companies. Zainuddin et al. (2023) emphasizes that the lack of a clear understanding of the purpose and consequences of these strategies poses a significant challenge to corporate sustainability. Therefore, this study will examine how office management quality and risk management practices affect long-term corporate sustainability in the lending sector. By exploring these relationships, the research aimed to provide insights that help lending corporations enhance performance and achieve sustainable goals, ultimately enabling informed decision-making and fostering a more sustainable future for businesses and society.

 Thus, the researcher provided copies of the results to direct beneficiaries such as, manager, employees and future researches by offering valuable insights into enhancing office operations and improving risk management strategies for sustained business success. To share the results widely, they will be published in academic journals and stored in the college library in Santo Tomas, Davao del Norte. This research particularly benefits the college students, who are within the scope of this study.

**Statement of the Problem**

This study aimed to determine whether office management quality and risk management practicessignificantly influenced the long-term sustainability of lending corporations. Specifically, the following questions were addressed by this study:

 1. What is the level of office management quality?

2. What is the level of risk management practices?

3. What is the level of long-term sustainability?

4. Are there any significant relationship between office management quality and long-term sustainability of lending corporations and risk management practice and long-term sustainability of lending corporations?

5. Do office management quality and risk management practices significantly influence the long-term sustainability of lending corporations?

**Hypothesis**

The following null hypothesis was tested at 0.05 level of significant relationship between the variables:

1. There is no significant relationship between office management quality and long-term sustainability of lending corporations.
2. There is no significant relationship between risk management practice and long-term sustainability of lending corporations.
3. Office management quality and risk management practices do not influence long-term sustainability of lending corporations.

**Theoretical Framework**

This study is anchored on Triple Bottom Line (TBL) Theory by Elkington (1994) which state that importance of people, planet, and profit. Quality management systems that incorporate TBL aim to achieve sustainable results by considering social and environmental factors alongside financial performance, this approach ensures long-term sustainability by striking a balance between economic growth, social responsibility, and environmental protection. Additionally, based on the study of Purnama (2024) state that the TBL theory emphasizes the importance of people, planet, and profit by including TBL in quality management; businesses strive for sustainability by considering not only financial success but also their social and environmental impact. This promotes long-term sustainability, as companies balance economic growth with social and ecological responsibility. In addition, the Stakeholder Theory by Freeman (1984) stresses the importance of satisfying all stakeholders. Quality management practices that consider stakeholder needs help businesses achieve long-term sustainability by building trust, loyalty, and reputation, which are crucial for lasting success. Moreover, based on the study of Valentinov (2023) state that the Stakeholder Theory (ST) emphasizes the necessity of including multiple stakeholders in organizational operations, making it critical for quality management and long-term sustainability. This involvement not only improves organizational performance but also promotes sustainable behaviors.

On the other hand, this study is anchored on Contingency Theory by Fiedler (1960) which states that, there is no single best way to manage organizations; instead, they should adjust their strategies based on internal and external factors. In risk management, this means that companies should tailor their practices to their specific risks, effective risk management helps companies be sustainable in the long term by allowing them to adapt to changing conditions and uncertainties. Additionally, based on the study of Broccardo et al. (2023) state that effective management practices, including risk management, depend on different internal and external factors. This theory is important for understanding how organizations can be sustainable in the long term by using risk management strategies that are specific to their situation. Furthermore, the theory of General System by Bertalanffy (1901–1972) state that the general systems theory sees an organization as a group of connected parts, where changes in one part can affect the whole organization, in risk management, this means that it is important to consider how different risks interact and affect the entire organization. Managing risks from a systems perspective helps to ensure that risks are reduced throughout the organization, which promotes sustainability and overall stability. Specifically, based on the study of Belle et al. (2024) state that the General System Theory offers a helpful way to think about risk management for long-term sustainability, it sees organizations as parts of a bigger system that includes people and the environment. This theory highlights how risks are connected and how organizations need to be flexible to deal with them.

Moreover, this study is anchored on Lean Management Theory by Krafcik (1988) which state that the efficiency and effectiveness of this theory, it aims to eliminate unnecessary activities and optimize resource usage to achieve higher quality and long-term sustainability. Additionally, based on the study of Gama et al. (2023) state that, the Lean Management Theory has a big impact on quality and sustainability, it brings together efficiency and sustainable practices in different industries. This makes for a whole approach that balances money, the environment, and people. While the theory of Chaos by Lorenz (1961) which state that how risks can be unpredictable and hard to understand, it says that even small things can have big effects. Organizations can use this to get ready for things they don’t expect, which help them be sustainable in the long run. Furthermore, based on the study of Şengöz (2024) state that Chaos Theory provides helpful information about managing risks and being sustainable in the long run, it shows how different parts of a system are connected and how things can be unpredictable in complex situations. This can improve decision-making in different areas.

**Independent Variables Dependent Variable**

**Office Management Quality**

* Role of divisional top management and quality policy
* Role of the quality department
* Training
* Product/services design
* Supplier qualitymanagement (supplier of goods and/or services)
* Process management/operating procedures
* Quality and data reporting
* Employee relations

**Long-term Sustainability**

* Social goals
* Environmental goals

**Risk Management Practice**

* Risk identification
* Risk measurement and assessment
* Risk mitigation
* Risk reporting and monitoring
* Risk governance

***Figure 1. The Conceptual Framework of the Study***

**METHODOLOGY**

This chapter explained how the research design, selection of respondents, what tools were used, how data was collected, and how the data was analyzed. It aimed to gather information about how office management quality and risk management practices affect the long-term success of lending companies.

**Research Design**

The study utilized a quantitative research design incorporating descriptive and correlational methods. According to Sileyew, (2019), Quantitative research is a way to gather numbers and study those using statistics to answer questions or test ideas. This method tries to get reliable and general results by focusing on numbers and being objective.

The descriptive approached is about describing a group of people, a situation, or something that happened in an accurate and organized way. It can answer questions like what, where, when, and how, but not why (McCombes, 2023). Additionally, correlational research looks at how things are related to each other without the researcher changing anything. Furthermore, a correlation shows how strong and/or what direction the relationship is between two (or more) things (Bhandari, 2023). The relationship can be either positive or negative.

The researchers adopted the above-mentioned design to address the primary interest and objectives of the study. They specifically employed the descriptive approach to determine and examined the influence of office quality management and risk management practices. The mean test was also used because the study's goal was to assess the level of office management quality and long-term sustainability, as well as the level of risk management and long-term sustainability. Furthermore, a correlational technique was employed to assess and establish the relationship between office management quality and long-term sustainability, as well as risk management practice and long-term sustainability.

**Research Subject**

A sample of selected 155 employees from lending corporations in Santo Tomas, Davao del Norte, Philippines, was conducted. The sample focused on key areas within the municipality, targeting individuals involved in lending operations. The respondents were chosen using a simple random sampling method, which as Thomas (2023) explains, a simple random sample is a group of individuals chosen by chance from a larger population, ensuring everyone has an equal opportunity to be selected. This method guaranteed that the sample was true representation of the intended population of the lending corporations in the area.

**Research Instrument**

 The researchers used three (3) modified adapted survey questionnaires for both the independent variable and dependent variable. The questionnaires were validated by the panelists and an external validator to ensure their validity.

**Quality Management Questionnaire**

 The researcher used a survey questionnaire to assess the office management quality. The researchers adapted a survey questionnaire for the independent variable titled "An Instrument for Measuring the Critical Factors of Quality Management" by Jayant et al. (1989). The questionnaire consisted of 75 items covering the following aspects: divisional top management and quality policy (13 items), role of quality department (6 items), training (10 items), product/service design (8 items), supplier quality management (supplier of good and/or services), (7 items), process management/operating procedures (13 items), quality data and reporting (9 items) and employee relations (9 items). Respondents rated each item using a 5-point Likert Scale, ranging from 5- “Strongly Agree” to “Strongly Disagree”.

|  |  |  |  |
| --- | --- | --- | --- |
| **Scale** | **Range of Means** | **Descriptive Equivalent** | **Interpretation** |
| 5 | 4.20 – 5.00 | Very High | Office Management Quality is always manifested |
| 4 | 3.40 – 4.19 | High | Office Management Quality is oftentimes manifested |
| 3 | 2.60 – 3.39 | Average | Office Management Quality is sometimes manifested |
| 2 | 1.80 – 2.59 | Low | Office Management Quality less manifested |
| 1 | 1.00 – 1.79 | Very Low | Office Management Quality is least manifested |

**Risk Management Practices Questionnaire**

This survey questionnaire used to assess the impact of risk management practices. The researchers adapted a survey questionnaire for the independent variable titled "Risk Management Assessment: the Interplay between Business and Practice in Surigao City, Philippines" by Andan et al. (2024). The questionnaire consisted of 25 items covering the following aspects: risk identification (5 items), risk measurement and assessment (5 items), risk mitigation (5 items), risk reporting and monitoring (5 items) and risk governance (5 items). Respondents rated each item using a 5-point Likert scale, ranging from 5- “Strongly Agree” to “Strongly Disagree”.

|  |  |  |  |
| --- | --- | --- | --- |
| **Scale** | **Range of Means** | **Descriptive Equivalent** | **Interpretation** |
| 5 | 4.20 – 5.00 | Very High | Risk Management Practices is always apparent  |
| 4 | 3.40 – 4.19 | High | Risk Management Practices is oftentimes apparent  |
| 3 | 2.60 – 3.39 | Average | Risk Management Practices is sometimes apparent |
| 2 | 1.80 – 2.59 | Low | Risk Management Practices is less apparent |
| 1 | 1.00 – 1.79 | Very Low | Risk Management Practices is least apparent |

**Sustainability Questionnaire**

This survey questionnaire used to assess the impact of long-term sustainability. The researchers adapted a survey questionnaire for the dependent variable titled "Integrating Sustainability into Strategic Management: A Path Towards Long-Term Business Success" by Dina Alkhodary (2023). The questionnaire consisted of 6 items covering the following aspects: social goals (3 items), and environmental goals (3 items). Respondents rated each item using a 5-point Likert scale, ranging from 5- “Strongly Agree” to “Strongly Disagree”.

|  |  |  |  |
| --- | --- | --- | --- |
| **Scale** | **Range of Means** | **Descriptive Equivalent** | **Interpretation** |
| 5 | 4.20 – 5.00 | Very High | Long-term Sustainability is always evident. |
| 4 | 3.40 – 4.19 | High | Long-term Sustainability is oftentimes evident. |
| 3 | 2.60 – 3.39 | Average | Long-term Sustainability is sometimes evident. |
| 2 | 1.80 – 2.59 | Low | Long-term Sustainability is less evident. |
| 1 | 1.00 – 1.79 | Very Low | Long-term Sustainability is least evident. |

**Data Gathering Procedures**

The researchers followed a structured process for data collection. First, they secured approval from the Vice President for Research and Development at STCAST to conduct the study in Santo Tomas. The survey questionnaire was modified and validated by experts before distribution to selected managers and employees in lending corporations. After data collection, responses were systematically tabulated and analyzed with the assistance of a statistician to ensure accurate interpretation using appropriate statistical tools.

**Statistical Treatment of Data**

 The study utilized several statistical tools for data analysis. The mean was used to assess the level of Office Management Quality, Risk Management Practices, and Long-term Sustainability of Lending Corporations. Pearson’s r measured the strength and direction of the correlation between variables. Multiple Regression Analysis was employed to examine the relationship between office quality management, risk management practices, and long-term sustainability, providing insights into their predictive connections.

**RESULTS AND DISCUSSION**

This chapter presents the findings and discussion of the study. It includes tables displaying the data and provides descriptive interpretations of these results.

In the table 1 below the data reveal that office management quality is generally high, as reflected in various organizational aspects. Specifically, the results suggest that divisional top management and quality policy play a significant role, consistently contributing to a well-structured management framework. Training programs and quality data reporting also demonstrate a strong presence, emphasizing the organization's commitment to effective management practices. Additionally, the role of the quality department and process management/operating procedures reflect a focus on maintaining consistency and efficiency.

**Table 1 Summary on the level of office management of Lending Corporations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indicators** | **Mean** | **SD** | **Descriptive Equivalent** |
| 1.Role Of Divisional Top Management And Quality Policy | 4.28 | 0.50 | Very high  |
| 2.Role Of The Quality Department | 4.00 | 0.61 | High  |
| 3.Training | 3.99 | 0.59 | High  |
| 4.Product/ Service Design | 3.91 | 0.62 | High  |
| 5.Supplier Quality Management (Supplier Of Goods And /Or Services) | 3.84 | 0.58 | High  |
| 6.Process Management/Operating Procedures | 3.90 | 0.44 | High  |
| 7.Quality Data And Reporting | 4.03 | 0.55 | High  |
| 8.Employee Relations | 4.11 | 0.51 | High  |
| **Average**  | **4.01** | **0.55** | **High**  |

The findings are supported by Arulsamy et al. (2023), who emphasize that lending corporations with effective office management systems benefit from divisional top management driving quality policies. Divisional top management and quality policy play a crucial role in shaping organizational performance. While there is room for improvement in areas such as the quality department's role and supplier quality management, Salah et al. (2023) highlight their significance for overall organizational performance. This is reflected in the strong emphasis on the quality department, employee relations, and data reporting, which demonstrate the organization's commitment to long-term success. This comprehensive approach to office management aligns with López-Cabarcos et al. (2022), who stress the importance of a holistic management strategy for achieving sustained success.

***Summary on the level of Risk Management Practices of Lending Corporations***

Table 2 summarizes the level of Risk Management Practices of Lending Corporations. Among the five indicators, risk identification got the highest mean of 4.45. It is followed by risk mitigation with a mean of 4.13. Additionally, risk reporting and monitoring got the mean of 4.01. On the other hand, risk governance got the lowest mean of 3.96. Furthermore all indicators above mentioned except the risk identification got a descriptive equivalent of high which collectively means that all items mentioned above are oftentimes apparent. While the items in risk identification are oftentimes apparent.

The level of Risk Management Practices of Lending Corporations has an overall mean of 4.13 with a descriptive equivalent of high. This means that the level of lending corporations’ risk management practices is oftentimes apparent. The standard deviation of 0.55 in the overall mean indicates that the measures of variability of risk management practices of lending corporations are spread out from the mean. Therefore, this shows the diverseness of lending corporations’ responses in this variable.

**Table 2 Summary on the level of Risk Management Practices of Lending Corporations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indicators** | **Mean** | **SD** | **Descriptive Equivalent** |
| 1. risk identification | 4.45 | 0.55 | Very high |
| 2. risk measurement and assessment | 4.09 | 0.57 | High |
| 3. risk mitigation | 4.13 | 0.56 | High |
| 4. risk reporting and monitoring | 4.01 | 0.53 | High |
| 5. risk governance | 3.96 | 0.56 | High |
| **Average**  | **4.13** | **0.55** | High |

Based on the results, it is emphasized that the lending corporations are strongly committed to risk management practices, especially in risk identification, which suggests these practices are consistently applied throughout the organization. This emphasis reflects a proactive strategy for addressing potential threats. While the data showcases specific practices and processes, it overlooks employees' perceptions of their work environment and their confidence in these processes. This distinction is significant, as it highlights objective practices rather than subjective assessments of the effectiveness of risk management from the employees' standpoint, indicating a need for further research to better understand the overall impact of these practices.

These findings are supported by the works of Gherghina (2023), which emphasized that need for comprehensive and consistent risk management practices. A company's success hinges on its ability to inspire and engage all employees in creating value. Additionally, Aven at Renn (2020) highlights that risk management frameworks prioritize processes like identifying, assessing, and mitigating risks. These frameworks aim to ensure organizational sustainability and don't usually measure subjective factors such as employees' feelings or confidence levels. Chauhan et al. (2022), stresses that the practices are generally strong, it is suggested that a more uniform application of risk management practices across all areas would further support the sustainability goals of the organization.

***Summary on the Level of Long-Term Sustainability of Lending Corporations***

Table 3 summarizes the Level of Long-Term Sustainability of employees. Among the two indicators, social goals got the highest mean of 4.58 with a descriptive equivalent of very high. On the other hand, environmental goals got the lowest mean of 3.86, a descriptive equivalent of high. Furthermore, items in social goals are always evident. Items in environmental goals are oftentimes evident.

The level of Long-term Sustainability of Lending Corporations has an overall mean of 4.22 with a descriptive equivalent of very high. This means that the level of lending corporations’ long-term sustainability is always evident. The standard deviation of 0.54 in the overall mean indicates that the measures of variability of long-term sustainability of lending corporations are spread out from the mean. Therefore, this shows the diverseness of lending corporations’ responses in this variable.

**Table 3 Summary on the Level of Long-Term Sustainability of Lending Corporations**

|  |  |  |  |
| --- | --- | --- | --- |
| **Indicators** | **Mean** | **SD** | **Descriptive Equivalent** |
| 1 social goals | 4.58 | 0.50 | Very high |
| 2.environmental goals | 3.86 | 0.57 | High |
| **Average**  | **4.22** | **0.54** | **Very high** |

The findings reveal that employees at lending corporations are highly dedicated to social and environmental issues. This commitment manifests in their active participation in initiatives that foster long-term sustainability. While these efforts typically align with the expectations of both the companies and the community, particularly in social matters, there is a greater need for emphasis on environmental objectives.

 These results are supported by the works of Hermundsdottir and Aspelund (2022), which discovered that organizations achieving long-term sustainability effectively incorporate both social and environmental aspects. This is reflected in the strong assessment of the social goals indicator, suggesting that the organization excels in these areas. Cakmak (2023), highlighted the increasing significance of these goals for organizational resilience in an ever-evolving business environment, which complements the positive evaluation of environmental goals, indicating a commitment to environmental sustainability, albeit to a lesser extent than social goals. Additionally, Aguilera et al. (2021) underscored the growing influence of corporate governance in promoting environmental initiatives, reinforcing the need to balance and enhance both social and environmental objectives for comprehensive sustainability.

**Significance of the relationship between the Office Management Quality and Risk Management Practices on the Long-Term Sustainability**

Table 4 shows the relationship between the Office Management Quality and Risk Management Practices on the Long-Term Sustainability

**Table 4 Significance Of The Relationship Between The Variables**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variables Correlated** | **r** | ***p-*value** | **Decision on Ho** | **Decision on Relationship** |
| Office Management Quality and Long-Term Sustainability | 0.704 | 0.031 | Rejected | Significant |
| Risk Management Practices and Long-Term Sustainability | 0.742 | 0.019 | Rejected | Significant |

The correlation between office management quality and long-term sustainability, with an r-value of 0.704 and a statistically significant *p*-value of 0.031, and the null hypothesis is rejected since the *p*-value is less than the 0.05 threshold, demonstrating that improved office management quality has a significant impact on lending corporations' long-term sustainability. In the particular, the degree of correlation of the two variables has a strong positive correlation, and the *p* value of the two variables is less than the 0.05 level of significance, making the relationship significant

The findings reveal that there is significant relationship between office management quality and long-term sustainability of lending corporations. Specifically, it emphasize that lending corporations towards office management quality does significantly affect their long-term sustainability in the context of lending corporations. Vice versa, different lending corporations have direct connection to lending’s office management quality and how the lending corporations view their implementation and rules of lending corporations’ in office setting.

The result is supported by Errida and Lotfi (2021), who emphasized that office management quality, is a key determinant of organizational efficiency, which in turn impacts long-term sustainability. Furthermore, Bezpartochnyi (2024) also noted that the integration of effective management practices helps organizations build resilience, ensuring their ability to adapt and remain sustainable over time. Additionally, Harsha et al. (2023) highlighted the role of operational strategies in improving management practices, further emphasizing the connection between quality management and sustainability. Thus, the strong correlation between office management quality and sustainability is supported by the existing literature, which highlights that efficient organizational management is crucial for achieving long-term success.

On the other hand, effective risk management practices were strongly linked to long-term sustainability. With an r-value of 0.742 and a *p*-value of 0.019, the statistical analysis confirmed a significant positive correlation. The p-value is once again less than 0.05, indicating that the null hypothesis is rejected. In particular, the degree of correlation of two variables has a strong positive correlation and the *p* value of the two variables is less than the 0.05 level of significance, which makes them significant.

These results emphasize a significant relationship between risk management practices and long-term sustainability of lending corporations. Based on the results, it is emphasize that robust risk management practices are significantly for achieving long-term sustainability in lending corporations. Effective strategies to manage and mitigate risks directly enhance the corporation's ability to operate sustainably over time. Vice versa, different lending corporations’ long-term sustainability directly connects to the lending corporations’ risk management practices in an office setting.

This result is supported by the idea of Kähkönen et al. (2023), who found that organizations with robust risk management frameworks are better positioned to achieve long-term sustainability by proactively managing risks. Additionally, Lisdiono et al. (2022) stressed that risk management practices, such as identifying, assessing, and mitigating risks, play a crucial role in enhancing organizational resilience and sustainability. These results underscore the importance of integrating risk management practices into business operations to safeguard long-term success and stability. Khalid et al (2024), added that empowers top management to make informed decisions aligned with sustainability goals, optimize resource allocation, and mitigate risks. Together these insights highlight the crucial role of comprehensive risk management in promoting sustainable business practices at all organizational levels.

**Regression Analysis on the Long-Term Sustainability of Lending Corporations as Influenced by Office Management Quality and Risk Management Practices**

Regression analysis was performed to determine the significant influence of Office Management Quality and Risk Management Practices on the Long-term Sustainability of the Lending Corporations. The results in table 5 revealed that Office Management Quality and Risk Management Practices appear to be statistically significant predictor of long-term sustainability of lending corporations. (𝑝 >0.05).

**Table 5**

|  |
| --- |
| *Regression Analysis on the*  *Office Management Quality and Risk Management Practices on Long-Term Sustainability.* |
| **Independent Variable with indicators** | **Unstandardized****Coefficients** | **Standardized Coefficients** | **t-stat** | ***p-value*** | **Decision@****α = 0.05** |
| **Β** | **Standard Error** | **Beta** |
| (Constant) | .073 | 0.246 |  |  |  |  |
| Office Management Quality | 0.404 | 0.094 | 0.331 | 4.309 | 0.000 | Rejected |
| Risk Management Practices  | 0.620 | 0.090 | 0.528 | 6.875 | 0.000 | Rejected |
| ***Dependent Variable***: Long-Term Sustainability***F-ratio: 188.575 R Square***: 0.681 |

The finding shows that lending corporations' office management quality and risk management practices have a substantial impact on their long-term viability. Risk Management Practices have a greater impact than Office Management Quality, demonstrating their importance in reaching sustainability goals.

This finding is supported by the idea of Oluseyi et.al. (2023), effective office management is crucial for both productivity and environmental sustainability. By implementing high-quality office management practices, organizations can create better work environments and contribute to sustainable development. This analysis delves into the various ways in which office management quality and sustainability are interconnected. Furthermore, Abd Rashid (2024) stresses that risk management and sustainability is closely linked, and both are crucial for the long-term success of organizations. By effectively managing risks, organizations can build resilience and contribute to sustainable development.

On the other hand, the correlation between office management quality appears to be statistically significant predictors of long-term sustainability (*𝑝* >0.05).The beta value of office management quality (β=0.331 indicates that every unit increase office management quality, long-term sustainability will also increase by 0.331 units. Additionally the result of risk management practices appears to be statistically significant predictors of long-term sustainability (*𝑝* >0.05). The beta value (β = 0.528) indicates that every unit increase risk management practices, long-term sustainability will also increase by 0.528 units. Furthermore, based on the significance level, the results have rejected the study’s null hypothesis.

The result highlights a significant relationship between the office management quality and risk management practices are important factors in determining the long-term sustainability of lending corporations. However, risk management practices have a stronger impact, indicating their crucial role in sustainable operations.

Furthermore, Rehman et al. (2021) emphasize that effective office management practices improve productivity and environmental sustainability. Almgrashi and Mujalli (2024) similarly highlights the connection between risk management and sustainability, arguing that effective risk management builds organizational resilience. Addtionally, Yazo-Cabuya (2024) notes that integrating quality and risk management aligns with sustainability principles, incorporating ESG factors to enhance organizational resilience and operational excellence. These perspectives collectively underscore the importance of quality office management and robust risk management practices for the long-term sustainability of lending corporations.

 **SUMMARY, CONCLUSION AND RECOMMENDATIONS**

This chapter presents the summary of the major findings of the study, conclusion, and proposed recommendation for possible implementations.

**Summary of Findings**

The major findings of the study are the following:

1. For the level of office management quality of lending corporations, role of divisional top management and quality policy obtained the highest mean of 4.28 with a descriptive equivalent of very high and an SD of 0.50. It is followed by employee relation with a mean of 4.11, with a descriptive equivalent of high, and an SD of 0.51. This was followed by quality and data reporting with a mean of 4.03, with a descriptive equivalent of high and an SD of 0.55. Next to role of quality department with a mean of 4.00, with a descriptive equivalent of high, and an SD of 0.61. Subsequently, training got the mean of 3.99 with a descriptive equivalent of high, and an SD of 0.59. This was followed by product/service design with the mean of 3.91 with a descriptive equivalent of high, and an SD of 0.62. It is followed by, process management/operating procedures with the mean of 3.90, with a descriptive equivalent of high, and an SD of 0.44. On the other hand supplier quality management obtained the lowest mean of 3.84 with a descriptive equivalent of high, and an SD of 0.58. Furthermore, it has an overall mean of 4.01, and an SD of 0.55 with a descriptive equivalent of high.

2. For the level of risk management practices of lending corporations, risk identification obtained the highest mean of 4.45 with a descriptive equivalent of very high and an SD of 0.58. This is followed by risk mitigation with a mean of 4.13 with a descriptive of high and an SD of 0.56. Next to risk measurement with a mean of 4.09 with a descriptive equivalent of high and an SD of 0.57. Subsequently, risk reporting and monitoring got the mean of 4.01 with a descriptive equivalent of high and an SD of 0.53. On the other hand, risk governance obtained the lowest mean of 3.96 with a descriptive equivalent of high and an SD of 0.56. Furthermore, it has an overall mean of 4.13, and SD of 0.55, with a descriptive of high.

3. For the level of Long-term Sustainability of Lending Corporations, socials goals obtained the highest mean of 4.58 with a descriptive equivalent of very high and an SD of 0.50. On the other hand, environmental goals got the mean of 3.86 with a descriptive equivalent of high and an SD of 0.57. Furthermore, it has an overall mean of 4.22, and SD of 0.54, with a descriptive of very high.

4. Office Management Quality has a significant relationship with the long-term sustainability of lending corporations (r=0.704 *p*=0.031). In particular, the degree of correlation of two variables has high positive correlation, and the p value of two variables is less than the 0.05 level of significance, which made them significant. This indicates that there is significant relationship between office management quality and long-term sustainability of the lending corporations. Therefore, the null hypothesis is rejected. On the other hand, risk management practices has also a significant relationship with lending corporations’ long-term sustainability (r=0.742, *p*=0.019). In particular, the degree of correlation of two variables has a high positive correlation, and the p-value of the two variables is less than the 0.05 level of significance, which made them significant. This indicates that there is a significant relationship between risk management practices and the long-term sustainability of lending corporations. Therefore, the null hypothesis is rejected.

5. Office management quality has a significant influence on long-term sustainability (β = 0.031, *p* < 0.000). On the other hand, the result revealed that a risk management practice has an also significant influence on long-term sustainability (β = 0.528, *p* < 0.000). Furthermore, based on the level of significance, the results of both variables concluded a rejection of null hypothesis.

**Conclusion**

The findings the study led the researcher to draw the following conclusions:

1. **Lending Corporation’s Office Management Quality was high.** The result of this study showed that office management quality **had** a great impact and influence on the long-term sustainability of lending corporations. It **was** one of the most important factors that **resulted** in higher levels of long-term sustainability. The results of the analysis showed that the employees in lending corporations **knew** how to deal and **had** a skill in terms of role of divisional top management and quality policy, role of quality department, training, product/service design, supplier quality management, process management/operating procedures, quality data and reporting and employee relations. With regard to the eight factors, office management quality of lending corporations **had** a positive impact on their productivity. Furthermore, role of divisional top management and quality policy **got** the highest mean among the eight indicators which **indicated** that employees of the lending corporations **had** strong knowledge and skills about role of divisional and top management and quality policy. On the other hand, supplier quality management (Supplier of Goods and/or Services) **got** the lowest mean, with descriptive of high. Although this indicator **got** the lowest mean, still it **indicated** that employees in lending corporations **had** the necessary skills and strong knowledge about utilizing their task in supplier quality management.

2. **Risk Management Practices of Lending Corporations were high,** indicating a risk identification, risk measurement and assessment, risk mitigation, risk reporting and monitoring and risk governance. The result of this study showed that risk management practices **were** one of the factors that **were influenced** by long-term sustainability. Moreover, risk identification **got** the highest mean among five indicators which **indicated** that employees of lending corporations **showcased** their high risk management practices and they **effectively contributed** to the success of the lending corporations. However, risk governance **got** the lowest mean with a descriptive equivalent of high. Although this indicator **got** the lowest mean, still it **indicated** that the employees of lending corporations **demonstrated** a high risk management practices and **contributed** effectively to their role in the lending corporations.

3. **Long-term Sustainability of the Lending Corporations was very high.** The result of the analysis showed that employees in lending corporations **knew** to deal and **had** the skills in terms of social goals and environmental goals. Furthermore, social goals **got** the highest mean among one indicator which **indicated** that employees of lending corporations **had** strong knowledge and skills about to manage social goals. On the other hand, environmental **got** the lowest mean with descriptive equivalent of high. Although this indicator **got** the lowest mean, still it **indicated** that employees of lending corporations **had** the necessary skills and strong knowledge about operating an environmental in utilizing their task.

4.There was a significant relationship between Office Management Quality and Risk Management Practices of the Lending Corporations. Thus, office management quality of the lending corporations contributed to their long-term sustainability in the workplace. Based on the result of the study, the relationship of the office management quality and long-term sustainability of lending corporations was found significant. In fact, the relationship between office management quality and long-term sustainability was supported by the Triple Bottom Line (TBL) Theory by Elkington (1994) that emphasizes the importance of people, planet, and profit. Quality management systems that incorporate TBL aim to achieve sustainable results by considering social and environmental factors alongside financial performance, this approach ensured long-term sustainability by striking a balance between economic growth, social responsibility, and environmental protection. Furthermore, the significant relationship between office management quality and long-term sustainability was asserted by information, based on the study of Purnama (2024) stating that the TBL theory emphasizes the importance of people, planet, and profit by including TBL in quality management; businesses strive for sustainability by considering not only financial success but also their social and environmental impact. This promoted long-term sustainability, as companies’ balanced economic growth with social and ecological responsibility.

On the other hand, there was a significant relationship between Risk Management Practices and Long-term sustainability of Lending Corporations. Thus, risk management practices of lending corporations were found significant. In fact, the relationship between risk management practices and long-term sustainability was supported by the theory of the theory of General System by Bertalanffy (1901–1972) stated that the general systems theory sees an organization as a group of connected parts, where changes in one part can affect the whole organization, in risk management, this meant that it is important to consider how different risks interact and affect the entire organization. Managing risks from a systems perspective helped to ensure that risks were reduced throughout the organization, which promoted sustainability and overall stability. Specifically, based on the study of Belle et al. (2024) stated that the General System Theory offers a helpful way to think about risk management for long-term sustainability, it saw organizations as parts of a bigger system that includes people and the environment. This theory highlighted how risks are connected and how organizations need to be flexible to deal with them.

5. Office Management Quality and Risk Management Practices significantly influenced Long-term Sustainability of Lending Corporations. This study established a significant correlation between Office Management Quality (OMQ) and Risk Management Practices (RMP) and the long-term sustainability of lending corporations. While both factors were demonstrably crucial for organizational stability and viability within this sector, their respective contributions to sustainability differed in magnitude.

Office Management Quality contributed positively to sustainability by enhancing operational efficiency, optimizing internal processes, and fostering a work environment conducive to sustainable development goals. This finding corroborated the research of Dana et al. (2020), who posited that effective Office Management Quality positively impacts both productivity and environmental sustainability, thereby contributing to long-term organizational success.

However, Risk Management Practices demonstrated a comparatively greater impact on long-term sustainability. Through the systematic identification, assessment, and mitigation of potential risks, lending corporations could minimize vulnerabilities, enhance organizational resilience, and adapt more effectively to dynamic market conditions. This observation aligned with the work of Wahyuni, R. et al (2024) who emphasized the critical link between robust Risk Management Practices and organizational resilience, a key determinant of long-term sustainability. Furthermore, the findings were consistent with those of Settembre-Blundo et al. (2021), who highlighted the role of Risk Management Practices in promoting operational stability and ensuring sustainable performance.

These results, contextualized within the broader literature on organizational sustainability (Drinke, (2021); Schulte and Knuts (2022), underscored the imperative for lending corporations to prioritize both Office Management Quality and Risk Management Practices. Organizations that effectively integrated these strategic elements were better positioned to achieve operational excellence and secure long-term sustainability within an increasingly complex and competitive financial landscape.

**Recommendations**

 Based on the findings, analysis, and conclusion drawn in this study, the following recommendations were summarized:

1. Lending corporations are encouraged to focus on enhancing office management quality, particularly in areas such as process automation, supplier rating systems, and the thoroughness of product/service design reviews before production and marketing. Strengthening these areas can boost operational efficiency and align better with organizational goals. This strategy streamlines processes, reduces risks, and ensures higher-quality outcomes, leading to improved performance. Developing a comprehensive strategy, conducting regular assessments, and providing targeted training can support these enhancements.

2. To enhance risk management practices, lending corporations may prioritized validating risk assessments by evaluating the likelihood and impact of lending risks. This used statistical tools to assess these risks, and utilized systems and tools to support and enhance the risk management process. This method was vital for identifying, measuring, and managing potential risks, which is key to ensuring operational efficiency and sustainability. For effective implementation, lending corporations may invested in advanced risk management systems and provided regular training for staff to maximize these tools. Additionally, embedding these practices within the organizational structure will created a cohesive and systematic approach to risk mitigation.

3. In promoting long-term sustainability, lending corporations needed to incorporate environmental and social objectives into their operational frameworks. They may have focused on initiatives that promote environmental conservation, including investments in sustainable practices and technologies to reduce their ecological footprint. At the same time, it is essential to address social responsibilities by implementing policies that safeguarded the rights of employees and stakeholders, ensuring fair treatment and ethical conduct.

4. Future researchers can used this study for their further research as their foundation on conducting studies related to office quality management and risk management practices, focusing on a larger group of subjects to find out if the same findings are established, as this study was only conducted in Barangay Tibal-og, Santo Tomas, Davao del Norte.

**References**

Abdulla, H., & Elshandidy, T. ( 2023). Do governance factors affect

the effectiveness of risk management disclosure in UAE banks?Cogent Business & Management, 10(2), Article 2238394. https://doi.org/10.1080/23311975.2023.2238394

Abdul-Azeez, O., Ihechere, A. O., & Idemudia, C. (2024). Enhancing

business performance: The role of data-driven analytics in strategic decision-making. International Journal of Management & Entrepreneurship Research, 6(7), 2066–2081. https://doi.org/10.51594/ijmer.v6i7.1257

Abd Rashid, I. M., Abd Razak, N., Shafiai, S., Zaini, M. R., & Esquivias, M.A. (2024). Risk management towards performance of

agropreneur firm: The case of sustainable environmental in Malaysia. Asian Journal of Agriculture and Rural Development, 14(3), 102-107. DOI: 10.55493/5005.v14i3.5176

Adama, H. E., Popoola, O. A., Okeke, C. D., & Akinoso, A. E. (2024).

Theoretical frameworks supporting IT and business strategy alignment for sustained competitive advantage. International Journal of Management & Entrepreneurship Research, 6(4), 1273-1287. https://doi.org/10.51594/ijmer.v6i4.1058

Adeniran, I. A., Abhulimen, A. O.,Obiki-Osafiele, A. N.,Osundare, O.S.,

Agu, E. E., & Efunniyi, C. P. (2024). Strategic risk management in financial institutions: Ensuring robust regulatory compliance. *Finance & Accounting Research Journal*, *6*(8), 1582-1596. https://doi.org/10.51594/farj.v6i8.1508

Aguilera R, V., Argon-Correa, J.,A,. Tashman, A, P.(2021). The

Corporate Governance of Environmental Sustainability: A Review and Proposal for More Integrated Research. https://doi.org/10.1177/0149206321991212

Agu, E. E., Nwabekee, U. S., Ijomah, T. I., & AbdulAzeez, O. Y. (2024).

The role of strategic business leadership in driving product marketing success: Insights from emerging markets. International Journal of Frontline Research in Science and Technology, 03(02), 001–018. https://doi.org/10.56355/ijfrst.2024.3.2.0044

Albalushi, J., Mishra, R., & Abebe, M. (2023, December). Supply

Chain resilience meets quality management. International Journal of Professional Business Review, 8(12), e04165. https://doi.org/10.26668/businessreview/2023.v8i12.4165

Alfes, K.,Avgoustaki, A.,Beauregard, T. A.,Cañibano, A.,&Murakbekova-

Touron, M. (2023). New ways of working and the implications for employees: A systematic framework and suggestions for future research. The International Journal of Human Resource Management, 33(22), 4361-4385. https://doi.org/10.1080/09585192.2022.2149151

Afridah, & Lubis, M. (2024). The role of communication and

Employee engagement in promoting inclusion in the workplace: A case study in the creative industry. Fijc, 1(1), 1-15. https://doi.org/10.62569/fijc.v1i1.8

Alduais, F., Raoush, A., Samara, A., & Sartawi, K. (2023). The impact

of information sharing on the quality of decision-making: From the point of view of employees in Jordanian private hospitals. Cogent Business & Management, 10(1), 2195028. https://doi.org/10.1080/23311975.2023.2195028

Alshurideh, M. T., Al Kurdi, B., Alzoubi, H. M., Akour, I.,v Obeidat, Z.

M., & Hamadneh, S. (2023). Factors affecting employee social relations and happiness: SM-PLUS approach. Journal of Open Innovation: Technology, Market, and Complexity, 9(2), 100033. https://doi.org/10.1016/j.joitmc.2023.100033

Alshuqairat, E. A., Barqawi, B. Y. A., Khalaylah, Z. A. K., Alshura, M.

S. K., Al-mzary, M. M., Alshurideh, M. T., ... & Odeibat, A. A. H. (2023). The effect of total quality management on the organizational reputation: the moderating role of quality standards in Jordanian public universities. In *The effect of information technology on business and marketing intelligence systems* (pp. 1147-1163). Cham: Spriner International Publishing.

Almgrashi, A., & Mujalli, A. (2024). The influence of sustainable risk

management on the implementation of risk-based internal auditing. Sustainability, 16(19), Article 8455. https://doi.org/10.3390/su16198455

Anton, S., G., Nuco, A., E, A., (2020). Enterprise Risk Management: A

Literature Review and Agenda for Future Research.https://doi.org/10.3390/jrfm13110281

Arulsamy, A. S., Singh, I., Kumar, M. S., Panchal, J. J., & Bajaj, K. K.

(2023). Employee training and development enhancing employee performance–A study. Samdarshi, 16(3), 1-11. ISSN: 2581-3986 Vol 16

Aven, T., & Renn, O. (2020). Some foundational issues related to risk

governance and different types of risks. *Journal of Risk Research*, *23*(9), 1121-1134. https://doi.org/10.1080/13669877.2019.1569099

Baba, S., Mohammad, S., & Young, C. (2021). Managing project sustainability in the extractive industries: Towards a reciprocity framework for community engagement. International Journal of Project Management, 39(8), 887-901. https://doi.org/10.1016/j.ijproman.2021.09.002

Bhandari, P. (2023, June 22). Correlational Research| When & How to

Use. Scribbr. Retrieved January 6, 2025, from https://www.scribbr.com/methodology/correlational-research/

Belle, J. A., Velásquez, C., Oxley, M., & Getiashvili, K. (2024).

Understanding and Integrating Systemic Risk (SR) into Disaster Risk Reduction (DRR) and Risk Informed Development (RID) for Long-Term Resilient Development. DOI: 10.5772/intechopen.1004915

Bezpartochnyi, M. (2024). Resilience, management,sustainability, and

interdisciplinarity, pillars in business. https://doi.org/10.5281/zenodo.13825520

Broccardo, L., Vola, P., Zicari, A., & Alshibani, S. M. (2023).

Contingency-based analysis of the drivers and obstacles to a successful sustainable business model: Seeking the uncaptured value. *Technological Forecasting and Social Change*, *191*, 122513. DOI: 10.1016/j.techfore.2023.122513

Bulgachev, R., & Kelso, G. (2024, September). Operationalizing Risk

Management. In *SPE International Conference and Exhibition on Health, Safety, Environment, and Sustainability?* (p. D021S011R002). SPE. https://doi.org/10.2118/220335-MS

Canavesi,A., & Minelli, E. (2021).Servant leadership and employee

engagement: A qualitative study. Employee Responsibilities and Rights Journal, 34(4), 413–435. https://doi.org/10.1007/s10672-021-09389-9

Chauhan, C., Kaur, P., Arrawatia, R., Ractham, P., & Dhir, A. (2022).

Supply chain collaboration and sustainable development goals (SDGs). Teamwork makes achieving SDGs dream work. Journal of Business Research, 147, 290-307. https://doi.org/10.1016/j.jbusres.2022.03.044

Chauhan, J., Subedi, S., Thakulla, A., & Khanal, S. R. (2023).

PROJECT QUALITY MANAGEMENT. In *Conference: Survey Project Management* (Vol. 2, No. 5).

Cakmak, Z. (2023). Adapting to environmental change:The importance

of organizational agility in the business landscape. Florya Chronicles of Political Economy, 9(1), 42-53. https://doi.org/10.17932/IAU.FCPE.2015.010/fcpe\_v09i1004

Carreno, A. M.(2024). Strategic alignment in program management: A

framework for sustainable business transformation. https://doi.org/10.5281/zenodo.13922003

Chitta, S. (2023).The impact of financial risk management on firm

performance: a study in financial management practices. http://dx.doi.org/10.7769/gesec.v14i10.2736

Chungyas, J. I., & Trinidad, F. L. (2022). Strategic management

practices and business performance of cooperatives in Ifugao, Philippines: Basis for strategic planning model. International Journal of Management & Entrepreneurship Research, 4(2), 84- 104. https://doi.org/10.51594/ijmer.v4i2.293

Cruz, E. D., & Sabado, J . R. F. (2022). Credit risk and performance

evaluation of cooperatives in Region XI using data envelopment analyses (DEA). European Journal of Economic and Financial Research, 6(1), 101. https://doi.org/10.46827/ejefr.v6i1.1268

Cvjetkovic, M., Vasiljević, M., Cvjetković, M., & Josimović, M. (2021).

Impact of quality on improvement of business performance and customer satisfaction. Journal of Engineering Management and Competitiveness, 11(1), 20-28. https://doi.org/10.5937/jemc2101020C

Dana, L.-P., Rounaghi, M. M., & Enayati, G. (2020). Increasing

productivity and sustainability of corporate performance by using management control systems and intellectual capital accounting approach. Green Finance, 3(1), 1–14. http://doi.org/10.3934/GF.2021001

DiPrete, T. A., & Fox-Williams, B. N. (2021). The relevance of

inequality research in sociology for inequality reduction. Socius: Sociological Research for a Dynamic World, 7, 1–30. https://doi.org/10.1177/23780231211020199

Domingo, E., González-Torre, P., & Vidal-Suárez, M. M. (2024).

Sustainable development goals and corporate strategy: A map of the field. Corporate Social Responsibility and Environmental Management, 31(9). https://doi.org/10.1002/csr.2717

Drinke, Z. (2021). Impact of adopted quality management on

business model in globalized economy. SHS Web of Conferences, 92, 02013. https://doi.org/10.1051/shsconf/20219202013

Errida, A.,&Lotfi, B. (2021).The determinants of organizational change

management success: Literature review and case study. SAGE Open, 11(2), 21582440211016273. https://doi.org/10.1177/18479790211016273

Gama, M. D. S. B., & Bonamigo, A. ( 2024). Sustainable lean

manufacturing as long-term strategy: performance framework development and prioritization. Journal of Strategy and Management, 17(2), 205-221. https://www.emerald.com/insight/content/doi/10.1108/JSMA-05-2023-0104/full/html

García-Fernández,M.,Claver-Cortés,E.,&Tarí,J.J.(2022). Relationships

between quality management, innovation and performance: A literature systematic review. European Research on Management and Business Economics, 28(1), 100172. https://doi.org/10.1016/j.iedeen.2021.100172

Garrido-Moreno, A., Martín-Rojas, R., & García-Morales, V. J. (2024).

The key role of innovation and organizational resilience in improving business performance: A mixed-methods approach. International Journal of Information Management, 77, 102777. https://doi.org/10.1016/j.ijinfomgt.2024.102777

Garrick,A.,Johnson,D.,&Arendt,S.(2024). Breaking barriers: Strategies

for fostering inclusivity in the workplace. International Journal of Academic Research in Business and Social Sciences, 14(2). https://doi.org/10.6007/IJARBSS/v14-i2/20799

Gherghina, S, C, (2023).Corporate Finance, Governance, and Social

Responsibility. https://doi.org/10.3390/jrfm16060297

Giri, O. P. (2019). Study on the role of project manager in improving

the project performance. Technical Journal, 1(1), 133–139. https://doi.org/10.3126/tj.v1i1.27711

Ghonim, M. A., Khashaba, N. M., Al-Najaar, H. M., & Khashan, M. A.

(2020).Strategic alignment and its impact on decision effectiveness: A comprehensive model. International Journal of Emerging Markets, ahead-of-print. https://doi.org/10.1108/IJOEM-04-2020-0364

Glette-Iversen, I., Flage, R.,& Aven,T.(2023). Extending and improving

current frameworks for risk management and decision-making: A new approach for incorporating dynamic aspects of risk and uncertainty. Safety Science, 168, Article 106317. https://doi.org/10.1016/j.ssci.2023.106317

Georgescu, I., Bocean, C. G., Vărzaru, A. A., Rotea, C. C., Mangra, M.

G., & Mangra, G. I. (2024). Enhancing organizational resilience: The transformative influence of strategic human resource management practices and organizational culture. Sustainability, 16(10), 4315. https://doi.org/10.3390/su16104315

Golder, P. N., Mitra, D., & Moorman, C. (2019). What is quality? An

integrative framework of processes and states. *Journal of marketing*, *76*(4), 1-23. https://doi.org/10.1509/jm.09.0416

Guluma, T. F. (2021).The impact of corporate governance measures on

Firm performance: the influences of managerial overconfidence. *Future Business Journal*, *7*(1), 50.https://doi.org/10.3390/jrfm16060297

Hansford,H.J.,Wewege,M.A., Cashin, A. G.,Hagstrom, A.D., Clifford, B.

K., McAuley, J. H., & Jones, M. D. (2022). If exercise is medicine, why don’t we know the dose? An overview of systematic reviews assessing reporting quality of exercise interventions in health and disease. *British journal of sports medicine*, *56*(12), 692-700. https://doi.org/10.1136/bjsports-2021-104977

Hasibuan, A., Nasution, S. P., Triyoolanda, A.,& Rahman, I. (2023).

Community and Stakeholder Participation in the Implementation of Corporate Social Responsibility Programs, Its Impact on Rural Communities. *Journal of Industrial Engineering and Management*, *1*(1), 12-20. https://doi.org/10.52088/jaiem.v1i1.4

Hermundsdottir, F.,& Aspelund, A. (2022). Competitive sustainable

manufacturing - Sustainability strategies, environmental and social innovations, and their effects on firm performance. Journal of Cleaner Production, 370, 133474. https://doi.org/10.1016/j.jclepro.2022.133474

Harsha,G.(2023). A comprehensive study on quality management and

sustainability in the field of packaging. https://doi.org/10.13140/RG.2.2.28196.04484

Huang, Z., Gao, N., & Jia,M.(2023). Green credit and its obstacles:

Evidence from China's green credit guidelines. Journal of Corporate Finance, 82, 102441. https://doi.org/10.1016/j.jcorpfin.2023.102441

Idris, H. (2024). Exploring Financial Risk Management: A Qualitative

Study on Risk Identification, Evaluation, and Mitigation in Banking, Insurance, and Corporate Finance. *Golden Ratio of Finance Management*, *4*(2), 213-225. https://doi.org/10.33096/jmb.v11i2.903

Igbinenikaro,O.P.,Adekoya,O.O., & Etukudoh, E. A. (2024). Fostering

cross-disciplinary collaboration in offshore projects: Strategies and best practices. International Journal of Management & Entrepreneurship Research, 6(4), 1176-1189. https://doi.org/10.46799/ijmer.v6i4.1176

Ismail,M.N.,.Kallow,S.M.,Kamal,K.H.,Al-Bayati,H.,N.,Butsenko,A.Y.,

(2024). Quantitative Approaches in Decision Theory for Enhancing Risk Assessment Strategies. https://doi.org/10.62754/joe.v3i5.3908

Jadraque,A.E.,& Moyon, C.P.S. (2024). Navigating financial tide: A

multi-case analysis on payment default management of Davao Region’s microfinance institutions. TWIST, 19(1), 388-399. https://doi.org/10.5281/zenodo.10049652#105

Jiménez,A.,Arrieta,Y.,Nuñez,M. A.,Villanueva E.,(2024).Managemnt of

Strategic Risks for the Sustainability of SMEs in the Manufacturing Sector in Antioquia. https://doi.org/10.3390/su16052094

Jhonson,M,P.,Rotzel, T,S., Frank, B.(2023). Beyond conventional

corporate responses to climate change towards deep decarbonization: a systematic literature review. http://dx.doi.org/10.1007/s11301-023-00318-8

Jonsdottir,B.,Sigurjonsson,T.O.,Johannsdottir, L., & Wendt, S. (2022).

Barriers to using ESG data for investment decisions. Sustainability, 14(9), 5157. https://doi.org/10.3390/su14095157

Jumawan,A. R. (2022). Issues and challenges among cooperatives in

Zamboanga del Norte in pursuit of survival and sustainability during the COVID-19 pandemic. International Journal of Scientific Research and Management (IJSRM, 10(12), 4274-4286. https://doi.org/10.18535/ijsrm/v10i12.em01

Karim,M.R.(2021).Implementation of Total Quality Management In

Education. *International Journal of Scientific and Research Publications*, *11*(2), 260. DOI: 10.29322/IJSRP.11.02.2021.p11031

Kähkönen, A.-K.,Marttinen,K., Kontio, A., & Lintukangas, K. (2023).

Practices and strategies for sustainability-related risk management in multi-tier supply chains. Journal of Purchasing and Supply Management, 29(3), 100848. https://doi.org/10.1016/j.pursup.2023.100848

Khalid,J.,Chuanmin, M.,Altaf, F.,Shafqat,M,M.,Khan, S.M., Ahsraf, M,

U.(2024). AI-Driven Risk Management and Sustainable Decision-Making: Role of Perceived Environmental Responsibility. https://doi.org/10.3390/su16166799

Ketprapakorn,N.,&Kantabutra,S.(2022). Toward an organizational

theory of sustainability culture. Sustainable Production and Consumption, 32, 638–654. https://doi.org/10.1016/j.spc.2022.05.020

Kissflow,(2024).Everything You Know About Process Management.

Kissflow https://kissflow.com/workflow/bpm/what-is-process-management/

McCombes,S.(2019).Descriptive research | Definition, types, methods

& examples. Scribbr. https://www.scribbr.com/methodology/descriptive-research

Lawinsider, (2024). Environmental Goals definition. Law Insider

https://www.lawinsider.com/clause/environmental-goal-defined

Lisdiono,P.,Said,J.,Yusoff,H., & Hermawan, A. A. (2022). Examining

leadership capabilities, risk management practices, and organizational resilience: The case of state-owned enterprises in Indonesia. Sustainability, 14(10), 6268. https://doi.org/10.3390/su14106268

López-Cabarcos, M.Á., Vázquez-Rodríguez, P., & Quiñoá-Piñeiro, L. M.

(2022). An approach to employees’ job performance through work environmental variables and leadership behaviours. Journal of Business Research, 140, 361-369. https://doi.org/10.1016/j.jbusres.2021.11.006

Liu,W.(2024). Leveraging probability and statistical algorithms for

enhanced financial risk management. *Theoretical and Natural Science*, *38*, 32-38. https://doi.org/10.54254/2753-8818/38/20240553

Majumdar, A., Sinha, S. K., & Govindan, K.(2021). Prioritising risk

mitigation strategies for environmentally sustainable clothing supply chains: Insights from selected organisational theories. *Sustainable production and consumption*, *28*, 543-555. https://doi.org/10.1016/j.spc.2021.06.021

Malacora,N.J., Galvez,K.J., & Bulayog, E.(2023). Analysis of the

financial sustainability and outreach performance of selected credit cooperatives in Leyte, Philippines. TWIST, 19(1), 388-399. https://doi.org/10.5281/zenodo.10049652

Martins, S., Pereira,S.,Dinis,L.T.,&Brito,C.(2024). Enhancing Olive

Cultivation Resilience: Sustainable Long-Term and Short-Term Adaptation Strategies to Alleviate Climate Change Impacts. *Horticulturae*, *10*(10), 1066. https://doi.org/10.3390/horticulturae10101066

Martinez-Avila, C.,&Olander,S.(2024).Stakeholder participation in the

implementation of urban property development projects. *Construction Management and Economics*, 1-16. https://doi.org/10.1080/01446193.2024.2361789

Martinez, M. N., & Bartholomew, M. (2017). What does it “mean”? A

review of interpreting and calculating different types of means and standard deviations. Pharmaceutics, 9(2). https://doi.org/10.3390/pharmaceutics9020014

McKay,A.,Rice,H.P.,Chau,H.H.,&de Pennington, A. (2021). Maintaining

consistency across design descriptions in engineering product development. Proceedings of the Design Society, 1, 1987-1996. https://doi.org/10.1017/pds.2021.460

Musaigwa,M.(2023). The role of leadership in managing

change.International Review of Management and Marketing, 13(6), 1–9. https://doi.org/10.32479/irmm.13526

Mumpower et al. (2022). Risk Governance and Society. Springer

https://www.springer.com/series/6643

Nuhić-Mešković,M.,& Meskovic, A. (2023). Risk management

structure, and process – Theoretical insights and empirical evidence. International Business Research, 16(10), 10. https://doi.org/10.5539/ibr.v16n10p10

Oluseyi,T.,Soyingbe,A.,Adelopo,A., & Abdulkareem, A. (2023). Office

sustainability assessment for endearing resilience in an academic environment. Journal of Sustainable Practices, 4(2), 57–71. https://doi.org/10.52968/28467620

Osorio-Gómez,J.C.,Manotas-Duque,D.F.,&García-Alcaraz,J. L. (2019).

Operational risk identification in ground transportation activities: Ontology—Approach. In Current trends in semantic web technologies: Theory and practice (pp. 101–119). Studies in Computational Intelligence, vol. 815. https://doi.org/10.1007/978-3-030-06149-4\_5

Pansy, (2024). SPRINTO. Risk Monitoring: From Reactive To

 Proactive https://sprinto.com/blog/risk-monitoring/

Purvis,B.,Mao,Y.,& Robinson, D. (2019). Three pillars of sustainability:

In search of conceptual origins. Sustainability Science, 14(4), 681–695. https://doi.org/10.1007/s11625-018-0627-5

Piwowar-Sulej,K.,&Iqbal,Q.(2023).Leadership styles and sustainable

performance: A systematic literature review. Journal of Cleaner Production, 382, 134600. https://doi.org/10.1016/j.jclepro.2022.134600

Purnama,Y.I.(2024). Implementation of the triple bottom line concept

to improve sustainable marketing performance. Journal of Economics, Business, and Leadership, 4(2). https://doi.org/10.55942/jebl.v4i2.284

Raman,A.M.(2023).Project management. San International Scientific

Publications. https://doi.org/10.59646/promgmt/051

Rane,N.,Achari,A.,&Choudhary,S.P.(2023).Enhancingcustomer loyalty

through quality of service: Effective strategies to improve customer satisfaction, experience, relationship, and engagement. International Research Journal of Modern Engineering, Technology, and Science, 10.56726/IRJMETS38104.https://doi.org/10.56726/IRJMETS38104

Rehman,S.U.,Bhatti, A., Kraus, S., & Ferreira, J. J. (2021). The role

of environmental management control systems for ecological sustainability and sustainable performance. *Management Decision*, *59*(9), 2217-2237. http://dx.doi.org/10.1108/MD-06-2020-0800

Romão,S., Ribeiro,N., Gomes, D. R.,& Singh, S. (2022). The impact of

leaders’ coaching skills on employees’ happiness and turnover intention. Adm. Sci., 12(3), 84. https://doi.org/10.3390/admsci12030084

Salwin,M.,Nehring,K.,Jacyna-Gołda,I.,&Kraslawski,A. (2022). Product-

service system design: An example of the logistics industry. Archives of Transport, 63(3), 159–180. https://doi.org/10.5604/01.3001.0016.0820

Salah,A.,Çağlar,D.,&Zoubi, K. (2023). The impact of production and

operations management practices in improving organizational performance: The mediating role of supply chain integration. Sustainability, 15(20), 15140. https://doi.org/10.3390/su152015140

Saputra, O., Hidayatulloh, F.S., & Ekananta, A. (2024). Training,

motivation, eadership, and competency effects on employee performance with job satisfaction as a mediating variable. International Journal of Social Service and Research, 4(10). https://doi.org/10.46799/ijssr.v4i10.988

Şengöz,M.(2024).Exploring chaos theory's role in management and

sustainability. In Outsourcing management for supply chain operations and logistics service (pp. 78–97). IGI Global. https://doi.org/10.4018/979-8-3693-2125-6.ch005

Sileyew,K.J.(2019).Research design and methodology. IntechOpen.

 https://doi.org/10.5772/intechopen.85731

Singh,I.,Kumar,S.,Panchal,J.J.,&Samdarshi.(2023). Employee training

and development: Enhancing employee performance – A study. Vol 16 Issue 3. https://www.researchgate.net/publication/373775939

Schulte, J., & Knuts, S. (2022). Sustainability impact and effects

analysis: A risk management tool for sustainable product development. Consumption, 30, 737–751. https://doi.org/10.1016/j.spc.2022.01.004

Scott,A., Amajuoyi,P., & Adeusi, K. B. (2024). Effective credit risk

mitigation strategies: Solutions for reducing exposure in financial institutions. Magna Scientia Advanced Research and Reviews, 12(1), 198-211. https://doi.org/10.30574/msarr.2024.11.1.0084

Shuler, (2022). QUANDARY CONSULTING GROUP. 11 Supplier

Management Best Practices For Lasting Success https://quandarycg.com/supplier-management-best-practices/

Settembre-Blundo, D., González-Sánchez, R., Medina-Salgado, S. et

al. Flexibility and Resilience in Corporate Decision Making: A New Sustainability-Based Risk Management System in Uncertain Times. Glob J Flex Syst Manag 22 (Suppl 2), 107–132 (2021). https://doi.org/10.1007/s40171-021-00277-7

Suman,A.(2021). Role of renewable energy technologies in climate

change adaptation and mitigation: A brief review from Nepal. Renewable and Sustainable Energy Reviews, 151, 111524. https://doi.org/10.1016/j.rser.2021.111524

Taherdoost,H.(2021). Data collection methods and tools for research:

A step-by-step guide to choose data collection technique for academic and business research projects. International Journal of Academic Research in Management (IJARM), 10(1), 10–38. https://hal.science/hal-03741847v1

Thomas,L.(2023).Simple Random Sampling|Definition, Steps &

 Examples. Scribbr

https://www.scribbr.com/methodology/simple-random-sampling/

Taylor,J. V. (2024). Online technologies for engage learning: A

Meaningful synthesis for educators. The Quarterly Review of Distance Education, 12(2), 113- 124.

Turney, S. (2024). Pearson Correlation Coefficient (r) | Guide &

 Examples Scribbr

https://www.scribbr.com/statistics/pearson-correlation-coefficient/

Valentinov, V. (2023). Sustainability and stakeholder theory: a

processual perspective. Kybernetes, 52(13), 61-77. https://www.emerald.com/insight/content/doi/10.1108/K-05-2023-0819/full/html

Wahyuni, R. et al (2024). Sustainability Based Financial Risk

Management Strategies for Long Term Resilience: A Systematic Review. Indo-Fintech Intellectuals: Journal of Economics and Business, 4 (5), 2625-2639. 10.54373/ifijeb.v4i5.2154

Walker,J.,Pekmezovic,A.,&Walker,G. (2019). Sustainable development

goals: Harnessing business to achieve the SDGs through finance, technology and law reform. John Wiley & Sons https://doi.org/10.1002/9781119565480

Wetzer,T.,Stuart-Smith,R.,&Dibley,A.(2024). Climate risk assessments

must engage with the law: Legal actions determine the allocation and magnitude of climate-related financial risk exposures. Science, 383(6679), 152-154. https://doi.org/10.1126/science.adj0598

Wang,M.W.C.,Tan,C.L., & Wahid, N. A. (2020). Supplier management

practice and service quality: Critical review on mediating role of outsourcing service provider capabilities. International Journal of Industrial Management, 7, 9-15. https://doi.org/10.15282/ijim.7.0.2020.5750

Wu,P.,Yang,L.,Li, W.,Huang,J.,&Xu,Y. (2023). Construction safety risk

assessment and early warning of nearshore tunnel based on BIM technology. Journal of Marine Science and Engineering, 11(10), 1996. https://doi.org/10.3390/jmse11101996

Yazo-Cabuya,E.J.,Ibeas,A.,&Herrera-Cuartas,J.A.(2024). Integrating

sustainability into risk management through analytical network process. Sustainability, 16(6), 2384. https://doi.org/10.3390/su16062384

Yimam,M.H.(2022).Impact of training on employees performance: A case study of Bahir Dar university, Ethiopia. Cogent Education,

9(1), 2107301DOI:10.1080/2331186X.2022.2107301

Zainuddin,S.A.,Abdullah,B.,Nasir, N. A. M., Abdullah, T., Nawi, N. C.,

Patwary, A. K., & Nik Hashim, N. A. A. (2023). Sustainable risk management practice in the organization: A Malaysian case study. Environmental Science and Pollution Research International, 30(9), 24708–24717. https://doi.org/10.1007/s11356-022-23897-7

Zhao,Y.,Du,H.,Li,Q.,ZhuangF.,Liu,J., Kou, G. A.(2022).Comprehensive

Survey on Enterprise Financial Risk Analysis from Big Data Perspective. https://doi.org/10.48550/arXiv.2211.1499

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