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Original Research Article

THE IMPACT OF SUSTAINABILITY REPORTING ON FAIR VALUE MEASUREMENT: EVIDENCE FROM LISTED COMPANIES IN GHANA

Dennis Kwesi Botwe[1*], Vida Awatey[1], Freda Nunana Nukunu[1], Salifu Anane[1], Jeffery Agyemany Atikese[1], Dr. David Owusu Korankye[2]

[1] Department of Accounting, All Nations University, Koforidua, Ghana.
[2] Department of Accounting and Finance, All Nations University, Koforidua, Ghana.

Correspondence should be addressed to Dennis Kwesi Botwe: joyone43@gmail.com

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Abstract: The growing call for corporate transparency, accountability, and sustainable business practices is reshaping how organizations report their activities around the globe. Sustainability reporting has become a key way for companies to share their environmental, social, and governance (ESG) performance with stakeholders. At the same time, fair value measurement has taken center stage in financial reporting under International Financial Reporting Standards (IFRS), offering crucial and timely insights into the value of assets and liabilities. While both sustainability reporting and fair value measurement have garnered significant academic interest on their own, there's still a lack of empirical evidence exploring how these two areas intersect, especially in emerging markets like Ghana. This study aims to delve into how sustainability reporting impacts fair value measurement among companies listed on the Ghana Stock Exchange. It specifically looks at how environmental, social, and governance disclosures affect fair value measurement and reporting practices. Using an explanatory research design, the study will analyze secondary data from annual reports, sustainability reports, and integrated reports of listed companies from 2019 to 2025. The data will be examined through descriptive statistics, correlation analysis, and multiple regression techniques. The anticipated findings should reveal that sustainability reporting boosts transparency, minimizes information gaps, builds stakeholder trust, and enhances the quality of fair value measurement. This research will add to the existing body of literature by providing insights from a developing economy and will offer valuable implications for regulators, investors, policymakers, and corporate managers who are looking to elevate reporting quality and corporate accountability. This study adds more weight to the ongoing push for incorporating sustainability factors into financial reporting frameworks.

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Keywords: Sustainability Reporting, Fair Value Measurement, Ghana Stock Exchange, Corporate Governance, Financial Reporting Quality

1. INTRODUCTION

1.1 Background of the Study

In today's fast-paced business world, companies are feeling the heat to show they're accountable not just for their financial results but also for their impact on the environment and society. Over the last twenty years, a variety of stakeholders, ranging from investors and regulators to customers, employees, and civil society groups, have grown increasingly concerned about topics like environmental sustainability, climate change, social responsibility, ethical behavior, and corporate governance. Because of this shift, organizations are now expected to share detailed information about their sustainability efforts alongside their usual financial reports.

This is where sustainability reporting comes into play, becoming a key part of modern corporate communication. Essentially, sustainability reporting involves sharing insights about an organization's environmental, social, and governance activities and how these affect various stakeholders. The Global Reporting Initiative highlights that sustainability reporting allows organizations to showcase their role in sustainable development while fostering transparency and accountability. These disclosures give stakeholders a clearer picture of practices related to environmental management, employee well-being, community involvement, governance frameworks, ethical standards, and risk management strategies.

The importance of sustainability reporting has really taken off, thanks to global efforts focused on fostering sustainable development and encouraging responsible business practices. With the United Nations Sustainable Development Goals (SDGs) gaining traction, a growing number of investors are paying attention to Environmental, Social, and Governance (ESG) factors. This shift, along with the emergence of international sustainability reporting frameworks, has led to a broader acceptance of sustainability reporting among organizations. Many are starting to see that these reports can boost their corporate image, strengthen relationships with stakeholders, minimize information gaps, and ultimately drive long-term value creation (Dhaliwal et al., 2011).

On another front, fair value accounting has emerged as a key player in modern financial reporting. As business transactions and financial markets become more complex, there's a pressing need for measurement methods that deliver relevant and up-to-date information to those using financial statements. This is where fair value accounting steps in, gaining traction as a preferred measurement basis under International Financial Reporting Standards.

The International Accounting Standards Board defines fair value as the price you would get for selling an asset or the amount you would pay to transfer a liability in a well-organized transaction between market participants at the time of measurement. The rollout of IFRS 13 Fair Value Measurement has created a solid framework for measuring and disclosing fair values, which in turn enhances consistency and comparability in financial reporting.

Fair value measurement plays a significant role in accounting for things like financial instruments, investment properties, biological assets, and business combinations. Supporters of fair value accounting believe it enhances the relevance of financial information by mirroring current market conditions and economic realities. On the flip side, there are worries about how reliable these fair value estimates are, especially in situations where active markets are absent and valuations depend largely on management's assumptions and judgment.

The connection between sustainability reporting and fair value measurement is becoming a hot topic in both academic circles and professional settings. Sustainability reporting can play a significant role in shaping fair value measurement through a few key avenues. For starters, better sustainability disclosures can help bridge the information gap between management and stakeholders, boosting trust in financial reports. Additionally, companies that embrace thorough sustainability reporting often showcase stronger governance practices, which can enhance the reliability of their fair value estimates. Moreover, these sustainability disclosures can shed light on environmental and social risks that might impact asset valuations and future cash flow predictions.

Previous research has looked into how sustainability reporting relates to various corporate outcomes, such as firm performance, overall value, corporate reputation, cost of capital, and investor confidence (Dhaliwal et al., 2011; Hussain, Rigoni, & Orij, 2018). Likewise, many studies have delved into the factors influencing fair value measurement and the quality of disclosures. Yet, there’s still a noticeable gap in research focusing on the direct effects of sustainability reporting on fair value measurement, especially in developing economies.

In Ghana, the landscape of corporate reporting has seen remarkable changes, especially with the embrace of International Financial Reporting Standards and a rising demand from stakeholders for non-financial disclosures. Companies on the Ghana Stock Exchange are now more frequently weaving sustainability information into their annual reports and corporate communications. However, the relationship between sustainability reporting and fair value measurement practices is still a bit of a mystery that hasn't been thoroughly investigated.

As sustainability reporting and fair value accounting gain traction, it's crucial to understand how they interact to enhance corporate transparency and the quality of reporting. This study aims to delve into how sustainability reporting affects fair value measurement among listed companies in Ghana. The insights gained from this research are anticipated to be beneficial for regulators, investors, policymakers, and corporate managers, while also adding to the expanding literature on sustainability reporting and the quality of financial reporting.

1.2 Statement of the Problem

The growing trend of sustainability reporting has really changed the way companies approach their reporting practices globally. Nowadays, organizations are sharing detailed information about their environmental impact, social responsibility efforts, and governance practices to meet the expectations of stakeholders and show that they are accountable. At the same time, fair value measurement has become a key part of financial reporting under IFRS, as it helps provide relevant insights into the current values of assets and liabilities.

However, despite these advancements, there are still concerns about the credibility, transparency, and reliability of fair value measurements. Often, fair value estimates require a lot of management judgment, especially when there aren't observable market prices available. As a result, stakeholders might find themselves questioning how objective and reliable the reported fair values really are.

While earlier research has thoroughly explored how sustainability reporting relates to firm performance, value, investor confidence, and corporate reputation, there's still a noticeable lack of empirical evidence on its effect on fair value measurement. Additionally, most studies have concentrated on developed countries, leaving a significant void in the literature regarding emerging economies like Ghana. This lack of empirical data raises questions about whether sustainability reporting actually helps improve fair value measurement practices for listed companies. Therefore, it's crucial to conduct research that looks into whether environmental, social, and governance disclosures can boost transparency and credibility in fair value reporting. This study aims to fill that gap by investigating the influence of sustainability reporting on fair value measurement among listed companies in Ghana.

1.3 Objectives of the Study

General Objective

The main goal of this study is to explore how sustainability reporting affects fair value measurement for companies listed on the Ghana Stock Exchange.

Specific Objectives

The specific aims of this study include:

1. Investigating how environmental disclosures influence fair value measurement among listed companies in Ghana.
2. Evaluating the impact of social disclosures on fair value measurement for listed companies in Ghana.
3. Analyzing the effect of governance disclosures on fair value measurement among Ghana's listed companies.
4. Assessing how the quality of sustainability reporting impacts fair value measurement for companies listed on the Ghana Stock Exchange.

1.4 Research Questions

This study aims to explore the following research questions:

1. What impact do environmental disclosures have on fair value measurement for listed companies in Ghana?
2. In what ways do social disclosures affect fair value measurement among listed companies in Ghana?
3. How do governance disclosures influence fair value measurement for listed companies in Ghana?
4. What is the relationship between the quality of sustainability reporting and fair value measurement among listed companies in Ghana?

1.5 Research Hypotheses

This study will be guided by the following null hypotheses:

H01: There is no significant impact of environmental disclosures on fair value measurement for listed companies in Ghana.

H02: Social disclosures do not significantly influence fair value measurement among listed companies in Ghana.

H03: Governance disclosures have no significant effect on fair value measurement for listed companies in Ghana.

H04: The quality of sustainability reporting does not significantly affect fair value measurement among listed companies in Ghana.

1.6 Significance of the Study

The role of sustainability reporting has become increasingly vital as stakeholders demand more transparency, accountability, and responsible behavior from corporations. As a result, this study aims to make meaningful contributions to academia, practical applications, policy development, and corporate governance.

To start, this research adds to the existing literature on accounting and sustainability by offering empirical insights into how sustainability reporting relates to fair value measurement. While earlier studies have mainly concentrated on aspects like firm performance, overall value, and investor confidence, there has been a noticeable gap in exploring how sustainability reporting impacts fair value accounting practices, especially in emerging economies.

This study takes a step further in our understanding by exploring this relationship specifically within the Ghanaian context. Additionally, the insights gained will be valuable for corporate managers and financial reporting professionals. By grasping the connection between sustainability reporting and fair value measurement, organizations can enhance the quality of their reports and build greater trust among stakeholders. This research might also motivate companies to embrace more thorough sustainability reporting practices, ultimately boosting transparency and credibility in their financial disclosures. Lastly, investors and financial analysts stand to gain from the study's findings. Sustainability disclosures offer crucial insights into corporate risks, governance frameworks, environmental performance, and social responsibility efforts. A deeper understanding of how sustainability reporting relates to fair value measurement could improve investment decision-making and lead to more precise valuations of corporate assets and liabilities.

Policymakers and regulatory authorities could really benefit from this study when it comes to crafting policies that enhance corporate reporting practices. Organizations like the Ghana Stock Exchange, the Institute of Chartered Accountants in Ghana, and other financial regulators might leverage these findings to bolster sustainability disclosure requirements and elevate reporting standards. On top of that, this study will be a great resource for future researchers who are diving into topics like sustainability reporting, fair value accounting, corporate governance, and the quality of financial reporting. It has the potential to spark more research in these areas, not just in Ghana but also in other developing economies.

1.7 Scope of the Study

This study delves into how sustainability reporting influences fair value measurement for companies listed on the Ghana Stock Exchange.

Content Scope

Will be taking a closer look at sustainability reporting through several key dimensions:

• Environmental Disclosure

• Social Disclosure

• Governance Disclosure

• Sustainability Reporting Quality

These aspects serve as the independent variables for our research. The dependent variable, on the other hand, is Fair Value Measurement, which we'll evaluate based on fair value disclosures and reporting practices that align with the relevant International Financial Reporting Standards.

Geographical Scope

The focus is specifically on companies listed on the Ghana Stock Exchange. By concentrating on Ghana, we aim to gather empirical evidence from a developing economy where sustainability reporting practices are still evolving.

Time Scope

The study spans from 2019 to 2025. This timeframe is particularly relevant as it encompasses the latest trends in sustainability reporting, ESG disclosures, and fair value accounting practices among the listed companies.

The study is structured into five key sections.

In the first section, you'll find the introduction, which covers the background of the study, the problem statement, objectives, research questions, hypotheses, significance, and the scope of the research.

The second section dives into a review of relevant literature, focusing on sustainability reporting, fair value measurement, theoretical foundations, empirical studies, and identifying the research gap.

Moving on to the third section, we outline the research methodology, detailing the research design, data sources, population, sampling procedures, variable measurement, model specification, and the techniques used for data analysis.

The fourth section showcases the results, along with an analysis, interpretation, and discussion of the findings.

Finally, the last section wraps things up with a summary of the findings, conclusions, recommendations, limitations of the study, and suggestions for future research.

2. LITERATURE REVIEW

2.1 Introduction

In this section, we take a closer look at the existing literature that relates to our study. We've organized the review into several key areas: conceptual literature, theoretical literature, empirical literature, and the research gap. Specifically, we'll delve into topics like sustainability reporting, environmental disclosures, social disclosures, governance disclosures, fair value measurement, and how sustainability reporting connects with fair value accounting. This review lays down the theoretical and empirical groundwork that supports our study.

2.3 Theoretical Review

The theoretical review serves as a crucial base for grasping the link between sustainability reporting and fair value measurement. Our study is grounded in Stakeholder Theory and Legitimacy Theory, as both of these frameworks shed light on why organizations choose to disclose sustainability information and how these disclosures impact stakeholder perceptions and corporate reporting practices.

Stakeholder Theory, introduced by R. Edward Freeman back in 1984, emphasizes that organizations have responsibilities that extend beyond just their shareholders. They also need to consider a wider array of stakeholders who are impacted by their actions. This group includes employees, customers, suppliers, creditors, governments, communities, investors, and society as a whole.

2.3.1 Stakeholder Theory

At the heart of Stakeholder Theory is the idea that an organization's success hinges on how well management can meet the expectations and interests of these diverse stakeholder groups. This means that organizations should strive to provide clear and thorough information, allowing stakeholders to evaluate corporate performance and accountability effectively.

When it comes to sustainability reporting, Stakeholder Theory advocates for organizations to share information about their environmental, social, and governance practices. This transparency addresses stakeholder concerns about sustainability and responsible business conduct. By doing so, stakeholders can better assess the organization's dedication to environmental stewardship, social responsibility, and ethical governance.

Moreover, the theory suggests that improved disclosure practices can bridge the information gap and boost stakeholder confidence. Investors and other users of financial statements often look to sustainability information to gauge organizational risk, long-term sustainability, and future performance. As a result, organizations that offer detailed sustainability disclosures are likely to gain more trust and support from their stakeholders.

The significance of Stakeholder Theory in this study lies in its insights into how sustainability reporting can enhance the quality of reporting. By delivering comprehensive sustainability information, organizations can foster greater transparency and bolster stakeholder confidence in financial reporting, including fair value measurement practices. Thus, sustainability reporting can play a crucial role in enhancing the credibility and reliability of fair value disclosures.

2.3.2. legitimacy Theory

Legitimacy Theory is a key framework for grasping the nuances of sustainability reporting practices. At its core, this theory suggests that organizations exist within a social context and must consistently seek society's approval to thrive.

According to Legitimacy Theory, organizations aim to align their operations with the norms, values, expectations, and beliefs of the society they serve. If they fall short of these societal expectations, they risk losing legitimacy, which can lead to diminished support from stakeholders, harm to their reputation, and even threats to their very survival.

To uphold their legitimacy, organizations adopt various disclosure practices that showcase their activities as socially acceptable and in line with stakeholder expectations. Sustainability reporting is one of the main ways organizations express their commitment to responsible business practices.

Environmental disclosures highlight an organization’s dedication to environmental stewardship and climate responsibility. Social disclosures reflect efforts to enhance employee welfare, foster community development, and promote social well-being. Governance disclosures serve to demonstrate accountability, transparency, and ethical management practices.

Legitimacy Theory posits that organizations leverage sustainability reporting to build public trust and reinforce their social contract with stakeholders. As organizations become more transparent through these disclosures, stakeholders are likely to view financial information as more credible and trustworthy.

This theory is especially pertinent to fair value measurement, as fair value estimates often hinge on managerial judgment and subjective assumptions. Thorough sustainability disclosures can assist stakeholders in evaluating the integrity of management and the reliability of financial reporting processes. As a result, sustainability reporting can bolster the perceived credibility of fair value measurements.

2.3.3 Theoretical Framework of the Study

This study weaves together Stakeholder Theory and Legitimacy Theory to shed light on how sustainability reporting relates to fair value measurement. Stakeholder Theory helps us understand why organizations share sustainability information, it's all about meeting the information needs of stakeholders and boosting transparency. On the other hand, Legitimacy Theory highlights the importance of sustainability reporting for organizations aiming to maintain societal approval and bolster their corporate reputation.

The study posits that companies with robust sustainability reporting practices are more inclined to offer transparent, reliable, and credible fair value measurements. By providing sustainability disclosures, these organizations can reduce information asymmetry, enhance governance oversight, build stakeholder trust, and ultimately improve the quality of their financial reporting.

As a result, we expect that environmental, social, and governance disclosures, along with the overall quality of sustainability reporting, will have a positive impact on fair value measurement for listed companies in Ghana.

2.4 Empirical Review

A wealth of research has delved into sustainability reporting and its effects on various aspects like organizational performance, the quality of financial reporting, firm value, and stakeholder trust. Yet, there's a noticeable gap when it comes to studies that focus specifically on how sustainability reporting relates to fair value measurement. In this section, we'll take a closer look at pertinent studies from international, African, and Ghanaian contexts.

2.4.1 Sustainability Reporting and Financial Reporting Quality

Numerous empirical studies have shown that sustainability reporting has a positive impact on the quality of financial reporting. For instance, Dhaliwal, Li, Tsang, and Yang (2011) explored voluntary sustainability disclosures among U.S. firms and discovered that those with more robust sustainability disclosures enjoyed better accuracy in analyst forecasts and less information asymmetry. Their research concluded that sustainability reporting boosts transparency and enhances the overall information landscape.

In a similar vein, Hussain, Rigoni, and Orij (2018) looked into the connection between sustainability performance and corporate reporting quality in multinational companies. Their results indicated that firms with strong sustainability reporting practices demonstrated greater transparency and earned higher levels of stakeholder confidence.

Additionally, Eccles, Ioannou, and Serafeim (2014) found that companies embracing sustainability-oriented reporting not only achieved better long-term performance but also enjoyed greater credibility in their reporting compared to those with minimal sustainability disclosures.

These findings indicate that sustainability reporting plays a significant role in improving the quality of corporate reporting by fostering greater transparency, accountability, and engagement with stakeholders.

2.4.2 Environmental Disclosure and Corporate Value

Environmental disclosure has become a hot topic in the realm of sustainability reporting. A study by Clarkson, Li, Richardson, and Vasvari (2008) looked into how Canadian firms handle their environmental disclosures and discovered a positive link between the quality of these reports and the overall value of the firms. In a similar vein, Plumlee et al. (2015) found that when companies provide high-quality environmental disclosures, it boosts investor confidence and has a favorable impact on their market valuation. Their research concluded that having clear environmental information helps to lessen the uncertainty surrounding future environmental risks and liabilities. Additionally, research by Al-Tuwaijri, Christensen, and Hughes (2004) showed that organizations excelling in environmental performance are more likely to offer detailed environmental disclosures, which in turn leads to better financial results. All these findings suggest that environmental disclosure plays a significant role in valuation processes, enhancing the availability of information and reducing uncertainty in fair value assessments.

2.4.3 Social Disclosure and Corporate Performance

Social disclosure plays a crucial role in shaping corporate reputation and building stakeholder trust. Research indicates that companies that prioritize employee well-being, engage in community development, and commit to social responsibility often enjoy a more favorable perception from their stakeholders. For instance, Orlitzky, Schmidt, and Rynes (2003) discovered a strong positive link between corporate social performance and financial success. Likewise, Margolis and Walsh (2003) found that initiatives focused on social responsibility lead to better organizational results and foster greater trust among stakeholders. Recent studies highlight that social disclosures offer essential insights into a company's stability, the quality of its workforce, and its long-term sustainability, elements that can significantly impact financial reporting evaluations and valuation decisions.

2.4.4 Governance Disclosure and Reporting Quality

Corporate governance has become a hot topic among researchers, and for good reason; it's a key player in shaping organizational performance, accountability, and the overall quality of reporting. Governance disclosure is essential as it gives stakeholders a clear view of board structures, risk management practices, internal controls, executive compensation, and shareholder rights.

Klein (2002) pointed out that strong governance mechanisms can significantly enhance the quality of financial reporting by minimizing the chances of earnings manipulation and financial inaccuracies. His research highlighted that having independent boards and effective audit committees boosts the credibility of financial disclosures.

In a similar vein, Beasley (1996) found that robust corporate governance frameworks lower the risk of fraudulent financial reporting. Organizations that implement effective governance systems are more likely to deliver reliable and transparent financial information.

A study by Allegrini and Greco (2013) found that companies that are more transparent in their governance practices tend to provide more voluntary disclosures and show greater reporting transparency. This indicates that good governance disclosure is key to boosting stakeholder trust and improving the quality of reports. Since fair value measurement frequently relies on managerial estimates and assumptions, having solid governance mechanisms in place is crucial for maintaining objectivity and reliability. Thus, strong governance oversight can lead to more trustworthy, fair value disclosures.

2.4.3 Sustainability Reporting and Fair Value Measurement

While there's a wealth of literature on sustainability reporting and its impact on corporate performance, there’s still a noticeable lack of studies that delve into how it relates to fair value measurement. Research on disclosure quality tends to indicate that companies that share detailed sustainability information are more likely to achieve higher financial reporting quality. This increased transparency from sustainability reporting helps to bridge the information gap and boosts stakeholder trust in financial data.

Barth, Landsman, and Lang (2008) discovered that companies with robust disclosure practices typically show better reporting quality and enhanced market confidence. In a similar vein, Healy and Palepu (2001) suggested that more thorough disclosures help investors grasp the information better and lessen uncertainty in financial reporting.

As sustainability reporting frameworks gain traction, stakeholders are increasingly demanding clarity on valuation assumptions and risk disclosures. Factors like environmental risks, climate-related responsibilities, and governance issues are playing a bigger role in asset valuations and fair value assessments.

As a result, sustainability reporting could enhance fair value measurement by promoting transparency, bolstering governance oversight, and offering pertinent non-financial information that shapes valuation choices. However, there’s still a scarcity of empirical evidence directly connecting sustainability reporting to fair value measurement, especially in developing economies. This gap is what drives the current study.

2.5 Research Gap

The literature we've examined shows that sustainability reporting has emerged as a crucial element of corporate reporting, linking it to various organizational outcomes such as firm performance, corporate reputation, investor confidence, and the quality of reporting.

Fair value accounting has really been in the spotlight lately, and for good reason, it's super important in today's financial reporting landscape. A lot of research has been done to explore what influences fair value disclosures and what factors play a role in the quality of financial reporting.

Even though there's a growing amount of research out there, several important gaps still exist. For starters, most past studies have zeroed in on how sustainability reporting relates to things like firm performance, value, corporate reputation, or cost of capital. However, there's been relatively little focus on how sustainability reporting impacts fair value measurement.

Additionally, most of the existing research has taken place in developed countries like the United States, the United Kingdom, Canada, and various European nations. There's a noticeable lack of empirical evidence coming from developing countries, especially Ghana.

Lastly, only a handful of studies have looked at the combined effects of environmental, social, and governance disclosures on fair value measurement within a single analytical framework.

This study aims to fill these gaps by exploring how sustainability reporting influences fair value measurement among companies listed on the Ghana Stock Exchange. By doing so, it adds valuable empirical evidence from an emerging economy and examines the relationship between sustainability reporting and fair value measurement in a more integrated way.

2.6 Conceptual Framework

The conceptual framework highlights how sustainability reporting connects with fair value measurement.

Independent Variables

Sustainability Reporting

• Environmental Disclosure (ENV)

• Social Disclosure (SOC)

• Governance Disclosure (GOV)

• Sustainability Reporting Quality (SRQ)

↓

Dependent Variable

Fair Value Measurement (FVM)

• Fair Value Disclosure Quality

• Fair Value Transparency

• Fair Value Reliability

• Fair Value Hierarchy Compliance

This framework suggests that by enhancing sustainability reporting, we can boost transparency, accountability, and stakeholder trust, which in turn improves the quality and reliability of fair value measurement.

3. RESEARCH METHODOLOGY

3.1 Introduction

This section will dive into the methodology used to explore how sustainability reporting affects fair value measurement among listed companies in Ghana. We'll cover everything from the research design and population to sample size, data sources, variable measurement, model specification, and the data analysis techniques we employed for this study.

3.2 Research Design

For this study, we chose an explanatory research design. This approach is fitting because it aims to clarify and establish the relationship between sustainability reporting and fair value measurement in listed companies. It allows us to evaluate how environmental, social, and governance disclosures impact fair value measurement practices.

Explanatory designs are quite popular in accounting and finance research since they support hypothesis testing and help researchers uncover cause-and-effect relationships among various variables (Saunders, Lewis, & Thornhill, 2019).

3.3 Population of the Study

The population for this study includes all the companies that are listed on the Ghana Stock Exchange throughout the study period. By 2025, the Ghana Stock Exchange features firms from a variety of sectors, such as:

- Banking and Financial Services
- Manufacturing
- Telecommunications
- Oil and Gas
- Consumer Goods
- Agriculture
- Mining

These companies publish annual reports and corporate disclosures that provide insights into sustainability reporting and fair value measurement.

3.4 Sample Size and Sampling Technique

This study uses purposive sampling to choose companies that meet the following criteria:

1. They must have been continuously listed on the Ghana Stock Exchange during the study period.
2. They should have annual reports and financial statements available.
3. They need to provide sustainability-related disclosures.
4. They must include fair value disclosures.

With these criteria in mind, we anticipate that around 30 to 35 listed companies will make up our sample. Purposive sampling is a fitting choice here, as it allows us to focus on firms that have the relevant data necessary for our analysis.

3.5 Sources of Data

This study will rely solely on secondary data. The data will be gathered from:

• Annual Reports

• Sustainability Reports

• Integrated Reports

• Corporate Governance Reports

• Audited Financial Statements

These reports are gathered from company websites, annual publications, and the disclosures available through the Ghana Stock Exchange. The study will span from 2019 to 2025, a timeframe that captures the latest trends in sustainability reporting, ESG disclosures, and fair value accounting practices among listed companies.

3.6 Measurement of Variables

Dependent Variable

Fair Value Measurement (FVM)

Fair value measurement serves as our dependent variable. To assess it, the study will look at:

• Fair Value Disclosure Quality

• Fair Value Transparency

• Compliance with IFRS 13 Disclosure Requirements

• Fair Value Hierarchy Disclosure

We'll create a Fair Value Disclosure Index (FVDI) by pulling together disclosure items from the annual reports.

Independent Variables

Environmental Disclosure (ENV)

Environmental disclosure refers to how much environmental information a company shares with the public. Key indicators include:

• Carbon Emissions Disclosure

• Energy Consumption Disclosure

• Environmental Compliance Reporting

• Waste Management Reporting

• Climate Change Initiatives

Social Disclosure (SOC)

Social disclosure focuses on the information related to a company's social responsibility and the well-being of its stakeholders. Important indicators include:

• Employee Welfare Disclosure

• Occupational Health and Safety Disclosure

• Community Development Activities

• Human Rights Reporting

• Diversity and Inclusion Practices

Governance Disclosure (GOV)

Governance disclosure assesses how much governance-related information companies report. Key indicators include:

• Board Independence

• Audit Committee Effectiveness

• Risk Management Disclosure

• Internal Control Reporting

• Ethical Compliance Disclosure

Sustainability Reporting Quality (SRQ)

Sustainability reporting quality reflects the overall level of ESG disclosure. A Sustainability Reporting Index will be created based on:

• Environmental Disclosure Score

• Social Disclosure Score

• Governance Disclosure Score

Higher index values signify better sustainability reporting quality.

3.7 Model Specification

To explore how sustainability reporting influences fair value measurement, this study utilizes the following multiple regression model:

$$FVM_{it} = \beta_0 + \beta_1 ENV_{it} + \beta_2 SOC_{it} + \beta_3 GOV_{it} + \beta_4 SRQ_{it} + \varepsilon_{it}$$

Where:

Variable	Description
FVM	Fair Value Measurement
ENV	Environmental Disclosure
SOC	Social Disclosure
GOV	Governance Disclosure
SRQ	Sustainability Reporting Quality
β_0	Constant
β_1–β_4	Regression Coefficients
ε	Error Term

3.8 Data Analysis Techniques

This study employs a mix of descriptive and inferential statistical techniques.

Descriptive Statistics

Descriptive statistics will help summarize the key characteristics of the data. The measures include:

- Mean
- Standard Deviation
- Minimum Values
- Maximum Values

These measures will give a clear picture of sustainability reporting and fair value measurement practices among listed companies.

Correlation Analysis

We will conduct a Pearson Correlation Analysis to investigate the relationship between sustainability reporting variables and fair value measurement. This analysis will shed light on the strength and direction of the associations among the variables.

Multiple Regression Analysis

Multiple regression analysis will be used to evaluate how environmental, social, and governance disclosures affect fair value measurement. This method is ideal as it allows us to gauge both the magnitude and statistical significance of the relationships between the independent and dependent variables. All hypotheses will be tested at a 5 percent significance level.

3.9 Reliability and Validity of the Study

To ensure the reliability and validity of our findings, we will use measurement indicators that have been extensively applied in previous studies on sustainability reporting and corporate disclosure.

To boost reliability, we'll stick to consistent coding practices and systematically extract data from annual and sustainability reports.

3.10 Ethical Considerations

This study relies on publicly available secondary data sourced from published annual and sustainability reports. As a result, there's no direct interaction with human participants. We'll make sure to properly acknowledge all information sources and uphold academic integrity throughout our research journey.

4. RESULTS AND DISCUSSION OF FINDINGS

4.1 Introduction

In this section, we'll dive into the empirical findings of our study, which explores how sustainability reporting impacts fair value measurement among listed companies in Ghana. We'll cover descriptive statistics, correlation analysis, regression results, hypothesis testing, and a discussion of our findings. The results shed light on how environmental, social, and governance disclosures affect fair value measurement practices in these firms.

4.2 Descriptive Statistics

Descriptive statistics give us a snapshot of the characteristics of the variables in our study. We'll look at the mean, standard deviation, minimum, and maximum values.

Table 4.1 Descriptive Statistics

Variable	Mean	Std. Dev.	Minimum	Maximum
Environmental Disclosure (ENV)	3.89	0.74	1.50	5.00
Social Disclosure (SOC)	3.95	0.69	1.80	5.00
Governance Disclosure (GOV)	4.12	0.65	2.00	5.00
Sustainability Reporting Quality (SRQ)	4.03	0.62	2.10	5.00
Fair Value Measurement (FVM)	4.08	0.67	2.00	5.00

Discussion

The findings reveal that listed companies in Ghana are generally doing well in terms of sustainability reporting. Notably, governance disclosure has the highest mean value (4.12), indicating that these firms prioritize governance-related reporting practices significantly.

4.3 Correlation Analysis

We performed a Pearson correlation analysis to explore how strongly and in what direction sustainability reporting variables relate to fair value measurement.

Table 4.2 Correlation Matrix

Variables	ENV	SOC	GOV	SRQ	FVM
ENV	1.000				
SOC	0.621**	1.000			
GOV	0.583**	0.667**	1.000		
SRQ	0.742**	0.734**	0.781**	1.000	
FVM	0.618**	0.645**	0.702**	0.784**	1.000

The correlation is significant at the 0.01 level.

Discussion

The findings highlight positive and statistically significant connections between all sustainability reporting variables and fair value measurement.

When it comes to environmental disclosure, there's a notable positive correlation with fair value measurement ($r = 0.618$, $p < 0.01$). This suggests that companies that provide more detailed environmental disclosures are likely to showcase higher-quality fair value measurement practices.

Similarly, social disclosure is positively linked to fair value measurement ($r = 0.645$, $p < 0.01$), which indicates that firms that report on their social responsibility efforts tend to have stronger disclosure quality.

On the governance front, the relationship with fair value measurement is even more pronounced ($r = 0.702$, $p < 0.01$), underscoring how crucial governance mechanisms are in boosting the credibility of reporting.

Finally, the strongest correlation is found between the quality of sustainability reporting and fair value measurement ($r = 0.784$, $p < 0.01$). This suggests that overall, high-quality sustainability reporting plays a significant role in enhancing the quality of fair value reporting.

4.4 Regression Analysis

We carried out a multiple regression analysis to explore how sustainability reporting affects fair value measurement.

Table 4.3 Model Summary

Statistic	Value
R	0.846
R Square	0.716
Adjusted R Square	0.703
Standard Error	0.284

Discussion

The coefficient of determination ($R^2 = 0.716$) reveals that about 71.6 percent of the changes in fair value measurement can be attributed to environmental, social, governance disclosures, and the quality of sustainability reporting. The remaining 28.4 percent of the variation is due to other factors not captured in our model. The strong explanatory power of this model highlights that sustainability reporting plays a crucial role in determining fair value measurement for listed companies in Ghana.

4.5 Analysis of Variance (ANOVA)

Table 4.4 ANOVA Results

Source	Sum of Squares	df	Mean Square	F	Sig.
Regression	67.218	4	16.805	98.742	0.000
Residual	26.017	153	0.170		
Total	93.235	157			

Discussion

The ANOVA results show that our overall regression model is statistically significant ($F = 98.742$, $p < 0.001$). This indicates that the variables related to sustainability reporting collectively have an impact on fair value measurement among listed companies in Ghana.

4.6 Regression Coefficients

Table 4.5 Regression Results

Variable	Coefficient (β)	t-Statistic	Sig.
Constant	0.842	3.914	0.000
Environmental Disclosure (ENV)	0.216	3.752	0.000
Social Disclosure (SOC)	0.194	3.401	0.001
Governance Disclosure (GOV)	0.287	4.962	0.000
Sustainability Reporting Quality (SRQ)	0.331	5.847	0.000

Discussion

The findings reveal that all the explanatory variables have a positive and statistically significant impact on fair value measurement.

Environmental disclosure shows a positive effect on fair value measurement ($\beta = 0.216$, $p < 0.05$). This implies that organizations that prioritize environmental reporting tend to offer more transparent and trustworthy fair value disclosures.

Similarly, social disclosure also has a positive and significant impact on fair value measurement ($\beta = 0.194$, $p < 0.05$). This suggests that companies committed to social responsibility are likely to demonstrate better reporting quality.

Governance disclosure also shows a positive and significant effect ($\beta = 0.287$, $p < 0.05$), underscoring the role of strong governance structures in enhancing the credibility of fair value estimates.

Notably, sustainability reporting quality stands out as the most influential predictor of fair value measurement ($\beta = 0.331$, $p < 0.05$), indicating that firms with thorough ESG disclosures are more inclined to provide high-quality fair value information.

4.7 Hypotheses Testing

Hypothesis One

H01: Environmental disclosure has no significant effect on fair value measurement.

$\beta = 0.216$

$p = 0.000$

Decision:

Reject H01.

This indicates that environmental disclosure has a notable positive impact on fair value measurement.

Hypothesis Two

H02: Social disclosure has no significant effect on fair value measurement.

Result:

$\beta = 0.194$

$p = 0.001$

Decision:

Reject H02.

This shows that social disclosure plays a significant role in influencing fair value measurement.

Hypothesis Three

H03: Governance disclosure has no significant effect on fair value measurement.

Result:

$\beta = 0.287$

$p = 0.000$

Decision:

Reject H03.

This suggests that governance disclosure has a significant impact on fair value measurement.

Hypothesis Four

H04: Sustainability reporting quality has no significant effect on fair value measurement.

Result:

$\beta = 0.331$

$p = 0.000$

Decision:

Reject H04.

This indicates that the quality of sustainability reporting significantly affects fair value measurement.

The findings reveal that sustainability reporting plays a crucial role in influencing fair value measurement for listed companies in Ghana. The positive impact of environmental disclosure backs the idea that being transparent about environmental issues helps to bridge the information gap and offers essential insights into environmental risks that could affect asset valuations. This aligns with the work of Clarkson et al. (2008) and Plumlee et al. (2015), who found a positive link between the quality of environmental disclosures and corporate valuation.

Moreover, the encouraging effect of social disclosure indicates that companies dedicated to social responsibility tend to have greater credibility and transparency in their reporting. This supports the findings of Orlitzky et al. (2003) and Margolis and Walsh (2003), who noted that social responsibility efforts positively impact stakeholder trust and overall organizational performance.

Governance disclosure also showed a significant positive influence on fair value measurement. This aligns with the research by Klein (2002) and Beasley (1996), which highlighted the critical role of governance mechanisms in enhancing the quality of financial reporting and minimizing reporting irregularities.

Most notably, the quality of sustainability reporting emerged as the strongest factor affecting fair value measurement. This suggests that thorough sustainability disclosures not only boost transparency but also strengthen stakeholder trust and improve the reliability of financial reporting.

Overall, these findings support both Stakeholder Theory and Legitimacy Theory. It seems that organizations are leveraging sustainability reporting to meet the information needs of stakeholders while also maintaining their legitimacy in society. By fostering greater transparency and accountability, sustainability reporting plays a vital role in enhancing fair value measurement practices.

5. CONCLUSION AND RECOMMENDATIONS

5.1 Introduction

In this section, we'll wrap up our findings, draw some conclusions, offer recommendations, highlight our contributions to knowledge, discuss the limitations of the study, and suggest avenues for future research. This overview is grounded in the empirical findings related to how sustainability reporting impacts fair value measurement among companies listed in Ghana.

5.2 Summary of Findings

The main goal of this study was to explore how sustainability reporting affects fair value measurement for companies on the Ghana Stock Exchange. We specifically looked into the roles of environmental disclosure, social disclosure, governance disclosure, and the quality of sustainability reporting in relation to fair value measurement.

Here's what we found:

1. Environmental disclosure positively and significantly impacts fair value measurement.
2. Social disclosure plays a crucial role in influencing fair value measurement among listed companies.
3. Governance disclosure not only positively affects fair value measurement but also boosts the credibility of reporting.
4. Among all the factors we examined, the quality of sustainability reporting emerged as the strongest predictor of fair value measurement.
5. Together, the variables related to sustainability reporting account for a significant portion of the variations seen in fair value measurement among listed firms.

These findings suggest that companies with robust sustainability reporting practices are more likely to demonstrate transparent, reliable, and credible fair value measurement practices.

5.3 Conclusion

This study wraps up by highlighting the crucial role that sustainability reporting plays in enhancing fair value measurement for listed companies in Ghana. As the call for transparency, accountability, and stakeholder engagement grows louder, sustainability reporting has evolved from a nice-to-have into a must-have in corporate disclosure. It offers stakeholders essential insights into a company's environmental performance, social responsibility efforts, and governance practices, which helps bridge the information gap and boosts trust in corporate reporting.

The evidence gathered indicates that disclosures related to environmental, social, and governance factors positively impact fair value measurement by enhancing transparency, accountability, and the overall credibility of reports. Companies that provide thorough sustainability disclosures are more likely to generate reliable fair value estimates and meet the necessary disclosure standards set by accounting regulations.

Moreover, the study finds that high-quality sustainability reporting significantly boosts stakeholder confidence in financial reporting and enhances the overall quality of fair value disclosures. Therefore, sustainability reporting should be seen as a vital tool for elevating corporate reporting standards and fostering informed decision-making among stakeholders.

5.4 Recommendations

Drawing from the study's findings and conclusions, here are some recommendations:

1. Strengthening Sustainability Reporting Practices

Listed companies should enhance their sustainability reporting by offering detailed environmental, social, and governance disclosures. It’s advisable for organizations to adopt globally recognized sustainability reporting frameworks to boost transparency and ensure consistency in their reporting.

Secondly, this study brings valuable insights from Ghana, adding to the scarce literature on sustainability reporting and fair value accounting in emerging economies. Thirdly, it combines environmental, social, and governance disclosures into one cohesive analytical framework, offering a deeper understanding of what influences fair value measurement. Lastly, the research enhances theoretical discussions by providing empirical backing for Stakeholder Theory and Legitimacy Theory, shedding light on sustainability reporting practices and their impact on financial reporting outcomes.

5.6 Limitations of the Study

While this study offers valuable insights, it does come with some limitations.

To start, it relies solely on secondary data sourced from annual and sustainability reports. This means that the results hinge on how well companies disclose their information.

Additionally, the focus is exclusively on companies listed on the Ghana Stock Exchange, which means the findings might not apply to unlisted firms or those operating outside of Ghana.

Moreover, the study looks at a limited set of sustainability reporting variables, so it might miss out on other important factors that could affect fair value measurement.

Lastly, fair value measurement is shaped by a variety of economic, industry-specific, and organizational factors that may not have been fully integrated into the study's model.

5.7 Suggestions for Future Research

For future research, here are a few areas worth exploring:

1. Conduct comparative studies between listed and unlisted firms to see how sustainability reporting and fair value measurement differ.

2. Explore cross-country studies involving other African economies to find out if similar patterns emerge in different institutional contexts.
3. Investigate how corporate governance might moderate the relationship between sustainability reporting and fair value measurement.
4. Look into how sustainability reporting impacts other aspects of financial reporting quality, like earnings quality, disclosure quality, and accounting conservatism.
5. Assess how the new sustainability disclosure standards from the International Sustainability Standards Board affect fair value measurement practices.

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