Internship Report

on

The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as The Key Determinant

Submitted by:

Mahabuba

ID: BBA2103024063

Program: Bachelor of Business Administration (BBA)

Major: Accounting

Department of Business Administration

Sonargaon University (SU)

Submitted to:

Department of Business Administration

Faculty of Business

Sonargaon University (SU)

Submitted for the partial fulfillment of the degree of BBA in Accounting



Sonargaon University (SU)

147/I ,Green Roaad, Tejgaon, Dhaka-1215

Date of Submission: August 30, 2025

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Supervised to:

Sumon Sheikh

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Date of Submission: August 30, 2025

Letter of Transmittal

August 30, 2025

Sumon Sheikh
Lecturer
Department of Business Administration
Faculty of Business
Sonargaon University (SU)

Subject: Submission of Internship Report Titled "The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as The Key Determinant"

Dear sir,

It is with great pleasure that I submit my internship report entitled "The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as the Key Determinant" prepared as a partial requirement for my BBA program at Sonargaon University. Based on my practical experience and observations during the internship, the report has been both insightful and valuable in enhancing my academic knowledge and professional skills, and I believe it will serve as a useful reference in my future career.

I would like to express my sincere gratitude for your continuous guidance, support, and encouragement throughout the course of my internship. Without your valuable advice, the successful completion of this report would not have been possible. Moreover, if you have any further inquired concerning any additional information, I would be very pleased to clarify that.

Your Sincerely

_____

Mahabuba
ID: BBA2103024063
Program: Bachelor of Business Administration (BBA)
Major: Accounting
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Declaration of Student

I hereby declare that the internship report titled The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as the Key Determinant has been prepared as part of the requirements for my Bachelor of Business Administration (BBA) program at Sonargaon University (SU).

Moreover, I was inspired and instructed by **Mr. Sumon Sheikh**, Lecturer, Department of Business Administration, Sonargaon University (SU).

I further declare that this report has not been submitted to any other institution for the award of any degree or certificate.

Your Sincerely

_____

Mahabuba

ID: BBA2103024063

Program: Bachelor of Business Administration (BBA)

Major: Accounting

Sonargaon University (SU)

Letter of Authorization

This is to certify that the internship report "**The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as the Key Determinant"** has been prepared by Ms. **Mahabuba**, ID: **BBA2103024063**, as a partial requirement for the completion of the Bachelor of Business Administration (BBA) program at the Department of Business Administration, Sonargaon University (SU).

The report has been completed under my supervision, and I hereby authorize its submission for academic evaluation. The content of this report, in full or in part, shall not be used for any other purpose without prior permission.

_____

Sumon Sheikh
Lecture
Department of Business Administration
Faculty of Business
Sonargaon University (SU)

Acknowledgement

It has truly been an amazing journey with **Hossain & Hossain Chartered Accountants** and the fellow colleagues & seniors there. I am truly delighted to submit this report after successful completion of three months of real life exposure in Finance and Accounting.

First and foremost, I wish to extend my sincere appreciation to my respected teacher and supervisor, **Mr. Sumon Sheikh**, for his continuous guidance, encouragement, and valuable suggestions throughout the preparation of this report. His unwavering support has been an inspiration for me.

My profound thanks also go to **Md. Anowar Hossain**, ACA, Partner, Hossain & Hossain Chartered Accountants**,** for granting me the opportunity to be part of such a dynamic and integrity-driven team.

I would share my utmost pleasure to work with **Akash Sarkar Protic** Senior Assistant Manager, Hossain & Hossain Chartered Accountants for being such a great leader and a mentor to have patience and believe on me for assigning the tasks and be there to help me and teach me proper way of delivering a best output. Without his relentless effort, time and suggestions it wouldn't have been possible to complete the internship at ease.

Last but not the least I am deeply indebted to Sonargaon University for its continuous support and for bridging the gap between academic learning and the professional world. The knowledge and experiences I have gained during my four years at SU have empowered me to face real-world challenges with confidence.

Executive Summary

This study, titled “The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as The Key Determinant”, is the outcome of a three-month internship under the Department of Business Administration, Sonargaon University as part of the BBA degree requirement. The study explores how corporate governance and sustainability practices influence firm profitability, with a focus on listed commercial banks in Bangladesh. It also draws practical insights from Hossain & Hossain Chartered Accountants, a leading professional accounting firm known for its integrity and transparency in financial reporting.

The study examines the effects of governance variables—board size, independent directors, female directors, and audit committee composition—as well as sustainability practices, including the presence of a sustainability committee and gender diversity, on firm performance. Firm-level characteristics, such as size and leverage, are also analyzed. Using a five-year panel dataset (2019–2023) of 16 listed commercial banks from the Dhaka Stock Exchange (DSE), multiple regression analysis was applied. Diagnostic tests confirmed the reliability of the model, with no multicollinearity issues (VIF < 2). Profitability is measured by return on assets (ROA).

The findings indicate that board size is the only statistically significant determinant of profitability ($\beta = 0.814$, $t = 7.987$, $p < 0.001$), suggesting that larger boards improve monitoring, decision-making, and overall firm performance. Other governance and sustainability variables, along with firm-level characteristics, showed positive but insignificant effects. These results highlight the importance of optimizing board structures to enhance performance, while policymakers and regulators may consider strengthening the roles of independent directors, female participation, and sustainability oversight to make these mechanisms more effective. The study contributes to the literature on corporate governance and sustainability in emerging markets, offering empirical evidence from Bangladesh’s banking sector.

List of Acronyms

ICAB= Institute of Chartered Accountants of Bangladesh

CA= Chartered Accountants

BPO= Business Process Outsourcing

VAT= Value Added Tax

TDS= Tax Deducted at source

ACA= Associate Chartered Accountants

ACCA= Association of Chartered Certified Accountants

ESG= Environmental, Social, and Governance

GRI= Global Reporting Initiative

ISSB= International Sustainability Standards Board

ROA=Return of Assets

GADI=Green Accounting Disclosure Index

CSR=Corporate Social Responsibility

TRC= Technical and Research Committee

IAS= International Accounting Standards

ICQs= Completing Internal Control Questionnaires

APM= Audit Practice Manual

DSE =Dhaka Stock Exchange

BSA=Bangladesh Standards on Auditing

ERP= Enterprise Resource Planning

ISA=International Standards on Auditing

BFRSs=Bangladesh Financial Reporting Standards BFRSs

IFRS=International Financial Reporting Standards

IFRIC= International Financial Reporting Interpretations Committee

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Chapter-1

Introduction

1.1 Introduction

In today's business environment, green accounting also known as environmental or sustainability accounting enhances conventional financial reporting by integrating environmental costs and benefits associated with corporate operations. It captures indirect impacts such as pollution, resource depletion, and remediation expenses, providing a more comprehensive view of a company's true ecological footprint. The rise of environmental disclosure is driven by increasing stakeholder expectations, regulatory pressures, and investor emphasis on ESG performance. Many firms now adopt formal reporting frameworks like GRI or ISSB to systematize sustainability reporting. Transparent sustainability disclosure is associated with benefits such as stronger investor confidence, improved access to green financing.

Recent research provides strong evidence for a positive relationship between environmental performance and financial outcomes across multiple countries and sectors. A global study of 34 countries found that superior environmental performance was associated with improved financial metrics like ROA and Tobin's Q, as well as lower capital costs (Shen et al., 2024). Meta-analyses have confirmed this positive correlation, identifying factors such as measurement methods, regional differences, and industry sectors as significant moderators (Albertini, 2013). Environmental management strategies, including auditing programs and stakeholder engagement, have been linked to stronger financial performance (Murphy, 2002). However, the relationship between environmental performance and disclosure is more complex, with one meta-analysis revealing a weak negative association, suggesting that poor performers may have greater incentives to disclose (Doan & Sassen, 2020). These findings underscore the importance of considering environmental factors in corporate strategy and investment decisions.

1.2 Origin of the Report

This internship report has been prepared as a partial requirement for the completion of the Bachelor of Business Administration Program (BBA) at SU. As part of the academic curriculum, I have completed a three-month internship program at Hossain & Hossain Chartered Accountants**.** During this internship, I was engaged in various tasks related to auditing, financial analysis, and reporting, which provided valuable practical insights. Based on guidance from my academic supervisor and the internship

organization, the topic The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as the Key Determinant, as selected to reflect a current and significant issue in the field of accounting and sustainability.

1.3 Background of the study

Traditionally, accounting practices have primarily focused on recording financial transactions and reporting business profitability. However, this traditional model fails to account for the environmental costs associated with business operations, such as pollution, carbon emissions, and resource depletion. Over the past few decades, the global business environment has undergone a paradigm shift, with a heightened focus on sustainability, environmental protection, and corporate social responsibility.

In Bangladesh, the banking sector plays a vital role in promoting sustainable development. Bangladesh Bank, the central bank, has issued several green banking guidelines and policy directives encouraging financial institutions to adopt environmentally responsible practices. However, the level and quality of disclosure regarding environmental initiatives vary significantly among banks.

This study is particularly important in understanding the current state of green accounting practices among commercial banks in Bangladesh and how such disclosures may relate to performance metrics such as customer trust, brand image, stakeholder engagement, and long-term profitability. The background of this study is rooted in the intersection of environmental responsibility and corporate financial performance in a developing economy context.

1.4 Scope of the study

This study focuses on analyzing the extent of green accounting information disclosed by selected commercial banks in Bangladesh over the period from 2019 to 2023. It specifically examines the transparency and consistency of environmental reporting, while excluding any evaluation of the practical implementation, effectiveness, or financial outcomes of the disclosed initiatives.

The scope of this study is specifically centered on four core components of green accounting information.

Environmental Policies: This includes formal policy documents and public commitments adopted by banks that reflect their strategic approach toward environmental protection and sustainable development.

Environmental Products and Processes: This refers to the extent to which banks engage in green financing, offer eco-friendly financial products (such as green loans or bonds), and implement sustainable operational procedures that minimize environmental impact.

Environmental Energy Usage: This assesses the banks' initiatives related to energy efficiency, including the adoption of energy-saving technologies and the use of renewable energy sources within their branches and corporate offices.

Environmental Financial Aspects: This evaluates how banks account for and disclose environmental-related financial information, including expenditures on environmental protection, investments in green projects, and any related provisions in their financial statements.

1.5 Objectives of the study

The main purpose of this study is to explore how corporate governance and sustainability practices shape firm profitability, with profitability measured through return on assets (ROA). In doing so, the study sets out to:

1. Assess the effect of key corporate governance factors, such as board size, independent directors, female representation, and audit committee composition, on firm profitability.
2. Examine whether sustainability-related practices, particularly the existence of a sustainability committee and gender diversity, contribute to firm performance.
3. Analyze the role of firm-specific characteristics, including firm size and leverage, in determining profitability.
4. Identify which governance or sustainability factor emerges as the most influential driver of profitability, with special attention given to the role of board size.
5. Contribute empirical evidence to the growing body of literature on governance, sustainability, and firm performance, while also offering practical insights for corporate decision-makers and policymakers.

1.6 Research Methodology

Research Design

This study employs a quantitative research design with a descriptive and explanatory approach. It evaluates the impact of green accounting information disclosure on the financial performance of commercial banks in Bangladesh. The disclosure level is measured using a Green Accounting Disclosure Index (GADI) constructed from four categories, while financial performance is measured using profit and accounting indicators.

1.6.1 Data Sources

The study relies entirely on secondary data, collected from:

- Annual reports of selected commercial banks (2019–2023).
- Sustainability/CSR reports where available.
- Banks' official websites and Bangladesh Bank publications.

The dataset has been manually compiled into an index table of disclosure practices, where each indicator is coded as 1 = disclosed, 0 = not disclosed**.**

1.6.2 Population and Sample

The population consists of all listed commercial banks in Bangladesh. For feasibility, the study includes 16 commercial banks such as listed in the Dhaka stock Exchange PLC. The time frame is five years from 2019 to 2023 resulting in a panel dataset suitable for trend and impact analysis.

1.6.3 Variable Definition

Dependent Variable

Firm Profitability (ROA): Profitability is measured by Return on Assets (ROA), calculated as net income divided by total assets. ROA reflects how efficiently a firm uses its assets to generate earnings and is widely used in prior governance performance studies.

Independent Variables (Governance Factors)

1. **Board Size (BS):** Refers to the total number of directors serving on the board of a firm. Larger boards are assumed to provide greater expertise and monitoring capacity.
2. **Independent Directors (ID):** Measured as the proportion or number of independent directors on the board, representing outside perspectives free from management influence.
3. **Female Directors (FD):** Refers to the presence or proportion of female members on the board, capturing gender diversity in decision-making.
4. **Audit Committee Size (ACS):** Indicates the number of members in the audit committee, reflecting its monitoring capacity.
5. **Audit Committee Expertise (ACE):** Refers to the proportion of audit committee members with professional accounting or financial expertise, which is expected to enhance oversight quality.

Independent Variables (Sustainability Factors)

6. **Sustainability Committee (SC):** A dummy variable capturing whether a firm has a designated sustainability or CSR committee (1 = present, 0 = absent).

7. **Gender Diversity (GAD):** Reflects the level of gender representation within the firm's governance structure, either through percentage of female directors or an index of diversity.

Control Variables (Firm-Level Characteristics)

8. **Firm Size (FS):** Measured as the natural logarithm of total assets, representing the scale of firm operations.

9. **Leverage (LEV):** Calculated as the ratio of total debt to total assets, capturing the extent of debt financing.

1.6.4 Regression Model

The study employs a multiple linear regression model to examine the impact of governance and sustainability variables on firm profitability. The model is specified as follows:

$$ROA_i = \beta_0 + \beta_1 BS_i + \beta_2 ID_i + \beta_3 FD_i + \beta_4 ACS_i + \beta_5 ACE_i + \beta_6 SC_i + \beta_7 GAD_i + \beta_8 FS_i + \beta_9 LEV_i + \epsilon_i$$

Where:

ROA= Return on Assets of firm *i* (profitability measure)

BS = Board Size

ID = Independent Directors

FD = Female Directors

ACS = Audit Committee Size

ACE = Audit Committee Expertise

SC = Sustainability Committee (dummy variable)

GAD = Green Accounting Disclosure

FS = Firm Size (log of total assets)

LEV = Leverage

β_0 = Intercept

$\beta_1 ... \beta_9$ = Coefficients of independent variables

ϵ_i = Error term

1.7 Limitations of the study

- Disclosure is measured using a binary (1/0) method, which may oversimplify reporting quality.
- The study covers selected banks only, so findings may not generalize across all financial institutions or other industries.
- Only five years of data are analyzed, which may limit long-term trend conclusions.

Chapter-2

Literature Review

2.1 Concept of Green Accounting Information

Green accounting a modern branch of accounting, focuses on measuring and disclosing environmental activities and their impact on financial statements (Wasan Yahia Ahmed et al., 2021). It factors environmental costs into operational results and accounts for long-term environmental effects of economic activities (Sadiku et al., 2021). Research suggests that incorporating green accounting practices in financial reporting can improve the quality of accounting information, enhancing transparency, stakeholder confidence, and compliance with international financial reporting standards (Abdullah Najm Abed & Singh, 2024). Green accounting helps organizations identify resource utilization and environmental costs incurred by industrial activities (Tambe, 2020). Studies indicate that considering green accounting costs within financial statements can better meet the interests of users and contribute to improved quality of accounting information (Wasan Yahia Ahmed et al., 2021). As sustainability reporting gains importance, green accounting practices are becoming increasingly relevant for businesses, particularly in sectors like banking (Abdullah Najm Abed & Singh, 2024)

2.2 Evaluation of Green Accounting

Green accounting has emerged as a vital tool for measuring and disclosing environmental activities and costs within financial statements (Singh, 2020; Ahmed et al., 2021). It aims to improve the quality of accounting information by incorporating environmental costs, thereby meeting stakeholder interests and supporting decision-making (Ahmed et al., 2021). The implementation of green accounting can help companies evaluate environmental activities, analyze waste problems, and enhance environmental management efficiency (Chairia et al., 2022). However, some companies may not effectively report environmental costs due to reluctance to disclose negative information (Chairia et al., 2022). To address this, the cost-benefit analysis model has been proposed as a method for estimating environmental revenues and costs, which can be included in profit and loss statements (Mylonakis & Tahinakis, 2006). Additionally, environmental taxes are considered an important cost for industries pursuing sustainable growth (Mylonakis & Tahinakis, 2006).

2.3 Theoretical Frameworks in Green Accounting

Green accounting is an evolving concept that encompasses environmental, social, and spiritual aspects, extending beyond mere ecological considerations (Khairin et al., 2020). While it aims to measure and communicate a company's financial activities in relation to environmental impacts, its implementation faces challenges in accurately quantifying externalities (Andi et al., 2020). Research trends in Indonesia show a peak in green accounting studies in 2017, followed by a decline through 2023 (Erstiawan, 2024). Studies have revealed that green accounting can enhance financial performance, investor appeal, and operational efficiency, demonstrating the potential coexistence of sustainability and economic gain (Erstiawan, 2024). However, empirical evidence from high-profile industries in Indonesia suggests that while environmental performance positively affects profitability, green accounting itself does not have a significant impact (Tjoa & Patricia, 2022). The integration of religious values and local culture, along with environmental education, plays a crucial role in strengthening the implementation and future practice of green accounting (Erstiawan, 2024).

2.4 Key Components of Green Accounting

Green Accounting, also known as environmental accounting, plays a crucial role in measuring and managing the environmental impacts of an organization’s operations. It integrates environmental aspects into conventional accounting systems, allowing companies to assess both the financial and ecological dimensions of their performance. The following are the key components of green accounting:

Environmental Costs

Environmental costs represent the expenses a company incurs in preventing, controlling, or mitigating environmental damage. These costs are classified into the following categories:

Direct Environmental Costs: Costs associated with waste treatment, pollution control, emission reduction, and recycling activities.

Indirect Environmental Costs: Administrative and compliance costs related to environmental regulations, environmental training, and monitoring systems.

Contingent and Hidden Costs: Future liabilities, legal fees, reputational losses, or fines related to non-compliance with environmental laws.

These costs provide valuable insights into the long-term sustainability of a company and help in resource allocation decisions.

Environmental Liabilities

Environmental liabilities are the obligations a company may face due to its environmental impacts, either from current or past operations. These include:

- Costs related to environmental remediation.
- Fines and penalties imposed for regulatory non-compliance.
- Provisions for site cleanup or damage compensation.

Recognizing and disclosing such liabilities ensures transparency and protects the company from future legal risks.

Environmental Assets

Environmental assets are resources or capital investments made by a company to minimize its environmental footprint. These may include:

- Solar panels, energy-efficient machinery, or water recycling systems.
- Green infrastructure like eco-friendly buildings.
- Investments in clean energy and sustainable production technologies.

Such assets reflect a company's long-term commitment to environmental sustainability.

Natural Resource Accounting

This component deals with the measurement and valuation of natural resources used in the production process. It includes tracking the consumption and depletion of:

- Water, air, and forest resources.
- Minerals and fossil fuels.

By evaluating the usage of natural resources, companies can assess the sustainability of their operations and promote responsible resource management.

Green Investment Accounting

Green investment accounting involves the tracking and reporting of capital expenditures made for environmental sustainability. This includes:

- Investment in research and development of green technology.
- Funds allocated for environmental management systems.
- Capital used for projects like pollution control, renewable energy, and afforestation.

Such investments are often seen as long-term value additions for both the company and society.

2.5 Importance of Green Accounting

Green accounting is vital for promoting environmentally responsible business practices. It helps organizations identify and report environmental costs, manage natural resources efficiently, and make informed decisions that balance financial performance with ecological sustainability. By enhancing transparency, supporting regulatory compliance, and improving risk management, green accounting contributes to long-term business success, attracts ethical investors, and strengthens a company's reputation in the market. These importance includes are:

Promotes Sustainable Development: Green accounting helps companies reduce their environmental impact by tracking resource usage and emissions. This supports long-term environmental sustainability.

Improves Transparency and Accountability: By disclosing environmental costs and activities, companies show responsibility toward the environment, which builds trust with investors, customers, and regulators.

Identifies Cost-Saving Opportunities: Tracking waste, energy use, and emissions can reveal areas where costs can be reduced through efficiency and innovation.

2.6 Review of Relevant Literature on The Effect of Governance Structures and Sustainability Practices on Firm Profitability: Board Size as the Key Determinant in Hossain & Hossain (Chartered Accountants) Professional Service Sector.

Hossain & Hossain Chartered Accountants, as a prominent CA firm in Bangladesh, operates in the professional service sector and offers services like audit, advisory, and compliance. While the firm may not have significant direct environmental impact, its influence is evident through the clients it serves.

The firm's role in guiding clients on sustainability reporting and ESG practices makes it a critical player in the green accounting landscape. According to Rahman et al. (2021), CA firms in Bangladesh are evolving to meet the demands of sustainability assurance and green audit services, particularly in response to stakeholder pressure and regulatory expectations.

Through its professional services, Hossain & Hossain contributes to:

- Encouraging client companies to adopt green disclosure frameworks
- Conducting environmental assurance as part of ESG audits
- Promoting transparency and stakeholder trust in sustainability reporting

This alignment with green accounting practices indirectly influences the firm's performance by enhancing its corporate reputation, client satisfaction, and long-term viability in a competitive market. However, Green accounting information disclosure has emerged as a crucial practice for promoting corporate social responsibility and environmental protection. Studies have found that this practice not only enhances a company's social image but also improves its long-term financial performance (Zhu, 2024). The implementation of green accounting and corporate social responsibility disclosure significantly affects financial performance, which in turn impacts firm value (Lusiana et al., 2021). Green accounting has been shown to have a positive impact on both financial and environmental performance, driven by improved consumer perception and increased sales volume (Yoshi, 2012). A meta-analysis of 68 studies revealed a positive association between corporate green accounting and firm

performance, particularly when measured in terms of environmental costs (Khan & Gupta, 2023).

These findings suggest that integrating environmental costs into financial accounting frameworks can benefit both companies and policymakers in promoting sustainable development and environmental protection.

2.7 Adoption of Green Accounting Practices in Professional Services: Evidence from Hossain & Hossain Chartered Accountants

This report highlight the adoption of green accounting practices in the professional services sector. Hossain & Hossain Chartered Accounting is one of the leading CA firms in Bangladesh, the study explores how the firm incorporates green accounting principles internally and assists clients in adopting sustainable reporting practices.

Green Accounting Practices Adopted

Internal Initiatives

- The firm has introduced eco-friendly policies such as minimizing paper usage, encouraging digital documentation, and promoting energy-saving practices.
- Employees are regularly engaged in awareness sessions about sustainability and green office practices.

Client Advisory and Reporting

- Hossain & Hossain advises clients on environmental cost disclosure and helps integrate environmental impacts into annual financial statements.
- The firm supports clients in preparing ESG (Environmental, Social, and Governance) reports and aligning with sustainability goals.

- It provides consultancy on environmental compliance and assists in audits related to sustainability reporting.

Capacity Building

- The firm participates in training and development programs related to environmental finance and reporting.
- Staff members are encouraged to stay updated with international frameworks such as the Global Reporting Initiative (GRI) and IFRS Sustainability Standards.

2.8 Research Gap

Hare some potential research gaps in the literature on Green Accountants (GA)Practices in the Hossain & Hossain Chartered Accountants professional services sectors:

Limited sector-specific research: Much of the existing research on green accounting emphasizes manufacturing, extractive, or high-profile industries that have direct environment impacts. However, there is a scarcity of empirical studies exploring how green accounting practices are adopted within the professional service sector (such as audit and advisory firms), which primarily influence sustainability indirectly through client advisory and assurance services.

Insufficient evidence from developing economies: while green accounting adoption is well-studied in developed economies, there is limited research in the context of Bangladesh studies rarely address how socio-economic, culture, and regulatory conditions in developing countries affect the implementation and disclosure of green accounting information in professional service firms.

Impact on firm reputation and client trust: Prior studies often focus on the financial performance outcomes of green accounting practices. However, there is a gap in exploring how green accounting influence intangible benefits such as client trust, corporate reputation, and stakeholder relationships factors highly relevant for CA firms like Hossain & Hossain Chartered Accountants

Integration with global sustainability standards: Although frameworks like GRI and FIRS suitability standards are increasingly promoted, there is limited research on how CA firms in Bangladesh integrate these standards into advisory practices and internal operation, and what challenges they face in doing so.

Capacity building an employee readiness: Few studies investigate the role of employee skills, training, and awareness in the successful adoption of green accounting in professional service firm. This create a gap in understanding the human capital dimension of green accounting adoption.

Lack of longitudinal studies: Most research provides a cross-sectional perspective of green accounting disclosure and its impact. There is a lack of longitudinal studies that assess how sustained adoption of green accounting practices influence firm performance and client services over time in the profession services sector.

Chapter-3

Company Profile

3.1 Firm Preface

Hossain & Hossain Chartered Accountants is one of the well-established professional accounting firms in Bangladesh, known for delivering high-quality auditing, taxation, advisory, and consultancy services to a diverse range of clients.

The firm operates with the vision of promoting transparency, accountability, and good governance in financial practices. Its team is comprised of experienced Chartered Accountants, qualified professionals, and skilled support staff who work with a strong commitment to ethical standards and professional excellence, Hossain & Hossain has positioned itself as a trusted partner for businesses, non-governmental organizational, financial instructional, and government bodies.

The firm follows both national and international accounting and auditing standards, ensuring reliability and credibility in all its services.

3.2 History

Hossain & Hossain Chartered Accountants was established in 2023 with the vision of becoming a trusted professional service provider in the fields of audit, taxation, advisory, and consultancy**.** Despite being a relatively new entrant in the accounting profession of Bangladesh, the firm quickly positioned itself as a promising name through its emphasis on professional ethics, transparency, and client-focused services.

Since its inception, the firm has been working with a diverse range of clients, including**,** private companies, NGOs, and business enterprises**,** offering services such as statutory audits, internal audits, VAT and income tax consultancy, financial reporting, and business advisory.

Hossain & Hossain places a strong focus on equipping young professionals with practical exposure and hands-on training, thereby contributing to the development of skilled accountants in Bangladesh. Within a short span of time, the firm has built a reputation for quality assurance, compliance with International Standards on Auditing (ISA), and adherence to Bangladesh's regulatory frameworks**.** With a team of dedicated partners, qualified chartered accountants, and articled students, Hossain & Hossain (Chartered Accountants) continues to expand its professional footprint and aims to become one of the leading firms in the accounting and auditing sector of Bangladesh.

3.3 Corporate Vision

Our vision is to establish Hossain & Hossain (Chartered Accountants) as the premier professional services firm in Bangladesh, renowned for delivering exceptional quality, innovative solutions, and unwavering integrity in audit, tax, financial advisory, and consulting services. We aspire to be a trusted partner to our clients by continuously enhancing value through cutting-edge practices and advanced technology. Committed to fostering sustainable business practices, we aim to support economic growth and development in Bangladesh by promoting transparency, accountability, and environmental responsibility across all sectors we serve. Through our dedication to professional excellence and ethical standards, we seek to inspire confidence and contribute meaningfully to the long-term success of our clients, employees, and the communities in which we operate.

3.4 Corporate Mission

The mission of the firm is to provide reliable, efficient, and client-oriented audit, tax, and advisory services by leveraging comprehensive technical expertise alongside a profound understanding of clients' specific needs. The firm is dedicated to upholding the highest standards of professional ethics and ensuring strict adherence to all applicable regulatory requirements. Through these commitments, the firm aims to generate sustainable, long-term value for its clients, stakeholders, and the wider society.

Core Value

- **Integrity** – Conducting all business activities with honesty, fairness, and strong moral principles.
- **Excellence** – Striving for continuous improvement and delivering services that exceed client expectations.
- **Confidentiality** – Maintaining the highest level of confidentiality in handling clients' sensitive information.
- **Accountability** – Taking full responsibility for commitments, actions, and results.
- **Innovation** – Continuously adopting advanced methods, tools, and best practices to improve service quality.

- **Client-Centric Approach** – Understanding and addressing the unique needs of each client.

3.5 Services

Hossain & Hossain provides quality services to a diverse and wide range of clients in the private and public sectors in Bangladesh. It also provides services to international development agencies and expatriate consultants working in different projects. The services are:

Audit & Assurance

- ✓ Statutory audit
- ✓ Internal audit
- ✓ Special audit
- ✓ Cost audit
- ✓ Compliance audit
- ✓ Forensic audit
- ✓ Management audit
- ✓ Performance audit
- ✓ Forensic audit
- ✓ Interim audit
- ✓ NGOAB audit
- ✓ Donor audit

Tax and legal advice

- ✓ Corporate & individual tax planning
- ✓ Personal Income Tax
- ✓ Deferred tax computation and application
- ✓ Indirect tax
- ✓ Tax investigations
- ✓ Designing VAT Management System and Compliance Audit
- ✓ Tax compliance and preparation of various tax returns
- ✓ Tax assessments and appeals
- ✓ Preparation of income tax returns

- ✓ Import Duty and Customs cases
- ✓ Inheritance tax planning
- ✓ International tax services
- ✓ Tax effective remuneration planning
- ✓ Tax investigations

Advisory

- ✓ Formation, incorporation, liquidation and winding up of companies
- ✓ Preparation and filing of Annual Return
- ✓ Formation and registration of companies and close corporations
- ✓ Maintenance of statutory records
- ✓ Conversions of companies and close corporations
- ✓ Amendments to and registration of statutory details
- ✓ Increase of share capital
- ✓ Change of company name
- ✓ Change of Articles & Memorandum
- ✓ Preparation of Special resolutions
- ✓ Advice on secretarial matters relating to the Companies Act.
- ✓ Management of Litigation
- ✓ Management of Legal Disputes
- ✓ License Issues
- ✓ Compliance with Relevant Laws & Regulations
- ✓ IP Rights (Logo, Trademarks, Copyrights)
- ✓ Correspondence with Corporate Regulatory Bodies
- ✓ Drafting, Reviewing & Providing Opinion on
- ✓ Legal Notice etc.

Consultancy

- ✓ Management Accounting Services
- ✓ Management Consultancy
- ✓ Structured financing advisory
- ✓ Business planning and project feasibility studies
- ✓ Standard operating procedures (SOP)

- ✓ Fixed assets management
- ✓ Accounts receivables management
- ✓ Payroll management
- ✓ Project appraisal
- ✓ Inventory Management
- ✓ Performance measurement

Outsourcing

- ✓ Accounts payable processing
- ✓ Payroll and payroll tax processing
- ✓ General ledger and financial statement processing
- ✓ Accounting services
- ✓ Preparation of management accounts and management information systems
- ✓ Preparation & Maintenance of books of accounts
- ✓ Support in day to day
- ✓ Book keeping and preparation of final accounts

Others

- ✓ Accountancy and management training
- ✓ Data processing with computers
- ✓ Privatization consultancy (includes pre-privatization review, restructuring, valuation in particular and privatization assistance in general)

3.6 Valued

Hossain & Hossain (Chartered Accountants) serves a diverse portfolio of clients across various industries, including manufacturing, trading, service, and non-profit sectors. The firm provides assurance, taxation, and advisory services to both local and multinational organizations. Key sectors served include:


USE OF
ONE FONT
McDonald's


ZISKA
PHARMA
Ziska Pharmaceuticals Ltd.




REVERIE


EUROVIGIL
ELECTRONIC SECURITY SOLUTIONS
Be Secure. For Sure.


Redland
ROOFING SYSTEMS


BISHAL
FACTORY


BUY HERE NOW
24/7 Express Service

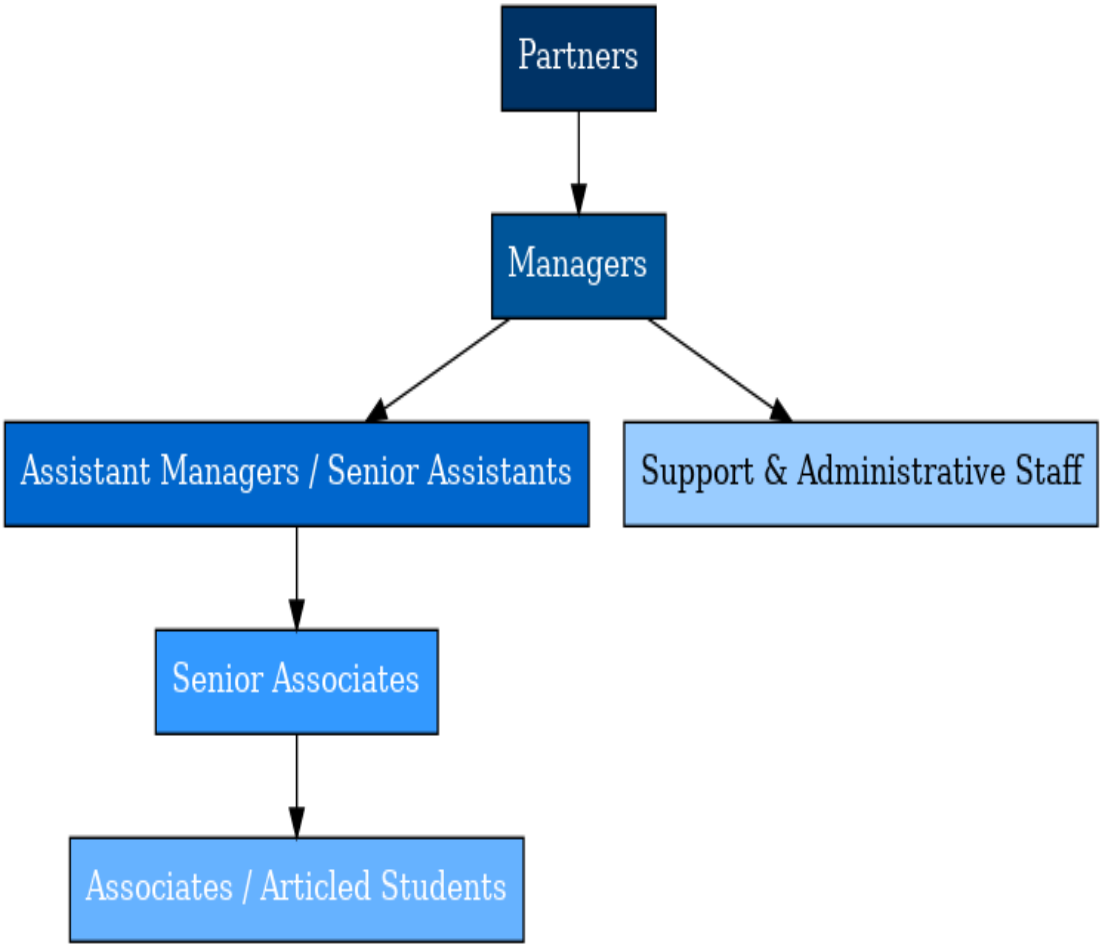

Universal
LP GAS নিরাপদ গ্যাস


gozayaan


BORO AGENCY


VISION
SLOGAN HERE

3.7 Organogram



3.8 Manpower Strength

Serial	Personnel Designation	Number
1.	**Partners**	2
2.	**Professional Staff:**	
	Qualified (CA & ACCA)	5
	Part Qualified /CA Course complete (CC)	8
	Other Professional Staff	4
3.	**Articled Student:**	
	Registered	15
	Probationary	7
	Prospective	10
4.	**ACCA Trainee**	2
5.	**Supporting Staff**	3
	Total	56

Chapter-4

Analysis and Findings

4.1 Analysis and Findings

This chapter presents the results of the empirical analysis conducted to examine the impact of corporate governance mechanisms and firm characteristics on firm performance, measured by return on assets (ROA). The chapter begins with descriptive statistics that provide an overview of the sample data, followed by the correlation matrix which explores the bivariate associations among the study variables. Subsequently, regression analyses are presented to test the hypotheses and identify the determinants of firm performance. The results include the model summary, ANOVA, and regression coefficients, which together highlight the explanatory power, statistical significance, and relative contribution of each predictor variable. The findings are interpreted in line with the research objectives and provide the basis for further discussion in the next chapter.

Table-1: Descriptive Statistics of Indicators

		Presence of Sustainability Committee	Environmental Policies	Environmental Products and Processes	Environmental Energy Usage	Environmental Financial Aspects
N	Valid	80	80	80	80	80
	Missing	0	0	0	0	0
Mean		.4500	.0000	.7250	.6625	.6750
Median		.0000	.0000	1.0000	1.0000	1.0000
Mode		.00	.00	1.00	1.00	1.00
Std. Deviation		.50063	.00000	.44933	.47584	.47133
Skewness		.205		-1.027	-.701	-.762
Std. Error of Skewness		.269	.269	.269	.269	.269
Kurtosis		-2.009		-.970	-1.549	-1.457
Std. Error of Kurtosis		.532	.532	.532	.532	.532
Minimum		.00	.00	.00	.00	.00
Maximum		1.00	.00	1.00	1.00	1.00

Source: SPSS output

The descriptive statistics show that environmental disclosure practices among the sampled firms are mixed. On average, only 45% of companies reported having a sustainability committee, while none disclosed formal environmental policies,

indicating a major gap in policy-level commitment. However, firms performed relatively better in reporting tangible practices, with 72.5% disclosing information on environmental products and processes, 66.3% on energy usage, and 67.5% on environmental financial aspects. The median and mode values of 1 for these three indicators suggest that more than half of the firms disclose them, even though variation exists as shown by the standard deviations. The skewness and kurtosis values, being mostly negative, further confirm that while disclosure is common in these areas, the distribution is somewhat skewed towards higher reporting. Overall, the findings highlight that while Bangladeshi firms tend to adopt operational environmental practices, strategic initiatives such as sustainability committees and formal policies remain largely absent.

Table-2: Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Total Assets	80	3.81	837145.18	343848.50	211101.75
PAT	80	18.87	8275.05	2453.591	1922.12
ROA (%)	80	.00	.49	.0339	.07133
Leverage	80	.00	1.91	.0526	.26603
Valid N (listwise)	80				

Source: SPSS output

The descriptive statistics indicate a wide variation in firm size and financial performance among the sampled companies. Total assets range from as low as 3.81 million to over 837,145 million, with a very high mean of 343,848 million and a large standard deviation, reflecting the dominance of a few very large firms in the sample. Profit after tax (PAT) also shows significant dispersion, ranging from 18.87 million to 8,275.05 million, with an average of 2,453.59 million, again highlighting substantial differences in profitability across firms. In contrast, the mean return on assets (ROA) is relatively low at 3.39%, with a small standard deviation, suggesting that most firms generate modest returns relative to their asset base. Leverage levels are also generally low, with an average of only 0.05, though the maximum value reaches 1.91, indicating that while most firms rely little on debt financing, a few firms are highly leveraged. Overall, the results reveal strong heterogeneity in size and profitability but relatively conservative financial structures across the sampled firms.

Pearson Correlation Matrix

	Total Assets	PAT	ROA	Leverage	Number of Directors	Number of Independent Directors	Number of Female directors	Number of Audit Committee Members	Number of AC Members with Professional degree	Presence of Sustainability Committee	GAD
Total Assets	1										
PAT	.632**	1									
ROA	-.029	.264*	1								
Leverage	-.286*	-.023	.084	1							
Number of Directors	-.035	.016	.710**	.222*	1						
Number of Independent Directors	-.073	-.153	-.277*	-.095	-.446**	1					
Number of Female directors	.014	.120	-.055	-.038	-.249*	-.163	1				
Number of Audit Committee Members	.029	-.061	-.205	-.074	-.378**	.188	.283*	1			
Number of AC Members with Professional degree	-.306**	-.187	-.179	-.081	-.234*	.554**	-.271*	.093	1		
Presence of Sustainability Committee	.005	.063	-.035	-.156	-.080	.161	-.071	.011	.324**	1	
GAD	-.148	.114	.146	-.086	.066	-.197	.250*	-.051	-.011	.264*	1

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

The correlation analysis reveals several important relationships between firm characteristics, governance, and sustainability indicators. Firm size, as measured by total assets, is strongly and positively correlated with profitability (PAT, $r = 0.632$, $p < 0.01$), but shows no significant link with ROA, suggesting that while larger firms generate higher absolute profits, their efficiency relative to assets is not necessarily better. Leverage is negatively associated with both total assets ($r = –0.286$, $p < 0.05$) and PAT, implying that larger and more profitable firms tend to rely less on debt financing. ROA demonstrates a strong positive correlation with the number of directors ($r = 0.710$, $p < 0.01$), highlighting that board size may enhance efficiency, although it is negatively related to independent directors ($r = –0.277$, $p < 0.05$), suggesting possible conflicts in monitoring effectiveness. Interestingly, the number of audit committee members is negatively correlated with board size ($r = –0.378$, $p < 0.01$), while the presence of professionally qualified audit committee members is positively associated with independence ($r = 0.554$, $p < 0.01$) but negatively with board size and female directors. In terms of sustainability, the presence of a sustainability committee is significantly associated with having professionally qualified audit members ($r = 0.324$, $p < 0.01$) and with the gender diversity variable GAD ($r = 0.264$, $p < 0.05$), suggesting that governance structures with stronger technical expertise and greater gender inclusiveness are more likely to adopt sustainability practices. Overall, the results emphasize complex interdependencies between firm size, governance structures, and sustainability commitment.

Table-3: Model Summary

R	R^2	Adj. R^2	Std. Error	Change Statistics					Durbin-Watson
				R Square Change	F Change	df1	df2	Sig. F Change	
.740[a]	.548	.489	.05097	.548	9.414	9	70	.000	1.108

a. Predictors: (Constant), GAD, Number of AC Members with Professional degree (CA, CMA, ACCA), Number of Audit Committee Members, Leverage, Presence of Sustainability Committee, Number of Directors, Log form of Total Assets, Number of Female directors, Number of Independent Directors

b. Dependent Variable: ROA

Source: SPSS output

The regression model explains a substantial proportion of the variation in firm performance, as measured by ROA. The model yielded an RRR value of 0.740, with an

R2R^2R2 of 0.548, indicating that approximately 55% of the variance in ROA is explained by the selected governance, sustainability, and firm-level variables. The adjusted R2R^2R2 of 0.489 suggests that the explanatory power remains strong even after accounting for the number of predictors included in the model, confirming the model's robustness. The standard error of estimate (0.051) is relatively low, showing that the predicted values are close to the observed ROA. The change statistics further confirm that the model is statistically significant ($F = 9.414$, $p < 0.001$), implying that the predictors jointly contribute to explaining ROA. Moreover, the Durbin-Watson statistic of 1.108 indicates the absence of serious autocorrelation issues in the residuals, reinforcing the reliability of the model. Overall, the results suggest that governance attributes, gender diversity, and sustainability practices collectively play a meaningful role in shaping firm profitability in the sample.

Table-4: Analysis of Variance

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.220	9	.024	9.414	.000[b]
	Residual	.182	70	.003		
	Total	.402	79			

a. Dependent Variable: ROA

b. Predictors: (Constant), GAD, Number of AC Members with Professional degree (CA, CMA, ACCA), Number of Audit Committee Members, Leverage, Presence of Sustainability Committee, Number of Directors, Log form of Total Assets, Number of Female directors, Number of Independent Directors

Source: SPSS output

The ANOVA results confirm that the regression model is statistically significant in explaining variations in ROA. The regression sums of squares (0.220) accounts for more than half of the total variation (0.402), while the residual sum of squares is considerably lower (0.182), indicating that much of the variation in ROA is captured by the predictors. The calculated F-value of 9.414, with a significance level of $p < 0.001$, provides strong evidence that the combined set of independent variables—covering governance attributes, gender diversity, sustainability practices, and firm size—jointly exert a significant influence on firm profitability. This finding reinforces the validity of the model and highlights that these factors, taken

together, provide a meaningful explanation for differences in firm performance among the sampled companies.

Table-5: Coefficient of Variables

Items	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	-.007	.053		-.127	.899		
Log form of Total Assets	-.002	.003	-.091	-.943	.349	.688	1.454
Leverage	-.027	.024	-.100	-1.134	.261	.836	1.196
Number of Directors	.009	.001	.814	7.987	.000	.622	1.607
Number of Independent Directors	.002	.002	.131	1.210	.230	.549	1.821
Number of Female directors	.005	.005	.101	1.012	.315	.651	1.536
Number of Audit Committee Members	.003	.004	.066	.722	.473	.762	1.312
Number of AC Members with Professional degree (CA, CMA, ACCA)	-.004	.006	-.081	-.702	.485	.480	2.085
Presence of Sustainability Committee	.001	.013	.010	.106	.916	.783	1.278
GGAD	.020	.023	.078	.863	.391	.790	1.266

a. Dependent Variable: ROA (%)

Source: SPSS output

The coefficient analysis provides insights into the relative influence of governance and sustainability variables on firm profitability (ROA). Among the predictors, the number of directors emerges as the only statistically significant determinant ($\beta = 0.814$, $t = 7.987$, $p < 0.001$), suggesting that larger boards are positively associated with improved

firm performance. This finding supports the view that a greater diversity of expertise and perspectives within the board enhances monitoring and decision-making effectiveness, thereby improving efficiency. Other governance variables such as independent directors, female directors, and audit committee composition (both size and professional expertise) exhibit positive but statistically insignificant effects on ROA, implying that their presence alone may not directly translate into performance gains. Similarly, firm-level characteristics like total assets (size) and leverage show negative but insignificant relationships with ROA, indicating that neither firm scale nor reliance on debt financing substantially drives profitability in the sample. The presence of a sustainability committee and gender diversity (GAD) also fail to show significant impacts, although their positive coefficients suggest a potential, albeit weak, contribution to firm performance. Importantly, the collinearity statistics (VIF < 2 for all predictors) confirm that multicollinearity is not a concern, and the results can be considered reliable. Overall, the analysis highlights board size as the key governance factor influencing profitability, while other governance and sustainability variables appear to play only supportive or indirect roles in determining firm outcomes.

Chapter-05

Discussion

5.1 Introduction

This chapter discusses the empirical findings presented in the previous section in the context of corporate governance, sustainability practices, and firm performance in Bangladesh. Drawing upon agency theory, resource dependence theory, and stakeholder theory, the analysis highlights how governance mechanisms and sustainability initiatives affect profitability (ROA). The discussion also compares the study's results with prior research in both developed and emerging markets, thereby situating the findings within the broader literature.

5.2 Firm Characteristics and Financial Performance

The descriptive statistics revealed considerable heterogeneity in firm size and profitability among the sampled companies. While some firms possess extremely large asset bases and high profit after tax (PAT), the average return on assets (ROA) remains modest at only 3.39%. This indicates that larger asset holdings do not necessarily translate into efficiency, consistent with studies in emerging economies where resource utilization is often constrained by managerial inefficiencies and weak institutional environments (Abdullah, 2018; Rashid, 2020). Moreover, the relatively low leverage ratios observed suggest that Bangladeshi firms adopt conservative financing structures, echoing the findings of Nguyen and Huynh (2021) in Southeast Asian contexts, where firms prefer equity-based growth to mitigate risks associated with underdeveloped capital markets.

5.3 Corporate Governance and Firm Performance

The regression analysis demonstrated that board size is the most significant determinant of firm profitability, with a strong positive effect on ROA. This supports resource dependence theory, which argues that larger boards provide diverse expertise, external linkages, and enhanced monitoring capacity that benefit firm performance (Hillman & Dalziel, 2003). Similar results have been reported in other emerging markets, where larger boards are associated with improved strategic decision-making and stronger compliance (Kyereboah-Coleman, 2007; Ujunwa, 2012).

However, the insignificant relationship between independent directors and profitability contrasts with the agency theory perspective, which posits that independent directors enhance oversight and reduce managerial opportunism (Fama & Jensen, 1983). The negative but insignificant correlation observed in this study suggests that the role of

independents in Bangladesh may be symbolic rather than substantive, reflecting the challenges of regulatory enforcement and the limited authority of outside directors (Rashid, 2011).

Similarly, female directors showed a positive but statistically insignificant association with firm performance. While prior research in developed economies (e.g., Carter et al., 2003; Post & Byron, 2015) has highlighted the value of gender diversity in fostering innovation and stakeholder trust, the findings here align with studies in South Asia indicating that token representation of women on boards often limits their real influence (Mahadeo et al., 2012; Hossain et al., 2019).

The audit committee variables also produced mixed outcomes. Neither the size of the committee nor the presence of professionally qualified members showed significant effects on ROA, although the latter correlated positively with the existence of sustainability committees. This result resonates with Al-Mamun et al. (2014), who found that in Bangladesh, audit committees often exist to meet compliance requirements rather than to actively enhance governance quality. The weak link with profitability suggests that audit committee effectiveness depends on broader institutional support and enforcement mechanisms.

5.4 Sustainability Practices and Firm Performance

The descriptive statistics indicated that while operational sustainability disclosures (e.g., environmental products, processes, and energy use) are relatively common among Bangladeshi firms, formal structures such as sustainability committees and environmental policies are largely absent. This reflects the broader South Asian trend where firms prioritize external reporting of sustainability practices to meet stakeholder pressures rather than embedding sustainability into governance structures (Belal & Owen, 2015).

The regression results showed that the presence of a sustainability committee had no significant effect on ROA, in line with studies suggesting that such committees often play a symbolic role in emerging markets (Khan, Muttakin, & Siddiqui, 2013). Nonetheless, the positive direction of the coefficient implies potential for future impact as sustainability governance matures. From a stakeholder theory perspective, firms that adopt stronger sustainability structures may benefit in the long term through enhanced legitimacy, risk management, and access to capital (Freeman, 1984; Eccles et al., 2014).

Interestingly, gender diversity (GAD) was positively but insignificantly related to sustainability committee presence, suggesting that more inclusive boards may be more inclined to adopt sustainability practices. This aligns with evidence from European markets where gender-diverse boards are linked to stronger environmental and social disclosures (Ben-Amar, Chang, & McIlkenny, 2017), though the weak statistical significance in Bangladesh suggests that institutional and cultural barriers still limit the effectiveness of such mechanisms.

5.5 Theoretical Implications

The findings carry several theoretical implications:

Agency theory receives only partial support. While larger boards improve monitoring and positively affect profitability, the ineffectiveness of independent directors suggests that agency costs are not adequately mitigated in the Bangladeshi context.

Resource dependence theory is strongly supported, as board size—representing access to diverse resources—was the strongest predictor of performance.

Stakeholder theory finds limited evidence, as sustainability committees and environmental policies do not yet significantly contribute to firm profitability. This implies that stakeholder pressures in Bangladesh are weaker compared to developed economies, where sustainability performance increasingly drives financial outcomes.

5.6 Comparison with Prior Studies

These results both converge with and diverge from international findings. Consistent with studies in emerging economies (Ujunwa, 2012; Al-Mamun et al., 2014), governance mechanisms in Bangladesh exhibit limited effectiveness, except for board size. However, in contrast to evidence from developed markets where independent directors and gender diversity have clear performance implications (Post & Byron, 2015), the weak results here suggest that governance reforms in Bangladesh remain compliance-driven rather than substantive.

On sustainability, the findings echo Belal and Owen (2015) and Khan et al. (2013), who noted that Bangladeshi firms often disclose sustainability information superficially. Compared to global studies linking sustainability governance with improved firm value

(Eccles et al., 2014), the absence of significant effects here underscores the institutional voids and enforcement gaps in the local setting.

5.7 Practical Implications

For regulators and policymakers, the findings highlight the need to strengthen the role of independent directors and ensure that audit committees function effectively rather than symbolically. Corporate boards should recognize the strategic value of sustainability committees and formal environmental policies, which may not yield immediate financial returns but can enhance legitimacy, stakeholder trust, and long-term competitiveness. Moreover, greater inclusion of women on boards must move beyond tokenism to ensure meaningful participation.

Chapter-6

Implication, Recommendation & Conclusion

6.1 Prelude

This study aimed to investigate the impact of green accounting information disclosure on the performance of commercial banks in Bangladesh over the period from 2019 to 2023. The research focused on four core components of green accounting environmental policies, environmentally friendly products and processes, energy usage, and financial disclosures related to sustainability activities are using the Green Accounting Disclosure Index (GADI). The findings indicate a gradual improvement in disclosure practices among commercial banks, although inconsistencies remain across institutions. Importantly, banks with higher disclosure levels demonstrated stronger financial performance, suggesting that green accounting not only supports regulatory compliance but also serves as a strategic tool to enhance operational efficiency, stakeholder trust, and long-term sustainability. These insights underscore the relevance of integrating environmental accountability into corporate reporting and highlight the potential benefits of transparent and comprehensive green accounting practices for both financial and non-financial performance.

6.2 Implication (Practice of Research)

The results of this study provide meaningful insights and practical implications for various stakeholders in the banking and financial sector. For banks, the adoption of comprehensive sustainability practices has the potential to improve operational efficiency, mitigate environmental risks, and enhance stakeholder confidence, which in turn may contribute to better financial performance and long-term organizational sustainability. From a regulatory perspective, the inconsistencies observed in green accounting disclosures highlight the need for standardized reporting frameworks. Implementing uniform guidelines would promote transparency, enable meaningful comparisons across institutions, and strengthen accountability throughout the sector. For investors, access to clear and quantifiable environmental information facilitates more informed decision-making by allowing them to consider both financial outcomes and sustainability-related risks, thereby supporting responsible investment strategies. Similarly, accounting and professional service firms, such as Hossain & Hossain Chartered Accountants, can play a critical advisory role by assisting banks in integrating ESG and sustainability practices into their reporting frameworks. Such interventions not only reinforce corporate governance and the credibility of sustainability reporting but also encourage adherence to best practices. Overall, the

integration of green accounting into corporate reporting extends beyond mere regulatory compliance, functioning as a strategic tool that enhances competitiveness, promotes sustainable business practices, and fosters long-term value creation for organizations and their stakeholders.

6.3 Limitation of the study

Despite its contributions, this study has several limitations. The sample includes only 16 commercial banks, which may restrict the generalizability of the findings to the broader banking sector or other industries. The analysis relies solely on secondary data collected from annual reports and public documents, which may not fully reflect the practical implementation or effectiveness of the disclosed green accounting initiatives. Furthermore, the study period of five years (2019–2023) limits the assessment of long-term trends and the sustained impact of green accounting on financial performance. These limitations suggest that while the findings are insightful, caution should be exercised when generalizing the results to other contexts or timeframes.

6.4 Recommendation for Future Research

Future research can build upon the findings of this study by addressing its limitations. Expanding the sample size to include additional banks or other financial institutions would enhance the generalizability of the results. Incorporating primary data, such as interviews or surveys with bank officials, could provide deeper insights into the practical implementation and challenges of green accounting practices. Longitudinal studies covering extended periods would allow for a more comprehensive understanding of trends, sustainability impacts, and the long-term financial benefits of green accounting disclosure. Additionally, comparative studies across different countries or regulatory environments could offer valuable perspectives on best practices and policy implications.

6.5 Conclusion

In conclusion, this study demonstrates that green accounting information disclosure positively influences the financial performance of commercial banks in Bangladesh. While disclosure practices have improved over the study period, variations in quality and comprehensiveness persist. The findings highlight that transparent and systematic environmental reporting not only fulfills regulatory requirements but also provides strategic advantages, including improved operational efficiency, stronger stakeholder

trust, and enhanced corporate reputation. By integrating green accounting into routine reporting practices, banks can achieve both financial and sustainability objectives, contributing to long-term organizational success and the broader goal of sustainable development.

Bibliography

Books:

Audit and Assurance: https://www.icab.org.bd/icabadmin/uploads/ckeditor/2934Audit%20&%20Assurance%20(2021)-final.pdf

Green Accounting and Sustainability:https://online.hilbert.edu/blog/green-accounting-and-sustainability-reporting/

Journals:

Abdullah, H. (2018). Corporate governance and firm performance in emerging economies: Evidence from South Asia. International Journal of Business Research, 18(2), 45–62.

Ahmed, W. Y., Al-Shammari, S. A. N., & Al-Anbagi, A. T. K. (2021). The role of green accounting information in improving the quality of accounting information. *Studies of Applied Economics*, *39*(11). https://doi.org/10.25115/eea.v39i11.5991

Al-Mamun, A., Yasser, Q. R., Entebang, H., & Nathan, T. M. (2014). Audit committee and earnings management: A study of the Malaysian manufacturing sector. Asian Review of Accounting, 22(2), 145–163.

Andi, A., Lolo, K. P., Habbe, H., & Andi, M. K. (2020). Green accounting and its implementation in Indonesia. *Efektor*, *7*(1), 59-72. https://doi.org/10.29407/e.v7i1.14414

Belal, A. R., & Owen, D. (2015). The rise and fall of stand-alone social reporting in a multinational subsidiary in Bangladesh: A case study. Accounting, Auditing & Accountability Journal, 28(7), 1160–1192.

Ben-Amar, W., Chang, M., & McIlkenny, P. (2017). Board gender diversity and corporate response to sustainability initiatives. Journal of Business Ethics, 142(2), 369–383.

Carter, D. A., Simkins, B. J., & Simpson, W. G. (2003). Corporate governance, board diversity, and firm value. Financial Review, 38(1), 33–53.

Chairia, C., Ginting, J. V. B., Ramles, P., & Ginting, F. (2022). Implementasi Green Accounting (Akuntansi Lingkungan) Di Indonesia: Studi Literatur. *Financial: Jurnal Akuntansi*, *8*(1), 40-49. https://doi.org/10.37403/financial.v8i1.368

Doan, M. H., & Sassen, R. (2020). The relationship between environmental performance and environmental disclosure: A meta-analysis. *Journal of Industrial Ecology*, *24*(5), 1140-1157. https://doi.org/10.1111/jiec.13002

Eccles, R. G., Ioannou, I., & Serafeim, G. (2014). The impact of corporate sustainability on organizational processes and performance. Management Science, 60(11), 2835–2857.

Erstiawan, M. (2024). Mapping Green Accounting Research Trends in Indonesia: A Systematic Literatur Review Perspective from 2017 to 2024. *GREENOMIKA*, *6*(2), 143-161. https://doi.org/10.55732/unu.gnk.2024.06.2.5

Fama, E. F., & Jensen, M. C. (1983). Separation of ownership and control. Journal of Law and Economics, 26(2), 301–325.

Freeman, R. E. (1984). Strategic management: A stakeholder approach. Pitman.

Hillman, A. J., & Dalziel, T. (2003). Boards of directors and firm performance: Integrating agency and resource dependence perspectives. Academy of Management Review, 28(3), 383–396.

Hossain, M., Farooque, O. A., & Muttakin, M. B. (2019). Board gender diversity and firm performance: Evidence from an emerging economy. Gender in Management, 34(5), 405–423.

Khairin, F. N., Sukoharsono, E. G., & Roekhudin, B. H. (2019). The "Green" Term and Accounting Education. *The International Journal of Accounting and Business Society*, *28*(2), 1-16. https://doi.org/10.21776/UB.IJABS.2020.28.2.1

Khan, A., Muttakin, M. B., & Siddiqui, J. (2013). Corporate governance and corporate social responsibility disclosures: Evidence from an emerging economy. Journal of Business Ethics, 114(2), 207–223.

Khan, S., & Gupta, S. (2024). The interplay of sustainability, corporate green accounting and firm financial performance: a meta-analytical investigation. *Sustainability Accounting, Management and Policy Journal*, *15*(5), 1038-1066. https://doi.org/10.1108/sampj-01-2022-0016

Kyereboah-Coleman, A. (2007). Corporate governance and firm performance in Africa: A dynamic panel data analysis. Studies in Economics and Econometrics, 31(2), 1–24.

Lusiana, M., Haat, M. H. C., Saputra, J., Yusliza, M. Y., Muhammad, Z., & Bon, A. T. (2021, March). A review of green accounting, corporate social responsibility disclosure, financial performance and firm value literature. In *Proceedings of the International Conference on Industrial Engineering and Operations Management* (pp. 5622-5640). https://doi.org/10.46254/an11.20210952

Mahadeo, J. D., Soobaroyen, T., & Hanuman, V. O. (2012). Board composition and financial performance: Uncovering the effects of diversity in an emerging economy. Journal of Business Ethics, 105(3), 375–388.

Mylonakis, J., & Tahinakis, P. (2006). The use of accounting information systems in the evaluation of environmental costs: a cost–benefit analysis model proposal. *International journal of energy research*, *30*(11), 915-928. https://doi.org/10.1002/er.1194

Nguyen, T., & Huynh, Q. (2021). Capital structure and firm performance in emerging markets. Journal of Asian Business Studies, 15(3), 455–472.

Post, C., & Byron, K. (2015). Women on boards and firm financial performance: A meta-analysis. Academy of Management Journal, 58(5), 1546–1571.

Rashid, A. (2011). Corporate governance in Bangladesh: A quest for the accountability or legitimacy crisis? Research in Accounting in Emerging Economies, 11(1), 1–34.

Rashid, A. (2020). Board independence and firm performance: Evidence from Bangladesh. International Journal of Finance & Economics, 25(3), 403–417.

Sadiku, M. N., Ashaolu, T. J., Adekunte, S. S., & Musa, S. M. (2021). Green accounting: A primer. *International journal of scientific advances*, *2*(1), 60-62. https://doi.org/10.51542/IJSCIA.V2I1.10

Shen, S., Xie, J., Fujii, H., Keeley, A. R., & Managi, S. (2025). Does environmental materiality matter to corporate financial performance: Evidence from 34 countries. *Corporate Social Responsibility and Environmental Management*, *32*(2), 2390-2411. https://doi.org/10.1002/csr.3062

Tjoa, E. V., & Widianingsih, L. P. (2022). Green accounting, environmental performance, and profitability: empirical evidence on high profile industry in Indonesia. https://doi.org/10.33508/rima.v5i2.4158

Ujunwa, A. (2012). Board characteristics and the financial performance of Nigerian quoted firms. Corporate Governance: The International Journal of Business in Society, 12(5), 656–674.

Zhu, X. (2024, September). Analysis of the Impact of Green Accounting Information Disclosure on Corporate Financial Performance. In *Modern Economic Management Forum* (Vol. 2, No. 3). https://doi.org/10.18686/memf.v2i3.4535