GREEN FINANCE: UNLOCKING THE POTENTIAL OF SUSTAINABLE INVESTMENT FOR FUTURE BUSINESS GROWTH

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Abstract

Climate change has become one of the greatest challenges of this century, affecting global economic stability as well as business performance and growth. Green investments are needed to mitigate these negative impacts, integrating sustainability into business operations which in turn can benefit companies in the long term. Green finance is key to ensuring sustainable business growth and effective handling of environmental issues. This research aims to examine how environmentally friendly finance can support sustainable growth and its impact on the global economy. The research method used is a descriptive qualitative approach, relying on data from previous studies that are relevant to the topic. Data processing through thematic analysis aims to identify patterns and gain in-depth insight into the implementation and impact of environmentally friendly finance. The research results show that the implementation of environmentally friendly finance is essential for long-term economic stability and growth. Sustainability-oriented investments improve a company's reputation, attract investors, and support financial stability. However, there are significant challenges in its implementation related to internal resistance and regulatory barriers. Effective strategies involve cooperation between governments and international institutions to create supportive incentives and frameworks. Education and training for players in the financial sector are also critical to increasing understanding and skills in environmentally friendly financial applications.

Keywords: Environmentally Friendly Finance, Sustainable Investment, Business Growth.

A. INTRODUCTION

Amid increasing global awareness of climate change and environmental sustainability issues, businesses and financial markets face significant challenges and opportunities. Global warming, environmental degradation, and depletion of natural resources are forcing companies to rethink their operations and integrate more sustainable practices. This is not only an ethical imperative but also a strategic one, with investors and consumers now more likely to choose companies that are committed to sustainable practices (Olujobi et al., 2023).

Climate change and social pressures are now leading companies to adopt business models that prioritize sustainability. Government policies and stricter regulations regarding carbon emissions and waste management are the main reasons for companies to adopt financial strategies that support environmental initiatives. Additionally, long-term risks associated with climate change, such as rising raw material prices and operational disruptions, reinforce the need for sustainability-focused investments (Alonso-Martinez et al., 2021).

Environmentally friendly investments or what is often called "green finance" are increasingly gaining momentum in response to this need. Investors are starting to see sustainability as an important parameter in making investment decisions, not only based on financial returns but also on social and environmental impacts. This is evident from the increasing flow of funds to assets that support clean energy, environmentally friendly technology, and projects that have a positive impact on the environment (Becchetti et al., 2022).

On the other hand, the global COVID-19 pandemic has also shown how important resilience and adaptability are in business operations. This crisis has made it clear that companies with a strong commitment to sustainable practices tend to be more resilient to economic disruption. Thus, green finance not only supports the transition to a greener economy but also helps companies build business resilience (Purnomo et al., 2021).

The emergence of new standards and frameworks in sustainability reporting and sustainable finance, such as the Global Sustainability Reporting Standards (GRI) and the UN Principles for Responsible Investment (PRI), also supports transparency and accountability in green finance practices. These initiatives encourage companies to consider not only economic factors but also the social and environmental impacts of their operations (Zetzsche et al., 2022).

However, despite significant progress, challenges remain in the full integration of green finance into mainstream business strategies. Companies still struggle to accurately measure and report environmental impacts, and there remains a lack of understanding of how green finance can be implemented effectively without sacrificing profits (Hafner et al., 2020).

Therefore, it is important to examine more deeply how environmentally friendly finance can facilitate sustainable growth, which not only pays attention to financial returns but also long-term benefits to the environment and society. Understanding these dynamics will provide valuable insights for stakeholders across all sectors to harness the full potential of sustainable investments and lead us toward a greener, more sustainable future.

B. LITERATURE REVIEW

1. Green Finance

Generally, green finance refers to the acquisition and utilization of capital for initiatives that aim to safeguard the environment while also delivering equitable returns to investors or financiers. It encompasses funding for green investments in both the public and private sectors. Green finance initiatives yield economic advantages that support a sustainable environment (Dziwok & Jäger, 2021). This includes investments in environmental products and services, as well as projects that lessen environmental and climate impacts. Moreover, within the realm of public policy, green finance is involved in funding government policies that promote projects

or actions designed to protect the environment or mitigate environmental harm (Wang et al., 2022).

Green finance initiatives are designed to boost financial flows from financial institutions to entities engaged in projects and activities that safeguard the environment, supporting the achievement of sustainable development objectives. Green finance facilitates the long-term progress of intelligent urban areas and stimulates economic growth. Investing in green projects can diminish both long-term and short-term carbon emissions (Dikau & Volz, 2021). Green finance is particularly attractive to institutional investors. It offers diversification advantages for investors in corporate and securities markets. Expanding green financing may lead to a decrease in investments in fossil fuel operations that negatively impact the environment and climate (Naqvi et al., 2022).

The urgency to mitigate environmental harm from fossil fuel emissions has sparked a shift from investing in fossil fuel-based activities to funding projects that support low-carbon and environmentally sustainable initiatives. This shift is relevant on both national and international stages. At the national level, several countries including Canada, Japan, Mexico, and the United Kingdom have enacted policy measures to increase public awareness about the adverse impacts of fossil fuel emissions on the climate and the risks associated with climate change (Eljack & Kazi, 2021). On the global front, countries have endorsed the Paris Agreement, a legally binding global accord on climate change mitigation, aiming to cap global warming. Participants of the UN Conference on Climate Change, referred to as COP26, have pledged to cut down greenhouse gas emissions significantly. To fulfill the objectives of the Paris Agreement and commitments under COP26, substantial financial resources must be allocated. These resources are commonly known as green finance or green financial instruments (Liu et al., 2020). Transitioning to "low carbon" or "environmentally friendly" economic practices necessitates new investments to cater to the burgeoning needs of the rapidly expanding green economy. Consequently, proponents of the green economy recommend green finance as an effective strategy to address the financing requirements of individuals, businesses, and governments dedicated to sustainable environmental protection (Sartzetakis, 2021).

2. Sustainable Investment

Sustainable investing is an approach to asset management and resource allocation that aims to incorporate environmental, social, and corporate governance (ESG) sustainability principles into investment decisions. This approach not only considers potential financial returns but also the long-term effects of the investment on the planet and society. In this concept, sustainable investment is directed at achieving financially profitable results while ensuring justice, environmental health, and social progress (Dmuchowski et al., 2023).

The main goal of sustainable investing is to encourage the adoption of more responsible business practices. Investors who adopt this approach often look for companies that not only have solid financial performance, but also demonstrate a strong commitment to sustainability issues such as energy efficiency, sustainable use of resources, and ethical employment (Barauskaite & Streimikiene, 2021). They use a variety of analytical methods to ensure that their investments do not support

companies or projects that harm the environment or society, such as companies that produce hazardous waste or that have a poor track record on human rights (Zhao et al., 2022).

In practice, sustainable investment can include the purchase of shares in 'green' companies, bonds dedicated to financing sustainable projects, or even direct funding to start-up businesses focused on environmentally friendly technologies or other sustainability solutions. This approach also often involves avoiding investment in industries deemed destructive such as coal mining or weapons production (Taghizadeh-Hesary & Yoshino, 2020).

Sustainable investments also play an important role in addressing global challenges such as climate change, social inequality, and the need for sustainable development. By choosing to fund companies and projects that support these goals, sustainable investors not only seek to maximize financial value but also generate a positive impact on society and the environment as a whole (Barua, 2020).

However, sustainable investing is not without challenges. Assessment of ESG criteria is often complex and requires access to accurate and up-to-date information about company practices. There is also debate regarding how best to measure the impact of sustainable investments and assess the extent to which an investment meets the desired sustainability criteria (Hughes et al., 2021).

Despite these challenges, sustainable investing continues to grow as mainstream in the financial industry. With growing awareness of environmental and social issues, and more data supporting the link between sustainable business practices and strong financial results, investors are increasingly seeing sustainability as an important aspect in making investment decisions. This transformation signals an important shift in the way funds are collected and allocated, leading to a future where financial gain and social responsibility can go hand in hand (Cunha et al., 2021).

3. Business Growth

Business growth involves generating long-term value for an organization through customers, markets, and relationships. The standard process of business development is complex and involves critical decision-making, as it requires balancing various conflicting elements simultaneously. For instance, decisions must be made on how to reconcile competitive advantages with the exploration of new business opportunities (Tapaninaho & Heikkinen, 2022).

According to Ariana, the stages of small business growth are as follows:

a. Existence Stage

The Existence Stage is the initial stage of starting a business with enthusiasm. In this stage the company focuses on getting the number of customers, how to deliver products or provide services, maintaining customer satisfaction, increasing the number of customers, increasing types of products/services, and maintaining cash flow (Slávik et al., 2021). This stage has the following characteristics:

- 1). The organizational structure is very simple.
- 2). The owner does everything and supervises subordinates directly who must have at least average competence.
- 3). Business systems and planning are minimal or non-existent.

- 4). The company's strategy is simply to stay alive.
- 5). The owner is the business, performs all the important tasks, and is the primary supplier of capital, energy, and direction.

At this stage, there are the following challenges:

- 1). Design products/services that customers want
- 2). Get customers
- 3). Sufficient funds to meet start-up needs

b. Survival Stage

In reaching this stage, the business has demonstrated that it is a viable business entity. This stage can be carried out after the business has experienced existence and there are enough customers who are satisfied with the product or service (Kraus et al., 2022). This stage has the following characteristics:

- 1). A company may have several employees supervised by sales managers or supervisors who only carry out orders from the owner.
- 2). Has the main goal, namely to survive and the owner is still identified with the business.

At this stage, there are the following challenges:

- 1). In the short term, it must be able to generate enough cash to reach BEP and be able to meet capital asset maintenance/repair needs.
- 2). Must be able to generate cash flow in the business and to finance growth to a large enough size, be able to generate sustainable profits for economic returns on assets and workforce.

c. Success Stage

A business can be said to be successful if it can go beyond the stage of just surviving and start to develop. A business can also be said to be successful if the profits are sufficient to fund the business and provide sufficient income. The decision facing the owner at this stage is whether to exploit the company's achievements or keep the company stable and profitable (Popescu, 2020). This stage has the following characteristics:

- 1). The company has achieved sound economic capability, has adequate capacity, and is earning above-average profits.
- 2). The company can survive indefinitely as long as the initiatives taken do not affect market share.
- 3). Planning in the form of a rational budget supports functional delegation.

At this stage, there are the following challenges:

- 1). Can determine whether to use the company as a platform for growth or as a means of support for owners as they divest (fully or only partially) from the company.
- 2). Find new ways to earn profits to fund future growth.
- 3). Must be able to determine the choice of whether to take off or maintain the level of profit and mark a new business.

d. Take-off Stage

This stage can be done if rapid growth makes it possible to become a large company (Abaidia & Lalmi, 2024). This stage has the following characteristics:

- 1). The main manager is very competent.
- 2). Carry out operational and strategic planning and involve key managers.

- 3). Can adapt to changes that continue to develop and are complex.
- At this stage, there are the following challenges:
- 1). Funding and maintaining cash flow
- 2). Organizational structural problems of how to build a company, delegate authority, control

C. METHOD

This research was conducted using a descriptive qualitative approach to understand in depth how environmentally friendly finance can influence economic growth and stability. The majority of the data used in this research comes from the results of previous studies that are relevant to this topic. Effective data collection is key to ensuring that all relevant information related to green finance and its impact on the global economy is well documented. After the data has been successfully collected, the next step is data processing to dig up information and gain deeper insights. Through careful analysis, the research aims to produce valid conclusions to encourage the adoption of more sustainable financial practices at the corporate and government policy levels. This methodological process also aims to provide a clearer framework regarding how companies can be effective in implementing environmentally friendly financial strategies that support sustainable economic growth.

D. RESULT AND DISCUSSION

1. Impact of Climate Change on the Economy and Business

The impact of climate change on the economy and business has begun to be felt in various sectors, and the urgency to address climate change is increasingly pressing. Climate change not only has the potential to damage the natural environment but also threatens global economic stability. Rising global temperatures, changing weather patterns, increasing frequency and intensity of extreme weather phenomena such as storms and floods, and rising sea levels, all have serious implications for the economy. For example, the agricultural sector is highly vulnerable to climate change due to its dependence on weather conditions. Changes in rain patterns and temperatures, as well as extreme events such as drought and floods, can reduce crop yields, which in turn increases food prices and disrupts global food supplies.

The insurance sector is also facing major risks due to the increase in weather-related claims which are becoming more frequent and more intense. This not only adds a financial burden to insurance companies, but also to the public who may see their insurance premiums rise, or worse, lose insurance coverage due to high risks. Furthermore, the real estate sector is also being hit by climate change. Rising sea levels threaten property values in coastal areas, while the increased risk of natural disasters in some areas could reduce the investment attractiveness of these areas.

In facing this challenge, financial initiatives are needed that support mitigation and adaptation efforts to the impacts of climate change. Environmentally friendly finance, or green finance, can play a vital role in the transition to a low-carbon economy that is more resilient to the impacts of climate change. This funding could be used to support the development of more climate-resilient infrastructure, such as flood-resistant buildings or agricultural systems that are more efficient in water use.

Additionally, investing in green technologies, such as renewable energy, can reduce dependence on fossil fuels, which are one of the largest contributors to greenhouse gas emissions.

Through an approach like this, green finance not only helps reduce the negative impacts of climate change but also opens up new economic growth opportunities. Companies that invest in sustainable technologies and practices can find themselves at the forefront of new markets and benefit from increasingly stringent regulations against companies that ignore their environmental impact. This proactive approach can strengthen a company's reputation and build trust with consumers and investors who are increasingly aware of environmental issues. However, there are still many challenges ahead, considering that effective integration of green finance requires collaboration between the government, the private sector, and civil society to create an adequate policy framework and incentives to encourage sustainable change.

2. The Role of Green Finance in Supporting Sustainable Growth

The role of green finance in supporting sustainable growth for companies is not only important from an environmental perspective but is also crucial for long-term stability and growth. Green investments bring about significant changes in the way companies operate, offering direct and indirect benefits that increase their stability in a volatile market. For example, by allocating funds to projects that support energy efficiency or waste reduction, companies not only reduce their operational costs but also minimize the risk of stricter regulations in the future as attention to environmental issues increases. These investments also prepare companies to survive changing economic conditions resulting from the impacts of climate change, making them more resilient and better adapted than competitors who have been slow to adopt similar practices.

Furthermore, the link between operational sustainability and better financial performance is increasingly gaining evidence and recognition. Companies that integrate sustainability principles into their business strategy often report increased efficiency, reduced long-term costs, and improved overall market performance. For example, companies that reduce their energy consumption through new and more efficient technologies can significantly reduce utility costs, while also benefiting from government incentives and tax reductions. Research shows that companies that score high in sustainability practices often see an increase in the value of their shares as well as greater attractiveness in the eyes of investors who are increasingly inclined to support socially and environmentally responsible companies.

These benefits are extended by the proactive adoption of financial practices that support sustainability, which not only enhances a company's reputation but also builds greater trust from investors, customers, and other stakeholders. In a global economy that increasingly takes environmental impact into account, companies known for their commitment to sustainability often gain preference in the purchasing decision-making process, both by consumers and by large businesses looking to reduce their carbon footprint through the supply chain. Additionally, investors are now more likely to allocate their funds to assets that offer not only good financial returns but also compliance with high environmental, social, and governance

standards, increasingly making green finance a key component of long-term growth strategies.

Through all these aspects, the role of green finance in supporting sustainable growth is very significant. From improving operational efficiency to strengthening market positions, sustainability-oriented finance effectively places companies in a more financially and ethically advantageous position in a global economy that increasingly takes environmental and social issues into account. Furthermore, this approach not only supports long-term business goals but also helps ensure that companies do their part to create a better, more sustainable world.

3. Challenges in Implementing Environmentally Friendly Finance

The implementation of environmentally friendly finance does bring many benefits to companies and society at large, but the challenges in its implementation cannot be ignored. One of the main obstacles faced by many companies is a lack of knowledge or competence in implementing sustainable financial strategies. This problem often occurs in companies that do not have enough experience with sustainability concepts or that operate in markets where sustainable practices are still not the norm. As a result, they may have difficulty identifying effective and environmentally friendly investment opportunities or not understand how to modify their business models to incorporate sustainability principles. This can lead to slow or half-hearted implementation, which not only reduces the potential economic benefits of green finance but can also exacerbate existing environmental risks.

Furthermore, resistance from stakeholders is another challenge that often arises. Despite increasing awareness and support for sustainability, there is still a segment of stakeholders who are skeptical of the effectiveness or financial benefits of green finance. This skepticism may stem from a lack of understanding of how sustainability can be integrated with financial returns or from concerns that a shift toward greener practices may require large upfront investments. This often involves internal stakeholders such as managers responsible for budgets who may see green finance as a risk rather than an opportunity. Additionally, investors or shareholders may also be reluctant to support a transition if they believe that it will reduce their short-term dividends.

Policy and regulatory issues also play a critical role in hindering or accelerating the adoption of green finance. In many countries, policy frameworks supporting sustainable investment remain inadequate or inconsistent. Companies may find that there is a lack of adequate fiscal incentives or subsidies to encourage green investment, or they may face bureaucratic obstacles that make it more difficult to obtain permits for green projects. Additionally, changing regulations or a lack of clarity in regulations can cause uncertainty for companies looking to invest in green technologies or practices, slowing the adoption of green finance. On the other hand, overly strict policies or unrealistic demands may also encourage companies to avoid taking more sustainable steps for fear of not being able to meet requirements or because of high compliance costs.

Addressing these challenges requires a comprehensive approach that involves not only changes in corporate strategy but also improvements in the policy framework and more education and advocacy to change stakeholder perceptions. A better

understanding of the long-term economic and environmental benefits of green finance could encourage more companies to adopt this practice and more governments to support it through effective policies. This will create a more conducive environment for sustainable growth that will not only benefit the company but also the entire society and the global environment.

4. Strategies and Initiatives to Encourage the Adoption of Green Finance

To encourage effective and sustainable adoption of green finance, companies need to integrate sustainability criteria into their investment decision-making processes more systematically. The first step that can be taken is to carry out a comprehensive environmental impact assessment of all potential investments. This means that before an investment decision is taken, there must be an in-depth analysis of the long-term environmental impacts and sustainability benefits generated by the investment. In this case, the use of tools such as environmental and social risk analysis (ESRA) can be very helpful. Additionally, companies should also consider establishing a sustainability committee that has the authority to review and provide recommendations for all major investment decisions, ensuring that sustainability is part of the core business strategy.

Furthermore, the role of governments and international institutions is very important in creating a conducive environment for green finance. Governments can play a catalytic role by providing financial incentives, such as lower taxes for green investments or subsidies for renewable energy projects. International institutions such as the World Bank or International Monetary Fund can help by providing funds or guarantees to reduce the financial risks associated with green investments. Additionally, the creation of a supportive legal and regulatory framework is also vital, as this provides legal certainty and reduces investment uncertainty in sustainable projects. This includes regulations that promote transparency and mandatory reporting on the environmental and social impacts of corporate activities.

Finally, the importance of education and training for actors in the financial sector cannot be ignored. To effectively adopt green finance, professionals in this sector need a deep understanding of how sustainability can be integrated into traditional financial practices. Financial education and training institutions should include courses related to sustainable finance and green investments in their curricula. In addition, workshops and seminars can be held to provide the latest updates on trends and innovations in sustainable finance. This will help develop the necessary skills and raise awareness of the importance of green finance, thereby accelerating the adoption of these practices across the sector.

Strengthening these three aspects – the integration of sustainability criteria in investment decisions, the creation of supportive incentives and frameworks by governments and international institutions, and improving education and training – can greatly increase the adoption of green finance. This will not only benefit companies in the long term but also contribute to the development of a more sustainable and environmentally friendly economy globally.

E. CONCLUSION

Green finance is not only important for environmental conservation but also has a significant impact on long-term economic growth and stability. Implementing sustainable finance can help reduce the risks posed by climate change and improve the reputation and trust of investors in companies that are proactive in adopting these practices. Furthermore, environmentally friendly investments can strengthen a company's stability by integrating sustainability aspects into its business strategy, which ultimately supports better financial performance and sustainable economic development. However, challenges in implementing environmentally friendly finance still exist, especially related to internal resistance from companies and stakeholders, as well as policy and regulatory obstacles. Therefore, comprehensive strategies and initiatives are needed that involve the active role of governments and international institutions in creating supportive incentives and frameworks. Education and training also need to be strengthened to increase understanding and skills in the financial sector in implementing environmentally friendly financial principles. Through this collaborative and integrated effort, it is hoped that environmentally friendly finance can be more widely adopted, encouraging more sustainable business growth and supporting global efforts to deal with climate change.

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