

THE EFFECT OF FINANCIAL ASSETS AS A COMPONENT OF CORPORATE DISCLOSURES AND THE MODERATING ROLE OF FIRM SIZE ON MARKET RETURNS OF MANUFACTURING FIRMS AT THE NAIROBI SECURITIES EXCHANGE, KENYA

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ABSTRACT

Corporate disclosures play a crucial role in enhancing investor confidence and improving market returns. However, challenges such as inadequate capital disclosures, regulatory constraints on financial and non-financial assets, and limitations in liability disclosures continue to impede the performance of listed companies. These factors contribute to suboptimal market returns, as evidenced by a 1.6% decline in GDP in 2022 and a similar reduction in market returns in 2019. The study sought to examine the effect of financial asset disclosures as a component of corporate disclosures on market returns of manufacturing firms listed on the Nairobi Securities Exchange (NSE), Kenya, and the moderating role of firm size. Grounded in the Efficient Market Theory (EMT), which suggests that asset prices reflect all available information, the study explores how transparent financial reporting impacts firm valuation and investment decisions. A review of existing

literature highlights the significance of financial assets in determining market performance, with variations influenced by firm size, investment strategies, and market conditions. The study employs a descriptive research design, using secondary data from financial reports published. Findings from this research will contribute to a deeper understanding of how financial asset disclosures influence market returns and inform policies aimed at strengthening corporate transparency and regulatory frameworks. Findings indicate that enhanced financial asset disclosures positively impact market returns by improving investor confidence and decision-making. It is recommended that firms adopt standardized disclosure frameworks to ensure transparency and regulatory compliance, thereby fostering sustainable market growth.

Keywords: Corporate disclosures using financial asset, firm size moderator, market returns, listed manufacturing firms.

INTRODUCTION

Corporate disclosure has become a significant regulatory framework aimed at enhancing performance in the United States. Corporate disclosure has become a critical regulatory framework for improving performance in the United States. Firm size plays a key role in this framework. Studies by Di Maggio and Pagan (2017), along with the Sarbanes-Oxley Act (2002) in both Canada and the USA, highlight the importance of including explanatory notes with financial statements to improve market returns. The Dodd Franck Act (2010) further supports this indication by advocating for varied corporate disclosures to enhance accuracy and quality. Research, such as that by Kendall (2017), has thoroughly explored how disclosures affect financial statements, particularly in terms of improving market returns through increased sales and greater market efficiency (Wang *et al*, 2024).

Manufacturing firms are crucial for economic growth, enhancing revenues, return on asset, profit margin, return on investment, and market returns through their disclosures. In Iran, corporate disclosure is a key metric for evaluating global economic progress. The market returns of these firms are closely linked to the impact of disclosures. Performance measured by market returns for manufacturing firms worldwide are increasingly shaped by various factors related to corporate disclosures. The diverse nature of these firms plays a vital role in determining market returns through their sector's macroeconomic impact. Poor market returns are often due to low productivity, inadequate financial investments, lack of capital understanding, poor decision-making, and insufficient accounting information. Thus, corporate disclosures significantly affect firm market returns (Dastgir and Soltani, 2011).

Despite the high risks involved, investing in shares remains a highly sought-after option in the capital market. Stocks offer the potential for substantial profits, making them attractive to investors seeking significant returns. The extent of returns achieved is a crucial factor in drawing investor interest. This suggests that investors can improve their performance by effectively market returns factors when making investment decisions. The goal of corporate disclosure is to help firms assess how they can influence performance as measured by market returns (Healy & Palepu, 2011).

Performance measured by market returns refers to evaluating the return on an investment or a portfolio by comparing its performance against a specific market index or benchmark. Market returns typically reflect the overall performance of a broad market or a specific segment of the market, such as the stock market or bond market (Smith and Johnson 2022).

Disclosures encompass the release of information intended to influence investors and other stakeholders (International Auditing and Assurance Standards Board [IAASB], 2014). Aligned with international accounting standards, disclosure entails furnishing all pertinent accounting information elucidating the status of firms. Additional information appended to financial statements in footnotes elucidates alterations in activities impacting outcomes. IAS 32, IAS 39, and IFRS 7 offer guidance on presentation, recognition, and measurement to ensure comprehensive and precise financial reports. These standards aid in identifying conflicts of interest among shareholders and furnish detailed insights into a firm's financial resources, income, and professional affiliations. Financial statements empower investors to assess the company's market returns (Shatma, 2014). In the United States, financial asset disclosures are predominantly communicated through cash flow and income statements by the majority of firms. According to the AS19 guidelines, entities are mandated to disclose the value of each asset, including plant, property, and equipment, as recognized by stakeholders.

In Ghana, financial asset disclosures are regulated solely by accounting policies, yet they provide information crucial to stakeholders' decision-making processes.

In Kenya, ongoing discussions about financial asset disclosure focus on its significance for stakeholders and its impact on market returns. Enhancing firm market returns is facilitated through integrated reports that provide stakeholders with comprehensive information. The

Nairobi Securities Exchange (NSE) has led disclosure reforms to actively engage stakeholders. These efforts are highlighted by initiatives such as the launch of indices aimed at stimulating investment growth and offering diversification opportunities in the East African region. The study aims to examine the moderating effect of firm size on the relationship between corporate disclosures on market returns of listed manufacturing firms at NSE.

Statement of the problem

Corporate disclosures are essential in boosting investor confidence and enhancing market returns. However, challenges such as inadequate capital disclosures, regulatory hurdles related to financial and non-financial assets, and limitations in liability disclosures continue to impede the performance of listed companies, leading to suboptimal market returns. Recent trends in the manufacturing sector highlight these challenges, with a notable 1.6% decline in GDP in 2022, mirroring a reduction in market returns observed in 2019. Mwangi (2019) acknowledged improvements in corporate disclosures in Kenya but emphasized persistent challenges in the manufacturing sector that hinder its ability to achieve high performance. Overcoming these obstacles requires coordinated efforts between public and private sector stakeholders to enhance corporate transparency and regulatory effectiveness.

Objective

To determine the effect of financial asset as a component of corporate disclosures on market returns of manufacturing firm at NSE

Research Hypothesis

The following research hypothesis was used:

HO₁: There is no significant effect of financial asset disclosures on market returns of manufacturing firms at NSE

LITERATURE REVIEW

Efficient Market Theory

The Efficient Market Theory (EMT), proposed by Samuelson (1965) and Fama (1963), has long been a cornerstone of financial theory, asserting that asset prices always reflect all available information, making it impossible for investors to consistently outperform the market through skill or information advantage. This theory posits that securities are always fairly priced, with market efficiency eliminating the possibility of overpricing or underpricing assets. As a result, it suggests that investors should rely on market data, such as equity prices and trading volume, to guide investment decisions, ensuring the correct valuation of assets. However, critics argue that EMT oversimplifies real-world dynamics, overlooking factors like investor psychology, irrational behavior, and market anomalies, which can lead to mispricing. Additionally, the theory assumes that all investors have equal access to information and behave rationally, which is often not the case. Despite these criticisms, EMT remains relevant in explaining advancements in corporate disclosures, as it underscores the importance of transparency in achieving fair market valuations (Agbiogwu, 2014).

Literature review

According to studies by [Karolyi (2019)], financial assets are pivotal in determining a firm's market returns and overall financial stability, as they are easily convertible into cash. High

variability in financial assets may reflect differences in investment strategies, risk appetites, or market conditions affecting firms' market positions. Firms with more substantial financial assets are generally better positioned to withstand economic shocks, but large deviations might suggest that some firms are over-leveraged or highly exposed to market volatility.

Financial assets, known as nonphysical assets, possess contractual values and encompass items such as bank balances, bank deposits, certificates of deposit (CDs), loan-backed securities, bonds, loans, stocks, and cash. According to IFRS 7, a financial asset is part of an entity's financial report used to evaluate financial instruments and measure financial positions. The standards indicate that there should be no unrecognized assets.

Firm size pertains to the scale of the business's operations and value. It is typically assessed through various metrics such as the number of employees, share issues, expansion rates, total assets, and capital base. **Li et al. (2023)** emphasize that firms with larger **shareholder equity** are generally more resilient to financial shocks and less dependent on external debt. Companies with low equity, on the other hand, may be more vulnerable to market fluctuations. The performance and growth of a firm are influenced by the quantity of long-term assets it holds.

Market return disclosure plays a pivotal role in safeguarding investor interests and ensuring a steady influx of savings into the Capital Market. ROE is a financial ratio that shows a company's profitability in relation to shareholders' equity, reflecting how well it uses equity capital to generate profits. A higher ROE indicates greater efficiency in generating returns. Profit after tax (PAT) represents the net earnings of a company after all expenses and taxes are deducted, highlighting the true profitability. ROI measures the profitability of an investment relative to its cost, helping assess the efficiency and success of investments or business strategies to determine if they yield satisfactory returns. **[Lee and Swaminathan (2021)]**, who noted that ROI measures the profitability of an investment relative to its cost.

Muriithi, (2012) investigated the relationship between financial asset management mechanisms and performance of firms in Kenya. This aimed to investigate the relationship between financial asset management mechanism and performance of firms. Using panel data of 42 firms listed financial reports from 2006 to 2011 which was analyzed by used of linear equation modeling and logit regression results. The analysis of 23 respondents was used to analyze bank size with board composition disclosures on performance of firms. The findings indicated that bank size had a great significant impact on performance of firms unlike board composition in listed firms. Annual reports indicated that asset management disclosures provided stakeholders asymmetry in managing agency relationships than performance between investors and managers. Long term asset has no significant effect on performance in listed firms. The study recommended that firms should disclose their financial statements while following statutory requirements in stock market authority. Despite the findings, there is no conclusive evidence analyzed to explain how asset employed influenced financial performance of firms. Thus, this study will analyze asset employed on market returns using other research methodology like cross-sectional design. Asset disclosure such determinants of financial asset in terms of tax structures, exchange rates, inflation rates and interest rates, bonds, and securities will also be examined in order to analyze market returns.

Aksu and Kosedag, (2005) investigated the relationship between financial asset disclosure and firm performance of Turkish stock exchange. The study adopted a sample of 52 firms were used through stratified random techniques. Descriptive statistics was used to analyze data. The

study concluded that Turkish firms have a higher financial asset disclosure index but lower disclosure of firm performance of the firms. As firms increase there is a need to regulate and ensure that these firms are following the disclosures practices laid. This study incorporates one area of asset management disclosures in relation to firm performance of firms, which is financial disclosure. The study indicated that financial asset management disclosure affect firm performance. The study will address financial asset disclosures on market returns of manufacturing firms listed.

Lwangu, (2009) did a study to investigate the link between company size and asset management on performance announcements of quoted companies at the Nairobi security exchange. He noted that there was a positive correlation between company sizes measured by financial asset management with company announcements. Wesonga, (2008) studied financial disclosures for decision making by investors in Kenya. The study found out that the majority of the institutional investors use asset disclosures as a source of vital information for investment decisions. The total asset disclosures including accounting changes, value of an asset treatment, retirement of an asset, insurance modification on net worth business event are at fair value and contingency asset disclosed as per international public sector accounting standard (IPSAS 19). Hence, the results can be criticized only on total asset disclosures on market returns which this study is going to examine.

Mwirichia, (2008) carried out a survey of financial asset disclosures among Kenyan firms quoted at NSE. It was found out that financial sectors make more intensive disclosure than the non-financial sector. Financial Asset disclosure on the expected cost of equity capital and stated that quality of disclosure is inherently subjective like cost of equity capital and its evaluation is very difficult. Asset declaration by employees remains a powerful instrument to measure agency relationships between asset employed and performance. Therefore, financial asset by firms was not addressed with long term assets and shorter assets, debentures and bonds to asset of the firm in business operations. Declaration of assets enables understanding the ability to pay theory and fight against corruption in relations to sources of incomes and wealth for the firm. This will include provisions for interest income, liabilities, assets and acquisitions of properties.

Corporate disclosures

Market returns

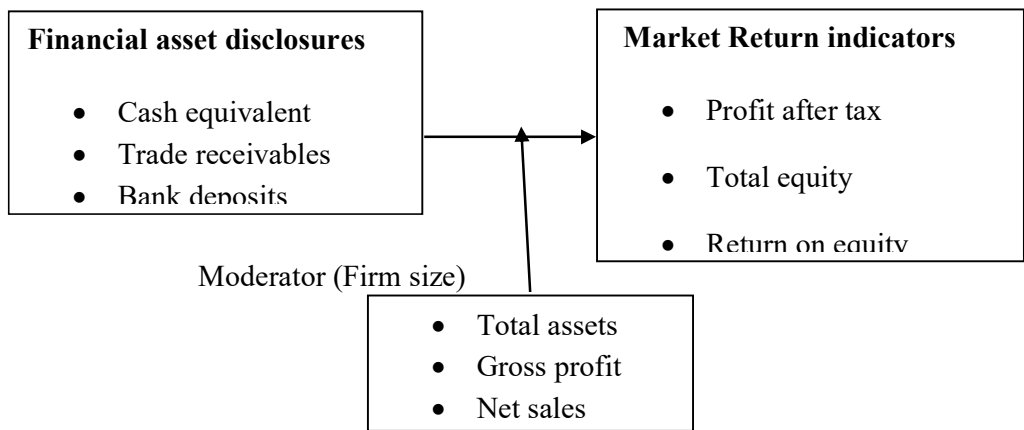


Figure 2.1 Conceptual framework showing independent variable and dependent variables

RESEARCH METHODOLOGY

Descriptive research design approach was adopted in this study. Nairobi security exchange is categorized by 8 sectors differently divided and the manufacturing firms were selected. This was applicable for every firm satisfied the requirement of published annual reports and the firms must be listed for entire financial years from 2012 to 2022 and seven years firms have published consistently.

The study used secondary data which was described by cross-sectional time series since these data was already available or already collected previously by other studies (Tarus & Omandi 2013). This was appropriate for this study from 2012 to 2022 however consistently published financial annual reports is from 2012 to 2019 a period of 7 years. The study used correlation to establish relationships between corporate disclosures and market returns.

RESULTS AND DISCUSSION

Financial asset disclosures

This section of the study examines the effect of financial asset disclosures on the performance of manufacturing firms listed on the Nairobi Securities Exchange (NSE). Financial asset disclosures, including elements such as cash and cash equivalents, trade receivables, and other investments, are crucial for understanding a firm's financial health. The analysis aims to explore how these disclosures impact performance, as measured by market return indicators, and influence investor decision-making. The values for each variable are presented in millions of KSHs ('000,000').

Table 4.1 Financial assets

	N	Minimum	Maximum	Mean	Std. Deviation
Cash and cash equivalent	56	589	14258	3713.30	3380.066
Trade and other receivables	56	467	17819	4025.26	3398.694
Other investment	56	88	66793	6928.57	12651.093
Valid N (listwise)	56				

From the findings, it was noted that cash and cash equivalents had a mean of Kshs 3713.30 with the standard deviation of 3380.066, followed by trade and other receivables with a mean of 4025.26 and standard deviation of 3398.694 and other investment had mean of 6928.57 and standard deviation 12651.093. The study showed that cash and other investment had highest mean as compared to cash and cash equivalent with lowest mean. Therefore, cash and cash equivalent was low implied that listed firms do overstate their cash and cash equivalents as they would be assumed to more liquid to mislead interested investor to the firm (Hasan and Habib 2019). Stowe (2021) note that they are combined to represent fund that the firm can access quickly to pay obligation or for the need of operational cost. This included marketable securities and bank accounts where maturities are within three months as they can be converted easily to cash in the financial statements so they might not disclose it. Stowe (2021) noted that accurate disclosure of cash equivalents, receivables, and investments is crucial for investor

decision-making and financial market stability. Overstating liquidity measures or misrepresenting investment portfolios can erode investor confidence and lead to regulatory scrutiny.

Trade and other receivables indicates a moderate mean implied that disclosure of cost of sold will decrease stock which later increases trade receivables by market price. The total assets increases market returns by selling price as well equity. Further it implied that if other disclosures are left constant, then credit sales increases trade receivables when credit period is provided in stock market customers or in long run it increases trade receivables. The disclosure of receivables resulted to decrease in cash flow to give customers time to pay eventually becomes a liability or default to mature. These listed firms trade receivables has been increasing towards extra sales up to a given period, it is a financial assets included notes receivables, determined by deducting sales discount, allowances, collections of credit sales and returns during disclosure period. IFRS 7 requires the disclosure of receivables as they are identified, in order to assess the firm's future payments or to show the money the firm is expected to receive from customers, as well as to account for debt obligations. Receivables were only disclosed with realizable value implied that they represented in financial statements equally as per to the expected amount of cash to be collected from customers, hence it improves market return indicators.

Other investment had a mean which represents consolidated financial statement of position investing in other companies for long-term investment disclosed separately. Other investment is defined as remaining class of investments including financial transactions indirectly considered to market returns such reserve assets and portfolio investments. This is to attract more investors to share profit or loss from investment. it shown that other investment disclosures increases level of production by other interested investors. Appreciation of market returns is influenced by increase in financial assets, other investments improves the process of allocating assets among market returns by cash and income. The study considered other investment with alternative investments options in terms of cash, bonds, hedge funds, commodities and stock which might increase market returns.

Financial asset disclosures included Cash and cash equivalents, trade and other receivables and other investments. The increase in financial assets disclosures increases confidence in the economic activity for better market returns. The study showed that financial assets offered the means of preserving capital markets and allow individuals to invest into a variety of assets like real estate, bonds and stocks which improve market value. Financial assets give an opportunity for better market returns and generate profits through interest payment, dividends and capital accumulation. Therefore, the biggest financial asset is not just a portfolio but the ability to improve market returns or earn more profits and help listed firms to determine net worth contributing to a better financial strength. The results were also presented by the figure below. Data was analyzed for the last 7 years, the results was presented by the figure 4.1.

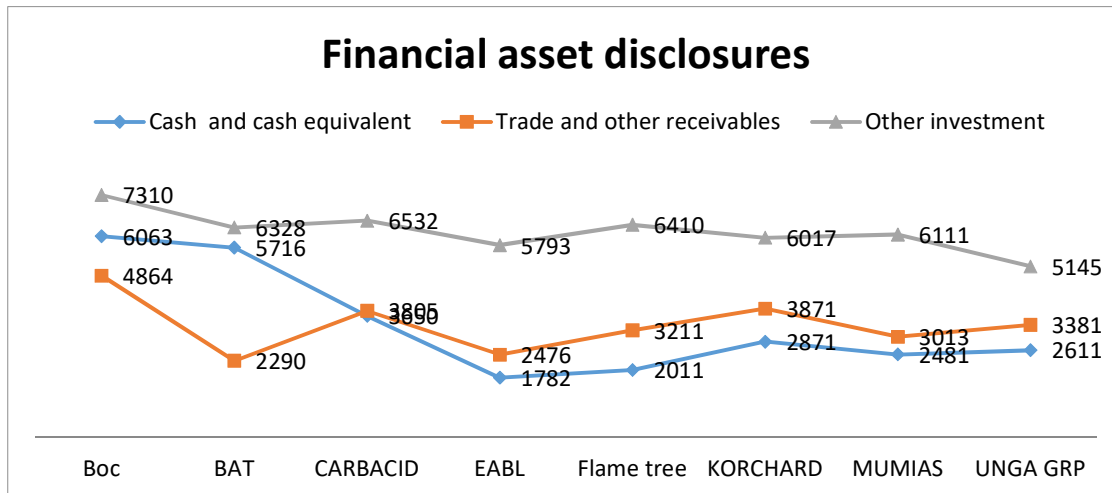


Figure 4.1 showing aspects of financial asset disclosures

The study showed that other investments were highly disclosed with Boc firms 7310, followed Carbacid with 6532, BAT with 6328, frame tree with 6410, Mumias with 6111, Korchard with 6017 and lastly Unga group with 5145. This means that other investments were disclosed with Boc and least disclosed with Unga group.

Cash and cash equivalent was shown by Boc 6063, followed by Bat with 5716, Carbacid, Korchard 2871 and finally EABLE with 1782. Trade and other receivables were highly disclosed by Boc 4864 followed by 3895 for carbacid firm and least disclosed by Bat with 2296. The study showed that cash and cash equivalent were highly disclosed by Boc and least by Bat.

The figure showed that financial assets were separately disclosed to allow to buyers to access future returns. This is highly liquid meaning that they are easy convert for financial obligations. The study concurred with IFRS 7 which requires that information disclosed is very significance to stock marke Market return had a mean of 58.8095 and standard deviation of 15.12176. **Mean of 58.81%**: This indicates that, on average, the market return in your sample is around **58.81%**, which is relatively high. A **mean market return** of nearly 59% suggests that the market has performed well over the period being studied. This is a positive sign for investors, indicating strong overall market growth or recovery, especially in emerging markets or periods of economic expansion. The **standard deviation of 15.12%** shows that there is considerable **volatility** in the market returns. The relatively high **standard deviation** suggests that the returns are not stable year-over-year, and market fluctuations are common. In this case, a higher **standard deviation** implies that while the market might generally have high returns, it also experiences significant **ups and downs** on market returns in BOC. Nonfinancial assets were more in BOC firm.

The study analyzed corporate disclosure of firms on market returns of BAT as shown in table 4.2.

Table 4.2 Corporate disclosures

	Minimum	Maximum	Mean	Std. Deviation
Financial asset	1631.67	3845.67	2462.2383	853.58078
Nonfinancial asset	194.67	678.33	523.0476	204.07273
Liability disclosure	1779.25	3311.25	2411.3214	595.88676
Capital disclosure	87.67	440.00	308.7143	139.76931
Firm size	149.67	1552.00	575.9048	472.89137

The study indicated that financial asset had a mean of 2462.2383 and standard deviation, Liability disclosure had a mean of 2411.3214 and standard deviation 595.88676, firm size had a mean of 575.9048 and standard deviation 472.89137, non-financial asset had a mean of 523.0476 and standard deviation 204.07273, Capital disclosure had a mean of 308.7143 and standard deviation 139.76931. The result showed that the study indicated that financial asset had a mean of 2462.2383 and Capital disclosure had a mean of 308.7143.

HO1: There is no significant effect of financial asset disclosures on market returns of manufacturing firms at NSE

The study analyzed simple regression to test the effect of the relationship between financial assets and market returns of listed manufacturing firms as presented in table 4.3.

Table 4.3 Model summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.268 ^a	.072	.054	309.20386

a. Predictors: (Constant), financial asset disclosure

The results showed that $r = 0.268$, implied that there was a very weak correlation between financial assets and market returns. The R square 0.072 implied that a change in financial assets resulted to a change in market returns by 7.2%. Asness (2013) reviewed literature consistently supports the findings of a weak correlation between financial assets and market returns ($r = 0.268$) and a low explanatory power of financial assets for market returns ($R^2 = 0.072$). These studies highlight that while financial assets play a role, broader market factors, investor behavior, and macroeconomic conditions significantly influence market returns. The weak correlation and low R^2 value underscore the complexity of financial markets and the multitude of factors driving market performance beyond financial asset levels.

The ANOVA, indicated model fitness that ($f = 4.015$, $p < 0.05$, $df = 1$), financial assets had a significant effect on market returns. The sum of squares for regression (383,895.959) and residual (4,971,565.286) indicate that the majority of variance in market returns remains unexplained by the model. The high residual mean square (95,607.025) further confirms this.

Table 4.4 ANOVA

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	383895.959	1	383895.959	4.015	.050 ^b
	Residual	4971565.286	52	95607.025		
	Total	5355461.245	53			

- a. Dependent Variable: Market Returns
- b. Predictors: (Constant), financial assets indicators

This model was fit to indicate significant effect of financial assets on market returns. The F-statistic of 4.015 with a significance level of 0.050 suggests that the model is statistically significant. This implies that while financial assets have some predictive power, their overall impact on market returns is limited. The regression model shows a statistically significant but weak relationship, as evidenced by the F-statistic and significance level. This underscores the complexity of financial markets, where numerous factors beyond financial assets influence market returns. The reviewed studies align with the model's results, highlighting the limited predictive power of financial assets in isolation. Zhang, L., & Zhou, G. (2020) in their study concluded that while there is a connection between financial asset prices and market returns, the predictive power is often weak due to high market volatility and external shocks. This aligns with the current model's low explanatory power.

Regression coefficients were established to determine a change in relationship between financial assets and market returns.

Table 4.5 Regression Coefficients

Model			Unstandardized		Standardized	T	Sig.
			Coefficients		Coefficients		
			B	Std. Error	Beta		
	(Constant)		636.724	63.069		10.096	.000
1	Financial indicators	Asset	.180	.090	.268	2.004	.050

- a. Dependent Variable: market returns

The results indicated by (B=.180, t 2.004, p=0.05) a change in financial assets can vary market return by 1.8% and statistically significant effect, hence null hypothesis was typically rejected. $y_{it} = \alpha + \beta X_{1it} + 0.180_{it} \quad i = 1, \dots, N ; t = 1, \dots, T$(1)

i denotes dimension of cross-sectional data in Financial assets and t represents dimension of time, y dependent variable, X- Independent variable, a- y-intercept, u=error term. The intercept (a) represents the expected value of market returns (Y_{it}) when all the predictor variables (X_{1it}) and the variable with the coefficient are zero. This is a baseline level of market returns.

These results indicate that the financial asset indicators have a statistically significant but weak positive effect on market returns. The constant represents the expected value of market returns when the financial asset indicators are zero. This value is 636.724, which is statistically significant with a t-value of 10.096 and a p-value of 0.000. Chen, Hong, and Stein (2020) affirmed that, holding financial asset indicators constant, the average market return is significantly different from zero, hence, null hypothesis was rejected.

CONCLUSIONS AND RECOMMENDATION OF THE STUDY

Conclusions

The study findings indicate that financial asset disclosures play a role in shaping market returns, albeit with a weak correlation ($r=0.268$) and a low explanatory power ($R^2=0.072$). While the regression model was statistically significant ($F=4.015$, $p=0.050$), the limited predictive strength suggests that market returns are influenced by broader macroeconomic factors, investor behavior, and external shocks beyond financial asset disclosures. The study aligns with previous literature, including Asness (2013) and Zhang & Zhou (2020), which highlight the complexities of financial markets and the limited standalone impact of financial asset disclosures on returns.

Recommendations

Firms should improve transparency in financial asset reporting, ensuring alignment with IFRS 7 requirements to provide investors with more reliable and timely information. Given the weak correlation, firms should focus on non-financial disclosures, including sustainability reporting, governance, and corporate social responsibility, which may enhance investor confidence and market performance. Policymakers should consider external economic factors, such as interest rates and inflation, which significantly impact market returns beyond financial asset disclosures. Investors should be encouraged to diversify their investment strategies, considering both financial and non-financial indicators to mitigate risks associated with market volatility.

Further research

Future studies should explore the interaction between financial asset disclosures and other determinants of market returns, such as firm size, capital structure, and global economic trends, to provide a more comprehensive understanding of market performance drivers.

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