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Operational Risk And Financial Performance: Competitive Forces to Increase Company Value

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Abstract

Real estate companies are one of the most frequently requested companies. The need for houses, offices, entertainment, and infrastructure will be much more significant, causing land and building prices to continue to increase. However, the real estate sector is an unpredictable and high-risk quality sector. Events show that the real estate sector is booming and oversupplies during high monetary developments and favorable macroeconomic conditions. Therefore, this study aims to determine how the risk strength and performance of competing companies increase the company's value. The population consists of companies listed in the housing sector on the Indonesia Stock Exchange. The firm value uses Tobin's Q proxy. Operational risk uses Enterprise Risk Management, while financial performance uses Debt Policy, Company size, and profitability proxies. Data collection was carried out using the target method from 2018 to 2020. The results showed a positive relationship between Tobin's Q and business risk. However, debt size and profitability policy variables have a negative impact.

Keywords: Operational Risk, Financial performance, Company Value

1. INTRODUCTION

Indonesia's large population will greatly support investment in the real estate sector. Therefore, the need for housing, leisure, entertainment, and other infrastructure becomes more significant, resulting in a yearly increase in the price of land and buildings.

In general, the real estate sector is highly unpredictable. This indicates that high economic growth and good macroeconomic conditions cause housing and real estate surplus. However, when the economy experiences a decline, with bad macroeconomic conditions in recession, the sector faces drastic reduction. Currently, there is evidence of a decrease in gross domestic product contribution growth.

A company's worth is impacted by the real estate sector's growth, which is significant since it can influence investors' attitudes. The prognosis and expectations for the company's potential to grow asset value in the future are reflected in its value. The stock price's market value gauges it.

Furthermore, managers are expected to effectively and efficiently manage the company's finances. In a public company, the market value of the company will be determined by the supply and demand of shares (Smriti & Das, 2018).

From 2016 to 2020, Indonesia's business sector experienced ups and downs. The real estate and construction sectors are no exception. Real estate is generally showing positive developments despite experiencing a decline. As a comparison, all business fields in Indonesia are displayed. (pu.go id).

Table 1: GDP Growth Rate by Business Field 2016-2020

Business Field			Growth R	ate	
4	2016	2017	2018	2019	2020
1. Agriculture, Forest and Fish	3,37	3,92	3,88	3,61	1,75
2. Mining and Quarrying	0,95	0,66	2,16	1,22	-1,95
3. Procesing Industry	4,26	4,29	4,27	3,8	-2,93
4. Electricity and Gas	5,39	1,54	5,47	4,04	-2,34
5. Water, Garbage and Waste	3,6	4,59	5,56	6,83	4,94
6. Construction 5	5,22	6,8	6,09	5,76	-3,26
7 Trade and Vehicle Repair	4,03	4,46	4,97	4,6	-3,72
8. Transportation and Warhousing	7,45	8,49	7,05	6,39	-15,04
9. Hotels and Restaurants	5,17	5,41	5,68	5,79	-10,22
10. Information and Comunication	8,88	9,63	7,02	9,42	10,58
11. Financial Services and Insurance	8,93	5,47	4,17	6,61	3,25
12. Real Estate	4,69	3,6	3,48	5,76	2,32
13. Corporate Services	7,36	8,44	8,64	10,25	-5,44
14. Goverment and Social Security	3,2	2,05	6,97	4,65	-0,03
15. Education Services	3,84	3,72	5,36	6,3	2,63
16. Heath and Social Services	5,16	6,84	7,15	8,69	11,6
17, Other Services	8,01	8,73	8,95	10,57	-4,1
GROSS DOMESTIC PRODUCT.	5,03	5,07	5,17	5,02	-2,07

Real estate growth in Indonesia in 2020, during the Covid-19 pandemic, still shows a positive increase compared to the growth rate of the construction sector and the GDP growth rate (YoY), which is experiencing a negative growth rate. Real estate growth was shown by the increase of +2.32, while construction growth contracted by -3.26 and GDP contracted by -2.07%,

Figure 1: Annual Growth Rate of Construction, Real Estate and GDP (YoY)



The company's high value will be considered reasonable by investors if the company's performance shows good performance. To attract investors, every business owner will consistently demonstrate to potential investors that their companies are viable investment alternatives. However, the real estate sector is an unpredictable and high-risk quality industry.

2. LITERATUR REVIEW

2.1. The value of the company.

The business wants to maximize the equity obtained by maximizing its value. Entrepreneurs desire a high value because it indicates high equity (Suroso, 2021). Husnan (2010) argues that the price investors are wiling to pay for an outstanding share is the best indicator of companies' value. The business goal of maximizing shareholder value forces companies to make decisions that always consider the impact on the value or price of their shares (Freeman, 2013). Management must consider this factor because it is the investor's perception of companies' past performance and future prospects.

2.2. Enterprise risk management

Enterprise Risk Management is a comprehensive risk management system that integrates all possible existing risks to improve business performance (Nocco & Stulz, 2006). According to COSO, ERM is a cycle influenced by senior management and other personnel, completed when making general decisions about procedures and associations. It identifies opportunities that could affect the association, monitors the dangers, and provides appropriate confirmation. Enterprise Risk Management has four classifications: strategy, operations, reporting, and consistency. ERM disclosures were scored using the COSO format. On the framework provided by the COSO, 108 ERM articulations cover eight aspects: internal objectives, identification, events, risk assessment, responses, control, communication, and information, as well as observations (Desender & Lafuente, 2009).

2.3. Debt Policy

There are several assumptions about leverage versus companies' value strategy. According to Modigliani and Miller's theory, increasing debt can improve an organization's value, assuming it has not yet reached its sweet spot. Debts contribute to business owners' profits to increase shareholder value as long as interest rates can be used to reduce costs (Brigham and Houston, 2012). The trade-off theory states that debt can increase the value of the business at some point.

Organizations prefer to use debt capital because the costs involved are lower than offering shares. It can also reduce the costs of organizational activities and offices. Furthermore, it is challenging to determine the full utilization of debt in corporate activities. As the compromise

hypothesis demonstrates, the greater the debt, the higher the liquidation risk for the organization because the increase in interest costs is higher than the reserve funds.

Debt expansion will pose a level of danger to the organization's sources of income. The greater the significance of the debt, the more likely it is that the organization will be unable to meet its obligations, including interest and principal debt. Therefore, they need to be cautious while determining their accountability strategy, as an increase underwater will cause a decline in the organization's value (Azahar. H, 2012)

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2.4. Company Size

Company size is the scale at which a business can be managed in various ways, including resource utilization, ledger size, and exchange value (Fu et al., 2017; Lindenberg & Rot ss, 1981). It shows a degree of commitment and ability to grow, indicating the capacity and level of risk in overseeing investor efforts to build development opportunities (Basyith, 2016). Large companies are generally easier to grow, have easier access to capital markets and pay low financing costs (Tang & Liou, 2010). Furthermore, expansion is the growth of an item or line of business completed to increase benefits. A business will be compensated by another item or region when it experiences a decline in a specific item or region. A more stable income or salary reduces business risk and increases value.

2.5. Profitability

The companies objective is to make the greatest possible profit (Suroso, 2022a). Productivity is an essential aspect in determining the health of the business. According to Brigham and Houston (2013), profitability is a set of proportions that show the combined impact of cash, board resources,

and liabilities on job outcomes. The higher the productivity percentage, the better it describes the company's ability to generate high profits. Furthermore, to measure the productivity of the company used Return on Assets (ROA). A high ROA indicates that resources are used more productively (Suroso, 2022b). ROA is the ratio of net income to total assets, a measure used to determine after-interest and tax return on investment on total assets.

3. METHOD

3.1. Sample description & Analysis

The empirical analysis uses data obtained from the Indonesian stock exchange database. The sampling technique in this research is purposive sampling, a sampling technique from data sources with specific considerations.

Property and real estate companies listed on the Indonesia Stock Exchange (IDX) between 2018 and 2020, annual financial report data available during that time, complete financial data, and market data broken down by research variables were the criteria used to select the study's sample. The analysis uses a regression model with the variables used Enterprise Risk Management (ERM), debt policy, size, and profitability.

3.2. Operational Variable

Table 2 : Operational variable

No	Variable	Indicator	Parameter	
1	Company Value	Q	Market Value of Equity + Book Value of Debt	
			Book Value of Total Asset	
2	Enterprise Risk	ERM	Total Disclosur	
	Management		Total disclosur sholud be	
3	Debt Policy	DER	Total liabilities	
1			Total Equity	
4	Company Size	Size	Ln Total Asset	
5	Profitability	ROA	Net Profit	
			Total Asset	

3.2 Regression model and variables used in the research

The independent variables include enterprise risk management (ERM), size, profitability, and debt policy, whereas the dependent variable is the company's worth. The following explanation can be used to illustrate the comparison of the independent and dependent variables:

$$Y = \beta o + \beta 1.X1 + \beta 2.X2 + \beta 3.X3 + \beta 4.X4 + \epsilon$$

Y = Tobin's Q;

 $\beta o = Constant;$

 $\beta 1 = \text{Coefficient ERM};$

 β 2 = Coefficient DER;

 $\beta 3$ = Coefficient Size;

$\beta 4$ = Coefficient ROA;

 ε = error term

4. RESULT

4.1. Descriptive statistics

Table	2 · I	Descriptive	etotictice
Lable	o : 1	Jescriblive	Statistics

	TOBINS_Q	ERM	DER	TOTAL_ASSET	ROA
Mean	1.05060	0.72143	0.88131	29.9058	0.07179
Median	0.90500	0.72500	0.72500	29.4350	0.02500
Maximum	2.36000	0.80000	3.05000	31.6000	0.19000
Minimum	0.28000	0.63000	0.03000	26.7200	-0.0000

The fixed value measured by Tobin's Q reached a mean of 1.051 for a standard deviation of 0.435 and 2.306 as the highest value. This indicates that companies can create the highest fixed value of 2.306 times the invested capital. On the other hand, the lowest value is 0.228. ERM has a mean, standard deviation, highest, and lowest value of 0.724, 0.038, 0.806, and 0.639, respectively. Furthermore, debt policies measured using the debt/equity ratio (DER) have a mean, standard deviation, highest, and lowest value of 0.883, 0.636, 3.065, and 0.043, respectively. The size obtained an average value of 29.591 and 1.168 for standard deviation. Its highest and lowest values are 31.670 and 26.792, respectively.

4.2. Test Panel Data Models

From the results of the panel data models test, the following results were obtained

Test	Result Prob.	Information
Chow Test	< 0.05	The estimation model used is the Fix Effect
	3	Model
Housman Test	< 0.05	The estimation model used is the Fix Effect
		Model
	1	

4.3. Fix Effect Model

according to Chow and Hausman's findings tests, The results are presented in Table 5 below

Table 4: Fixed Effect Model

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	15.9194	2.13881	<mark>7</mark> .45872	0.000
ERM	3.22479	0.77453	4.56457	0.000
DER	<mark>0</mark> .17907	0.06956	2.09644	<mark>0</mark> .047
TOTAL_ASSET.	- <mark>0</mark> .56180	0.06432	-8.23734	0.000
ROA	0.74945	0.34433	2.53881	0.061

Based on Table 5, it produces the panel data multple regresion equation as follows:

Y = 15.9109 + 3.22347 ERM + 0.13790 DER - 0.58618 LnTA + 0.78494 ROA

The probabilty value of the companies risk managemnt variable is 0.0000 <0.05. This indicates that it has significant increasing power at the value level (Tobin's Q), hence, the hypothesis is accepted. DER has a value of 0.0447 <0.05, which means that this ratio has a significant effect on Tobin's Q, for that the hypothesis can be accepted. ROA value is 0.0361 <0.05, which means that there is a power that significantly affects the level of Tobin's Q.

4.4. Spearman Corelation Table

Table 5: Spearman Corelation Table

Table 5 : Spearman Coleration Table						
8	Tobin's Q	ERM	DER	Total Asset	ROA	
Tobin's Q	1					
ERM	-0,25412*	1				
DER	0,044764*	0,155633*	1			
Total Asset	-0,32088	0,031778*	0,212941*	1		
ROA_{11}	-0,03837*	0,195061*	-0,13033*	0,010831*	1	

Notes: All p-values are two-tailed; * Coefficient is significant with p-value <0.05

From the Spearman correlation table, it can be explained that ERM and Total Asset have a negative relationship with Tobins'Q, while DER has a positive relationship with Tobins'Q. ROA has a negative association with Tobins's

5. DISCUSSION

5.1. The Strength of Enterprise Risk Management on Company Value

According to Table 4's statistical test results, the ERM disclosure variable has a significant and positive impact on company value. These findings support the findings of Devi et al. (2017), who found a favorable and significant impact on value from ERM disclosure. Bravo (2017) claims that a higher value is obtained by more ERM disclosures. The study's findings support Nocco's (2006) theory that value can be increased by the use of ERM. In addition, investors require accurate ERM disclosures in order to reduce risks and uncertainties..

5.2. Strength of Debt to Equity Ratio to Company Value

Companies' value is positively impacted by the DER. Its favorable effect demonstrates that the businesses effectively manage their debt, boosting shareholder value. This outcome supports Gill's (2012) finding that DER significantly and favorably affected value.

When debt is still reasonable, the value is high. When the debt above the limit, nevertheless, the value drops since more expenses will have to be paid to creditors. Due to this issue, investor interest declined, which resulted in bankruptcy. The market's favorable reaction demonstrates that real estate and its companies' debts are still manageable and repayable by society. The findings of this research align with Miler and Modigliani's debt policy theory, whiich postulates that a rise in debt may enhance an asset's value.

5.3. The Strength of Company Size on Value

According to Table 4's statistical test results, the size variable has a negative regression coefficient. This suggests that the relationship between size and value is inverse. Furthermore, the value of a business decreases with its size. All of the company's holdings, such as equity, retained earnings, and third-party obligations, are referred to as assets. When debt makes up the majority of an asset's composition, it is deemed hazardous. Even though overall assets are important, Tobin's Q indicates that the value decreases when debt is predominant. This outcome agrees with the findings of Prewett & Terry (2018).

According to La'lbar et al. (2012), large businesses typically pay lower credit rates, are more diversified, and have greater access to markets. According to this view, the proxied

5.4. The Strength of Profitability Against Company Value

The statistical test results in Table 4 showed that the profitability variable (ROA) positively and significantly affects value. This result is consistent with the report of Piluso F (Piluso, 2013) that profitability significantly affects value.

These results showed that higher profitability ensures higher value, effectiveness, and efficiency in generating profits. Furthermore, the high profits indicate that companies are performing well and have long-term prospects, hence, can attract investors to buy shares. The rising share price reflects a better image. Investors will like this because they can buy shares of companies that will generate profits in the future.

6. CONCLUSION

This study concludes that the ERM variable has a significant positive effect on Tobin's Q results (Curkovic et al., 2013). This result indicated that ERM significantly increases the company's value.

The more ERM disclosures that the corporation has made public, the more valuable it is. Additionally, the market responds favorably to the extent of companies' voluntary ERM disclosures. This is because, according to Devi et al. (2017), the market considers ERM disclosure to be one of the important pieces of information when predicting the future and business continuity. The signaling idea makes sense in light of the study's findings. Enterprise-facing ERM data,

according to Wahyu Hidayat (2017), is a good commitment to ERM. As a result, the fact that ERM disclosure allows investors to evaluate the possibilities through its information is good news and should be seen as a favorable indication.

The implementation of ERM to support the achievement of objectives piques the attention of stakeholders, specifically investors, in learning about ERM information as a basis for analyzing investment decisions. Interested parties can also evaluate prospects through ERM information. According to Buallay et al. (2017), investors need adequate ERM disclosure to minimize the level of risk and uncertainty. Furthermore, investors rate companies that reveal broader ERM implementations, as this action indicate that they are more engaged in risk management (Suroso, 2020). Investors are confident that large corporations will be willing to disclose ERM more broadly and specifically. Their confidence in the quality and commitment to risk management can foster positive investor perception, resulting in increased shareholder value.

The data processing results showed that DER significantly affects companies' value. This indicate that companies have many opportunities for expansion or development using high debts. As the companies develop, profits for investors improve, thereby ensuring their interest in buying stock.

The findings also demonstrated that the size of the company has a negative and substantial impact on value. The study's findings indicated that investors steer clear of large total assets. The assets of real estate enterprises include projects, machinery, office equipment, buildings, infrastructure, and land. The majority of these assets are made up of infrastructure, buildings, and land. Furthermore, because infrastructure and buildings need to be maintained, investors typically steer clear of businesses whose asset values rise without matching profit increases.

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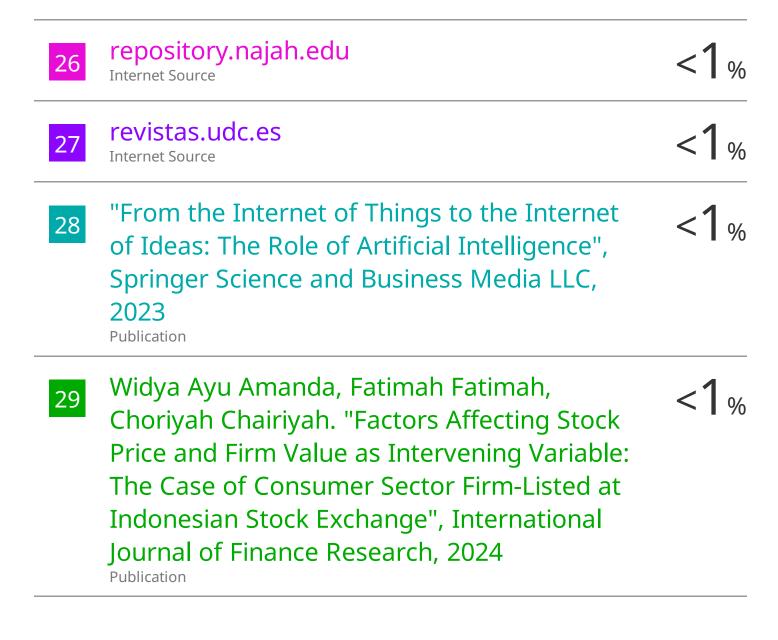
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