

15. Do the Firm Size, Debt Level, and Liquidity Have Impact on the Hedging Decisions_Atlantis Press.pdf

by

Submission date: 22-Dec-2022 03:56PM (UTC+0700)

Submission ID: 1985804637

File name: 15. Do the Firm Size, Debt Level, and Liquidity Have Impact on the Hedging Decisions_Atlantis Press.pdf (685.8K)

Word count: 4581

Character count: 24225

Do the Firm Size, Debt Level, and Liquidity Have Impact on the Hedging Decisions

Wisnu Setiyono¹⁾, Detak Prapanca^{*2)}, Novita Afelya Pramudita^{*3)}

¹Program Studi Manajemen, Universitas Muhammadiyah Sidoarjo, Indonesia

²Program Studi Manajemen, Universitas Muhammadiyah Sidoarjo, Indonesia

³Program Studi Manajemen, Universitas Muhammadiyah Sidoarjo, Indonesia

Email: wisnu.setiyono@umsida.ac.id

Abstract. Hedging is an alternative to risk management in dealing with losses that happened to the company which conducts international trade. This study's purpose is to analyze the influence of firm size, debt level, and liquidity on hedging decisions in manufacturing companies listed on the Indonesian Stock Exchange in the period 2014-2018. The object of research is manufacturing companies listed on the Indonesia Stock Exchange in the period 2014-2018, with research samples obtained through purposive sampling as many as 90 companies were sampled. The data use taken from the secondary financial statement (annual report). The data were analyzed using logistic regression with the assistance of SPSS. The results of this study prove that partially, firm size and liquidity has an influence on hedging decision. Meanwhile, debt level does not affect hedging decisions. At the same time, the variables of firm size, debt level, and liquidity have a simultaneous influence on hedging decisions.

Keywords: hedging, firm size, debt level, liquidity.

I. INTRODUCTION

International trade appears as one of the effects of sophisticated communication technology in the era of globalization. However, companies that trade internationally may experience more complicated problems due to the use of different currencies in each country in the payment and purchase of products [21]. Currency exchange rates can fluctuate at any time due to demand and supply [19]. Meanwhile, according to [15], if one currency's price becomes more expensive against other currencies, that currency is appreciated. On the contrary, if one currency's price falls against another currency, that currency is said to be depreciating. So the most prominent risk that a company will bear is the uncertainty of foreign exchange rates. Changes in foreign exchange rates that are not previously anticipated will

affect prices, sales, and exporters' profits [13]. [15] states that the foreign exchange rate is the price of a country's currency in commodity units (such as gold and silver) or the currency of another country.

The biggest risk faced by companies conducting international transactions is the risk of foreign exchange rates. Foreign exchange risk in international trade must be managed properly by the company to have no large losses. The dilemma that arises is that risk cannot be eliminated immediately. Still, if the company does not dare to take risks, it will lose the opportunity to get a more significant profit. Multinational companies in dealing with these risks require risk management [15]. Companies must manage risk management properly so as not to experience losses. According to Tariqullah & Habib [3], risk management refers to the entire process that requires financial institutions to define a strategic business, identify risks and understand and control risk

characteristics. The risk of foreign exchange fluctuations can be minimized by hedging using derivative instruments [6]. Hedging can be defined as an action to limit foreign exchange risk and exposure. This strategy reduces the risk of loss due to rising prices in the future by using derivative instruments [17]. In this study, hedging is expressed as a dummy variable. Suppose the company uses derivative instruments as hedging activity. In that case, it is assigned number 1 as the category that the company is hedging, and the company is assigned the number 0 if it does not carry out hedging activities. Hedging is a way to minimize risk using various foreign currency derivative instruments, namely, futures contracts, forward contracts, options, and swaps [22].

Firm size is a company classification based on the company's total assets. The company's size can affect the

ease of a company in obtaining external and internal funding sources [1]. Spric and Sevic [7] showed that large company sizes tend to hedge because the company's operations are domestic and foreign using different currencies. Therefore, larger companies will engage in more hedging activities to protect the company from currency exchange rate fluctuations. This is consistent with research conducted [7] and research conducted by Pangestuti [12], which states that firm size variables positively affect hedging decisions using derivative instruments.

The following table shows the average financial ratios of several invoice companies listed on the IDX in 2014-2018 and their hedging decisions.

Table 1
Average financial ratios of several manufacturing companies and hedging decisions in 2014-2018

No	Company	Ln Total Asset	DAR	CR	Description
1	ALTO	27,78	0,60	152,77	Not Hedging
2	KBLI	28,36	0,35	273,59	Hedging
3	GGRM	31,78	0,38	185,18	Not Hedging
4	ASII	33,24	0,48	128,01	Hedging
5	BRAM	29,06	0,34	193,74	Hedging
6	INDS	28,98	0,36	363,33	Not Hedging

Table 1.1 shows that ALTO has the highest DAR of 0.60, but they are not hedged. Meanwhile, BRAM, which has the lowest DAR, is hedging. This contradicts the theory, which states that the higher the DAR, the higher the hedging activity of the company. Likewise, INDS with the highest CR value (363.33) did not perform hedging activities, while ASII with the lowest CR value (128.01) did hedging activities. This contradicts the theory, which states that the higher the CR value, the higher the hedging activity. Also, GGRM, which has a big firm size (31.78), does not hedge, while KBLI has a low firm size (28.36) does hedging activity. This contradicts the theory that the bigger a company is, the higher the hedging activity. This phenomenon is interesting to research further so that the researchers really decide to examine the truth of the research results in the manufacturing company sector on the Indonesia Stock Exchange with different research periods and different variables, namely in the 2014 to 2018 period with the company size variable using Ln proxy. (total assets), debt level using the proxy debt to asset ratio

(DAR) and liquidity using the current proxy ratio. The manufacturing sector's selection is based on the consideration that companies in this sector are generally quite active in carrying out export-import activities, such as importing some of their production elements from abroad, the imported raw materials are paid in foreign currencies. In contrast, the income of manufacturing companies in Indonesia is Rupiah, so that manufacturing companies will be greatly affected by exchange rate fluctuations, which increases the risk of loss for the company.

II. METHOD

A. Location

The research location is in the IDX Investment gallery – Universitas Muhammadiyah Sidoarjo in manufacturing companies listed on the Indonesia Stock Exchange for 2014 - 2018.

B. Population and Sample

This study's population was all manufacturing companies listed on the Indonesian stock exchange as many as 145 companies. The sample was determined by a purposive method with the following criteria: listed on the Indonesia Stock Exchange for the period 2014-2018, published its financial reports in the study period, namely 2014-2018, and presented complete data and financial reports in Rupiah. The sample that met these criteria is 90 companies.

C. Type of Data Source

This study uses quantitative methods with data in the form of numbers, which are then analyzed using statistics to show the relationship between variables and develop hypothesis results related to natural

phenome. Secondary data in this study were obtained in the form of annual financial statements of manufacturing companies for the 2014-2018 period obtained from the Indonesia Stock Exchange on campus 1, Universitas Muhammadiyah Sidoarjo.

D. Data Collecting Technique

Data was collected using documentary sources such as books, journals, theses, notes obtained from Indonesia Stock Exchange documents in the form of manufacturing company annual financial reports from 2014 to 2018. These financial reports were obtained from these companies' websites or Galeri Investasi BEI Universitas Muhammadiyah Sidoarjo.

E. Conceptual Framework

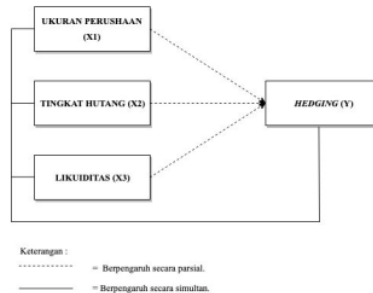


Figure 1. Conceptual Framework

F. Hypotheses

Based on the background, problem formulation, and theoretical studies described above, the hypotheses in this study are:

1. There is an effect of company size on hedging decisions.
2. There is an effect of the level of debt on the hedging decision.
3. There is an effect of liquidity on hedging decisions.
4. There are effects of forest size, debt behavior, and liquidity simultaneously on hedging decisions

G. Analysis Technique

The hypotheses in this study were tested with statistical models and data processing with the assistance of the IBM SPSS program/software 26 (Statistical Product and Service Solution).

a. Descriptive Statistical Analysis

Descriptive statistical analysis provides a description of the average (mean) data, standard deviation, maximum and minimum (Ghozali,

2006). Researchers use descriptions for variables measured on a ratio scale and frequency for variables measured on a nominal scale.

b. Logistic Regression Analysis

According to [5], binary logistic regression, or so-called logistic regression, is a method that can be used to find dichotomous relationships between dependent variables (nominal or ordinal scale 2. Category logistic regression analysis equation model, according to Ghozali [8], is as follows:

$$\ln \frac{p}{1-p} = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \dots + \beta_k X_k$$

Description :
 Ln = Dependent Variable
 P = Probability
 β₀ = Regression Constant
 β₁, β₂, ..., β_k = Regression Coefficient
 X₁, X₂, ..., X_k = Independent
 According to [13], logistic regression analysis also requires several assumptions regarding the nature of the data, one of which is that there is no significant correlation between the independent

variables. Therefore, this study only used one classic assumption, which is the Multicollinearity Test. There was a multicollinearity model in the model; it can be seen from the Table correlation matrix, that is, if there is an independent variable that has a correlation coefficient > 0.8 , it is said that the model contains multicollinearity.

1. Assessing Model Fit (Overall Fit)

The log-likelihood value indicates the overall assessment of the model (-2LogL value), that is, by comparing the -2LogL value at the beginning (block number = 0) where the model only enters a constant with the value -2LogL after the mode enters the independent variable (block number = 1). If the value of -2LogL block number = 0 > the value of -2LogL block number = 1, the regression model is classified as good. Log-likelihood in logistic regression is similar to the "sum of square error" in the regression model. The decrease in log-likelihood shows that the regression model is getting better.

2. Cox and Snell's R Square

This measure tries to mimic the R² measure in multiple regression based on the likelihood estimation technique with a maximum value of less than 1 (one), so it is not easy to interpret. This is done by dividing the value of cox and shell's R² by the maximum value
Hal ini dilakukan dengan cara membagi nilai *cox dan shell's R²* dengan nilai maksimumnya

3. Hosmer and Lemeshow's Godness of Fit Test

If the statistical value of Hosmer and Lemeshow's Godness of Fit Test is equal to or less than 0.05, then hypothesis 0 is rejected. There is a significant difference between the model and its observation value, so that the goodness fit is not good because the model cannot predict its observation value. Meanwhile, if the value is greater than 0.05, the null hypothesis cannot be rejected, meaning that the model can predict the value of the observation or match the data

4. Classification Table

The 2x2 classification table calculates the correct and incorrect estimation values. In the column, there are two predictive values of the dependent variable, and this is vulnerable (1) and not vulnerable (0), while the row shows the real observation value of the dependent variable vulnerable (1) and not vulnerable (0).

III. RESULT AND DISCUSSION

A. Test Result

1. Descriptive Statistics

The statistical description of the object of research, in general, can be seen in the descriptive statistics table as follows:

Table 2
Descriptive Statistics

	N	Minimum	Maximum	Mean	Std.Deviation
FS	450	25.20	33.44	28.7169	1.62867
DAR	450	0.07	5.07	0.5760	0.55752
CR	450	10.54	1064.80	208.1655	168.07222
Valid N (listwise)	450				

Source: Output SPSS

The results of the descriptive statistics table are

- a. The independent variable firm size (FS) as proxied by Ln of total assets has an average value of 28.7169 with a standard deviation of 1.62867.
- b. The independent variable for the debt level is proxied by the debt to assets ratio (DAR), which

has an average value of 0.5760 with a standard deviation of 0.55752.

- c. As proxied by the current ratio (CR), the independent variable of liquidity has an average value of 208.1655 with a standard deviation of 168.07222.

Table 3
Frequency Statistics

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	NOT HEDGING	305	67.8	67.8	67.8
	HEDGING	145	32.2	32.2	100.0
Total		450	100.0	100.0	

Based on the frequency statistics table above, it can be described that the dependent variable, namely the decision to hedge, is a dummy variable where the sample companies that do hedging activities are coded "1". In contrast, the sample companies that do not do hedging activities are coded "0". This variable has a valid value because all existing data can be processed with IBM SPSS 26 assistance. The number of samples of companies that perform hedging activities is 145 or 32.2% of the total sample data. In comparison, the

number of companies that do not do hedging activities is 305 or 67.8%.

2. Logistic regression analysis

The existence of a multicollinearity model in the model can be seen from the Table correlation matrix. If there are independent variables that have a correlation coefficient > 0.8, the model contains multicollinearity. The multicollinearity test results are in the table below:

Table 4
Multicollinearity Test Results

		Constant	FS	DAR	CR
Step 1	Constant	1.000	-0.991	-0.218	-0.168
	FS	-0.991	1.000	0.124	0.064
	DAR	-0.218	0.124	1.000	0.414
	CR	-0.168	0.064	0.414	1.000

It can be concluded that this study does not have a multicollinearity problem because the value of the relationship between one independent variable and another independent variable does not exceed 0.80.

a. Model Fit Assessment

The overall model can be assessed by comparing the value of -2 Log-likelihood in Table 5 and the value of -2 Log-likelihood in Table 6. The results of the overall model study are shown in Table 5 and Table 6 as follows:

Table 5
Block 0 Likelihood

Iteration		-2Log Likelihood	Coefficients Constans
Step 0	1	566.784	-0.711
	2	566.680	-0.743
	3	566.680	-0.744

Table 6
Block 1 Likelihood

Iteration		-2 Log Likelihood	Coefficient			
			Constant	FS	DAR	CR
Step 1	1	554.373	-3.781	0.117	-0.026	-0.001
	2	553.548	-4.302	0.137	-0.045	-0.002
	3	553.544	-4.319	0.138	-0.047	-0.002

	4	553.544	-4.319	0.138	0.047	-0.002
--	---	---------	--------	-------	-------	--------

The initial -2 Log Likelihood value block number = 0 shows a value of 565,680, while the final -2 Log Likelihood value at block number = 1 contained in Table 4.5 gets a value of 553.544. It can be concluded that the value of -2 Log-Likelihood has decreased, indicating that the regression model is good or the hypothesized model is fit with the data.

b. Cox and Snell's R-square

The independent variable's relation to the dependent variable can be seen from the Nagelkerke R Square value. The results of the determination coefficient test are shown in Table 7.

Table 7

Cox dan Snell's R Square

Step	-2 Log Likelihood	Cox & Snell R Square	Nagelkerke R Square
1	553.544 ^a	0.027	0.037

Nagelkerke R-Square value of 0.037 illustrates that the model has a predictive power of 3.7%, which is explained by three variables: Company Size, Liquidity, and Debt Level, while other variables outside the model explain the remaining 96.3%.

c. Hosmer and Lemeshow's goodness of fit test

This test serves to assess the feasibility of the regression model so that there is no difference between the model and the data so that the model can be said to be fit. The results of the Hosmer and Lemeshow's goodness of fit test are as follows:

Table 8

Hosmer and Lemeshow's Godness of Fit Test

Step	Chi-square	df	Sig.
1	8.833	8	0.357

The logistic regression model shows the Hosmer and Lemeshow Test statistical value of 8.833 with a significant probability of 0.357. The significance value greater than 5% indicates that this study's model is acceptable because it matches the observation data.

d. Classification Table

The classification table shows the regression model's predictive power to predict the likelihood of manufacturing companies listed on the IDX for the 2014-2018 period to hedge. The following are the results of the classification table:

Table 9

Classification Table

Observed	Predicted HEDGING		Percentage Correct
	NOT HEDGING	HEDGING	
Step 1 HEDGING	300	5	98.4
NOT HEDGING	138	7	4.8
Overall Percentage			68.2

The table shows that the prediction of companies' observations that did not do hedging was 305, while the actual observation results are 300 with a classification accuracy of 98.4%. Furthermore, the prediction of observations that performed hedging activity was 145, while the observation results were only seven with an accuracy of 4.8%. Thus, overall, this model's accuracy is

68.2%, which means that this study's results are quite good because they are close to 100% accurate.

B. Hypothesis Test

1. Wald Test

The partial hypothesis test can be seen in the table of variables in the equation in the significant column if the significance level is <0.05, which means that the independent variables have a partial effect on the

dependent variable. Wald test results can be seen in the following table:

Table 10
Wald Test

		B	S.E	Wald	df	Sig	Exp (B)	96% C.I for EXP (B)	
								Lower	Upper
Step 1	FS	0.138	0.064	4.690	1	0.030	1.147	1.113	1.300
	DAR	-0.047	0.201	0.065	1	0.815	0.954	0.643	1.415
	CR	-0.002	0.001	5.170	1	0.023	0.998	0.997	1.000
	Constant	-4.319	1.873	5.317	1	0.021	0.013		

Based on the logistic regression, the table shows that there are two independent variables (X) whose significance level is <0.05, namely the Company Size variable with a significant level of 0.030 and the Liquidity variable with a significant level of 0.023. This means that the two independent variables (X) have a partial influence on hedging decisions. Meanwhile, the variable level of debt with a significant level of 0.815 does not partially affect the hedging decision because the significant level value is <0.05.

Table 4.9 produces the following logistic regression equation:

$$\text{Hedging Decision} = -4,319 + 0,138(\text{FS}) + -0,047 (\text{DAR}) + -0,002 (\text{CR})$$

2. Simultaneity Test (Likelihood Ratio Test)

Suppose the calculated chi-square value is greater than the chi-square table or a significant value, 0.05. In that case, it can be said that there is a simultaneous influence on the independent variable on the dependent variable. This simultaneity test can be seen in Table 11 omnibus tests of model coefficients below:

Table 11
Simultaneity Test
Omnibus Tests of Model Coefficients

		Chi-square	df	Sig.
Step 1	Step	12.136	3	0.007
	Block	12.136	3	0.007
	Model	12.136	3	0.007

The table above shows that the calculated chi-square value is 12.136 with a significant value of 0.007, so the considerable value <0.005, which means that H1 is accepted, H0 is rejected. In conclusion, company size, level of debt, and liquidity simultaneously influence hedging decisions in manufacturing companies listed on the IDX in 2014-2018.

C. Discussion

1. The Effect of Firm Size on Hedging Decisions

Firm size, which proxied by the natural logarithm of total assets, affects hedging decisions in manufacturing companies listed on the IDX. The regression coefficient value is positive at 0.138, and Wald's value is 4.690 with a significant value of 0.030. The significant value generated by company size <0.05 means H1 is accepted

and H0 is rejected. Large companies tend to have wide operational activities domestically and abroad, so the risks they face are also greater. This large risk is caused by foreign transactions involving several different currencies in each country. Therefore, large companies tend to hedge to protect themselves from the risk of currency exchange rate fluctuations that may arise. The results of this test have the same results as [20].

2. Effect of debt levels on hedging decisions

The level of debt does not affect hedging decisions in manufacturing companies listed on the IDX in 2014-2018. The variable regression coefficient value is negative -0.047 and has a Wald value of 0.055 with a significant value of 0.815. The significant value generated by the debt level is > 0.05, which means that H0 is accepted and H1 is rejected. This shows that companies with high debt

do not necessarily need to hedge because most of the company's debt comes from within the country. This can be because companies conducting international transactions do not have debts denominated in foreign exchange rates, so they do not need hedging.

3. The effect of liquidity on hedging decisions

Liquidity affects hedging decisions in manufacturing companies listed on the IDX in 2014-2018. The regression coefficient is negative at -0.002 and has a Wald value of 5.170 with a significant value of 0.023. The significant value generated by company size is <0.05, which means H1 is accepted and H0 is rejected. In meeting its short-term obligations, a company will get heavier if it has short-term debt dominated by foreign currency because the value of the debt will fluctuate in line with the local currency exchange rate movement against U \$ dollars. When the Rupiah depreciates, the debt value will increase, and when the Rupiah is appreciated, the value of the debt will decrease. This situation creates a greater risk to be borne by the company so that the company is encouraged to undertake hedging, which can be done with foreign currency derivative instruments.

4. Simultaneous influence of company size, level of debt, and liquidity on hedging decisions

Company size, level of debt, and liquidity simultaneously affect hedging decisions. By obtaining the calculated chi-square value of 12.136 with a significant value of 0.007, the considerable value <0.005 means that H1 is accepted. H0 is rejected. This is in line with research [17], which states that internal factors influence hedging decision making, namely: debt to equity, current ratio, and firm size.

IV. CONCLUSION AND SUGGESTION

A. Conclusion

Based on the results of the data analysis carried out in the previous chapter, the researcher can conclude that:

1. Firm size has a significant effect on hedging decisions
2. The level of debt does not affect hedging decisions
3. Liquidity has a significant effect on hedging decisions
4. Company size, level of debt, and liquidity simultaneously have a significant effect on hedging decisions

B. Suggestion

The researchers suggest that future researchers use a sample outside of manufacturing companies listed on the IDX with the most recent research year and discuss hedging that is useful for protecting interest rates.

REFERENCES

- [1] Aretz, K., Bartram, S. M., & Dufey, G. (2007). Why hedge? Rationales for corporate hedging and value implications. *Journal of Risk Finance*, 8(5), 434-449. <https://doi.org/10.1108/15265940710834735>
- [2] Ariani, N., & Sudiartha, G. (2017). Pengaruh Leverage, Profitabilitas, Dan Likuiditas Terhadap Keputusan Hedging Perusahaan Sektor Pertambangan Di Bursa Efek Indonesia. *E-Jurnal Manajemen Universitas Jayabaya*, 6(1), 347-374.
- [3] Astuti, N. K. B., & Yadnya, I. P. (2019). Pengaruh Profitabilitas, Likuiditas, Dan Ukuran Perusahaan Terhadap Nilai Perusahaan Melalui Kebijakan Dividen. *E-Jurnal Manajemen Universitas Udayana*, 8(5), 3275. <https://doi.org/10.24843/ejmunud.2019.v08.i05.p25>
- [4] Astyrianti, N., & Sudiartha, G. (2017). Pengaruh Leverage, Kesempatan Tumbuh, Kebijakan Dividen Dan Likuiditas Terhadap Keputusan Hedging Pt. Unilever Tbk. *E-Jurnal Manajemen Universitas Udayana*, 6(3), 1312-1339.
- [5] Brigham, E., & Houston, J. F. (2007). *Dasar-dasar Manajemen Keuangan* (Edisi Kesembilan). Selemba Empat.
- [6] Diah Windari, I. G. M., & Purnawati, N. K. (2019). Pengaruh Leverage, Ukuran Perusahaan, Dan Likuiditas Terhadap Keputusan Hedging pada Perusahaan Manufaktur Terdaftar Di Bei. *E-Jurnal Manajemen Universitas Udayana*, 8(8), 4815. <https://doi.org/10.24843/ejmunud.2019.v08.i08.p04>
- [7] Fitriyanti, F. (2011). Value Drivers terhadap Nilai Pemegang Saham Perusahaan yang Hedging di Derivatif Valuta Asing. *Jurnal Manajemen Bisnis*, 1(1), 89-102.
- [8] Ghozali, I. (2018). *Aplikasi Analisis Multivariate dengan Program IBM SPSS 25* (Edisi Kese). Badan Penerbit Universitas Diponegoro.
- [9] Griffin, R., & Pustay, M. W. (2005). *Bisnis Internasional* (Edisi Keem). PT. Indeks Kelompok Gramedia.
- [10] Guniarti, F. (2015). Faktor-Faktor Yang Mempengaruhi Aktivitas Hedging Dengan Instrumen Derivatif Valuta Asing. *Jurnal Dinamika Manajemen*, 5(1), 64-79. <https://doi.org/10.15294/jdm.v5i1.3651>
- [11] Husnan, S. (1997). *Manajemen Keuangan Teori dan Penerapan* (Keempat). PT Gramedia Pustaka Utama.
- [12] Krisdian, N., & Badjra, I. (2017). Pengaruh Ukuran Perusahaan, Tingkat Hutang, Dan Kesulitan Keuangan Terhadap Keputusan Hedging Pada Perusahaan Manufaktur Indonesia. *E-Jurnal Manajemen Universitas Udayana*, 6(3), 1452-1477.
- [13] Lesmana, N. V. D., & Musdholifah. (2019). *Faktor-Faktor Internal Keputusan Hedging dan Dampaknya pada Nilai Perusahaan Miscellaneous Industry*. 7, 857-867.
- [14] Madura, J. (2006). *International Corporate Finance* (Edisi Kede). Selemba Empat.
- [15] Marcus, B. M. (2010). *Dasar-dasar Manajemen Keuangan Perusahaan* (Edisi Kelima). Selemba Empat.
- [16] Raras Kinasih, D. P. K. M. (2019). Pengaruh Likuiditas, Leverage, Dan Nilai Tukar Rupiah Terhadap Penggunaan Instrumen Derivatif Sebagai Keputusan Hedging (Studi pada Bank Konvensional yang

- Terdaftar Di BEI Periode 2014-2017). *Jurnal Ilmiah MEA (Manjamen, Ekonomi, & Akntansi)*, 3(c), 63-80. <https://doi.org/10.31955/mea.vol3.iss1.pp63-80>
- [17] Reni Utami Dewi, K., & Purnawati, K. (2016). Pengaruh Market To Book Value Dan Likuiditas Terhadap Keputusan Hedging Pada Perusahaan Manufaktur Di Bei. *E-Jurnal Manajemen Universitas Udayana*, 5(1), 355-384.
- [18] Samsul, M. (2010). *Pasar Berjangka Komoditas dan Derivatif*. Selemba Empat.
- [19] Sarwono, J. (2006). *Metode Penelitian Kualitatif & Kuantitatif* (Edisi Pert). Graha Ilmu.
- [20] Saraswati, A. P. S., & Suryantini, N. P. S. (2019). Pengaruh Leverage, Firm Size, Profitabilitas Terhadap Keputusan Hedging Pada Perusahaan Manufaktur Di Bursa Efek Indonesia. *E-Jurnal Manajemen Universitas Udayana*, 8(5), 2999. <https://doi.org/10.24843/ejmunud.201908.i05.p15>
- [21] Widyagoca, Ig., & Lestari, P. (2016). Pengaruh Leverage, Growth Opportunities, Dan Liquidity Terhadap Pengambilan Keputusan Hedging Pt. Indosat Tbk. *E-Jurnal Manajemen Universitas Udayana*, 5(2), 122-1308
- [22] Wong, K. L. (2006). Financial management. In *Professional Housing Management Practices in Hong Kong*. https://doi.org/10.5005/jp/books/10677_12
- [23] Yusgiantoro, P. (2004). *Manajemen Keuangan Internasional*. Fakultas Ekonomi UMiversitas Indonesia.
- [24] Yuliati, S. H. (1998). *Dasar-dasar Manajemen Keuangan Internasional* (Edisi Pert). ANDI Yogyakarta.

15. Do the Firm Size, Debt Level, and Liquidity Have Impact on the Hedging Decisions_Atlantis Press.pdf

ORIGINALITY REPORT

17%

SIMILARITY INDEX

17%

INTERNET SOURCES

11%

PUBLICATIONS

10%

STUDENT PAPERS

PRIMARY SOURCES

1	ijssr.ridwaninstitute.co.id Internet Source	1%
2	core.ac.uk Internet Source	1%
3	Submitted to University College for the Creative Arts at Canterbury, Epsom, Farnham, Maidstone and Rochester Student Paper	1%
4	repository.unpas.ac.id Internet Source	1%
5	docplayer.net Internet Source	1%
6	digilib.unimed.ac.id Internet Source	1%
7	repository.uph.edu Internet Source	1%
8	Submitted to University of Melbourne Student Paper	1%

9	www.buscompress.com Internet Source	1 %
10	Submitted to Universitas Islam Indonesia Student Paper	1 %
11	download.garuda.kemdikbud.go.id Internet Source	1 %
12	etd.uum.edu.my Internet Source	1 %
13	Submitted to iGroup Student Paper	1 %
14	ojs.unm.ac.id Internet Source	1 %
15	journal.univpancasila.ac.id Internet Source	1 %
16	ejournal.ukrida.ac.id Internet Source	1 %
17	eprints.unm.ac.id Internet Source	1 %
18	www.owner.polgan.ac.id Internet Source	1 %
19	Submitted to Academic Library Consortium Student Paper	1 %
20	. Harjadi, Pardomuan Sihombing. "Financial Distress Analysis of Registered Insurance	1 %

Companies in Indonesia Stock Exchange 2015-2019", European Journal of Business and Management Research, 2020

Publication

21	ekobis.stieriau-akbar.ac.id	1 %
Internet Source		
22	giapjournals.com	1 %
Internet Source		
23	jurnal.unpand.ac.id	1 %
Internet Source		

Exclude quotes Off

Exclude matches < 1%

Exclude bibliography Off