
EFFECT OF TAX PLANNING, AUDIT QUALITY, AND CAPITAL INTENSITY ON COMPANY VALUE WITH INDEPENDENT COMMISSIONERS AS MODERATION VARIABLES

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ABSTRACT

This study aims to test tax planning, audit quality, and capital intensity against company value moderated by independent commissioners. The purposive sampling method was used as a method in collecting his research data and the multiple regression equation model was used as his statistical analysis tool with the application of SPSS 25. The sample in this study is 29 issuers on the Indonesia Stock Exchange, especially manufacturing sector companies whose financial statements have been published for 5 (five) years from 2017 to 2021. Based on the results of this study showing that tax planning negatively affects the value of the company, independent commissioners audit quality strengthens the relationship between audit quality and company value. The quality of audits and independent commissioners tax planning has an insignificant effect on the value of the company. In addition, capital intensity, and independent commissioner capital intensity have no effect on the value of the company.

INTRODUCTION

One of the main goals of the company is to increase the wealth of shareholders. Measurement in the assessment of shareholders' wealth can be done by looking at the value of the company. The high value of the company reflects the good condition of the company. This will have a lot of impact on several things including the assessment of outsiders in business development and for internal parties, namely the assessment of good management performance.

(Ningrum, 2021) company value information can be seen from the financial statements published by the company, these financial statements are a reflection of the company's financial performance. Financial statements are the end of a process in accounting to provide a complete and reasonable picture of the actual conditions that occur in the company. Along the way, the conditions described in the company's financial statements can provide biased information that does not correspond to the reality that actually occurred. One of the reasons is the existence of several interests in each individual with the aim that his performance looks good in the eyes of shareholders. This is in accordance with the theory of agencies, in this theory where the owner of the company and the manager of the company that is considered an agent have two different interests. The value of the company can be influenced by tax planning.

(Le, Vu, & Nguyen, 2022) expectations of companies wanting a broad scope in reducing tax liability through tax planning. Various steps were taken to take advantage of the loopholes in achieving such actions. Agency and traditional theory are two perspectives to explain the relationship between tax planning and corporate value. Agency theory argues that tax planning harms the value of the company because managers can reduce accounting or tax liability income (VU & LE, 2021) the consequences of tax planning can bring benefits or create costs for the company. Tax planning is effective when the benefits outweigh the costs. As a result, the value of the company increases. (Wijaya, 2020) The Indonesian capital market gives positive appreciation to companies that have been audited with higher quality. Higher audit quality is expected to reduce agency costs, reduce information asymmetry, and increase company value. Companies are advised to use higher quality auditors to increase the value of the company in the Indonesian capital market.

(Alsmairat, Yusoff, Fairuz, & Basnan, 2018) companies that have high audit quality can minimize audit failures and profit management. If this can be addressed, then it could potentially help reduce agency costs and prevent value reduction diversification motivated by agency conflicts.

Isaac et al. (2021) knowledge is the main source of competitive advantage and can increase economic growth and company value. In the field of auditing, the authority is aware of the need for improved reporting and has thus issued a new standard regarding auditor reports. While new reports are expected to improve audit reporting and improve audit quality, the move could also increase audit costs as auditors need to expand their efforts in conducting audits.

The high value of the company reflects the good condition of the company, this condition can increase investor confidence in the inclusion of capital for the survival of the company. Capital is one of the main factors in increasing the value of the company. In increasing the value of the company, the company not only needs policies controlled by the owner and the implementation of planning from management but must also be supported by adequate capital forces. Capital intensity can affect the value of the company. High capital intensity can cause depreciation expenses as well as high, this can affect the company's profit which causes the company's value to rise or fall.

(Alamsah & Adi, 2022) capital intensity affects the value of the company. Capital intensity is measured using the comparison of fixed assets with total assets, this gives an idea that the effectiveness of the company in using assets can increase the value of the company. This can happen because almost all fixed assets are depreciated, and depreciation costs are costs that can reduce income in the calculation of corporate taxes. Thus, the greater the depreciation fee, the smaller the tax rate that must be paid by the company which has implications for increasing revenue.

Based on POJK number 33/POJK.04/2014, members of the board of commissioners can hold concurrent positions a) at most two people for other issuers as members of the board of directors or commissioners, b) at most four people for other issuers as members of the board of commissioners, if: the board of commissioners does not concurrently serve as a member of the board, c) a maximum of five people; The board member concerned with the board member or other board member, as long as it does not meet the provisions of other regulations. If there are differences with other regulations.

The purpose of this study is to test the effect of tax planning, audit quality, and capital intensity on company value. As well as testing whether independent commissioners can moderate tax planning, audit quality, and capital intensity to the value of companies in manufacturing companies listed on the Indonesia Stock Exchange (IDX) during the research period.

This research examines companies listed on the Indonesia Stock Exchange with a five-year period (2017-2021). The object of his research is the enterprises of the subsector of the consumer goods industry. Research was conducted on companies in the consumer goods industry subsector which is one of the subsectors that have a significant contribution to economic growth. In addition, the industry in this sector supports people's daily activities. Based on the background that has been described, the title of this study is "The effect of tax planning, audit quality, and capital intensity, on company value, with independent commissioners as moderation variables".

METHOD RESEARCH

This research is a type of quantitative research. The population in this study is a subsector of the consumer goods industry listed on the Indonesia Stock Exchange for the 2017-2021 period. The number of samples was 45 taken using purposive sampling techniques with the following criteria:

1. The Company publishes audited financial statements using rupiah currency for the period 31 December 2017 – 31 December 2021.
2. The company did not experience delisting from the stock exchange during the period 31 December 2017 – 31 December 2021.
3. The company experiences profit before income tax.

A. Company Value

(Alamsah & Adi, 2022), Vu et al. (2021), (Jihadi et al., 2021), and (Abba & Sadah, 2020), Tobins Q was first introduced by Nicholas Kaldor in 1966 which was later in 1968 reintroduced by James Tobin, an American economist who hypothesized that corporate replacement costs should be equal to the combined market value of companies in the stock market. Through Tobin's Q, if a ratio of 1 (one) is obtained, the company is valued equally between the value of the listed company and the value of the company in the market. If it is below 1 (one), the company is under valued or in the market the value of the company is below the recorded value. On the other hand, if it is above 1 (one) then the company is overvalued or valued higher in the market than the value of the company. Using market data, of course, management cannot carry out manipulations, other than trying to increase the value of the company.

$$TQ = \frac{EMV + Total Debt}{Total Assets} \dots\dots\dots(I)$$

Information:

TQ : Company Values

EMV : Equitas Market Value

EMV is obtained from the result of multiplying the closing price at the end of the year (closing price) by the number of shares outstanding at the end of the year.

B. Tax Planning

Tax planning in this study is proxied with the effective tax rate which is a comparison of tax expense minus deffered tax expense divided by taxable profit (VU & LE, 2021) and (Siahaan, Malau, & Sembiring, 2022).

$$\text{Effective Tax Rate (ETR)} = \frac{\text{Tax Expense} - \text{Deffered Tax Expense}}{\text{Earning Before Tax}} \dots\dots\dots(\text{II})$$

C. Audit Quality

Measurement of audit quality based on research that has been studied by (Aca, Musa, & Garba, 2020), and (Abba & Sadah, 2020), and Monametsi et al. (2020), the measure of auditor quality is measured using dummy variables, namely for the Company's financial statements audited by kap in the big 4 classification (big-four) during the research period given a value of 1 (one) while outside the classification is given a value of 0 (zero).

$$\text{Quality of audit} = \text{Big Four} \dots\dots\dots(\text{IV})$$

D. Capital Intensity

(Apriyanti & Arifin, 2021), (Kalbuana, Solihin, Yohana, & Yanti, 2020) companies with large fixed assets will charge large depreciations so as to generate small profits. Small profits result in a small corporate tax burden. Thus, the size of fixed assets owned by the company can increase the potential of the company to carry out acts of tax aggressiveness. The capital intensity ratio (CIR) proxy is formulated as follows:

$$\text{Capital Intensity Ratio (CIR)} = \frac{\text{Total Fixed Assets}}{\text{Total Assets}} \dots\dots\dots(\text{V})$$

E. Independent Commissioner

(Apriyanti & Arifin, 2021), and (Sutiyono, 2022), independent commissioners are part of the board of commissioners elected through the General Meeting of Shareholders (GMS) from parties who do not have a relationship with members of the board of directors, members of the board of commissioners and general shareholders. Independent commissioners are proxied as follows:

$$\text{Independent Commissioner} = \frac{\text{Number of Independent Commissioner Members}}{\text{Number of Members of the Board of Commissioners}} \dots\dots\dots(\text{VI})$$

F. Leverage

The control variable in this study is leverage. (Lamba & Atahau, 2022) a company that uses a larger source of debt funds than its own capital can get greater profits for investors than a company that uses a smaller source of debt funds. This is because the company will first prioritize obligations for the expenses it has before distributing to investors. The source of funds from debt can be used in rotating the company's activities in order to obtain profits that can increase the value of the company.

The measurement of leverage in the study is based on previous research conducted by Sari et al. (2022) and (Nadhiyah & Fitria, 2021) where leverage in this study is proxied with a debt to equity ratio. Debt to equity ratio is a ratio used to find out how much part of each rupiah of capital is used as collateral for debt. Leverage is calculated by the formula:

$$\text{Debt to Equity Ratio} = \frac{\text{Total (debt)}}{\text{(equity)}} \times 100\% \dots\dots\dots(\text{VII})$$

There are several ways that can be used to analyze data in a study. The analysis in this study used descriptive statistics and hypothesis testing. The analysis technique used for hypothesis testing is multiple regression analysis

G. Descriptive Statistical Testing

(Ghozali, 2016) descriptive statistics provide an overview or description of a data seen from the average value (mean), standard deviation, variance, maximum, minimum, sum, range, kurtosis, and skewness (distribution scoring). The descriptive statistics used in this study are the mean, maximum, minimum, standard deviation, and variance values of each of the variables studied.

H. Regression Equation

The regression equation of company value in this study can be measured as follows:

$$FV = \alpha - \beta_1.TP + \beta_2.KA + \beta_3.CI - \beta_4.KOMIND*TP + \beta_5.KOMIND*KA + \beta_6.KOMIND*CI + \varepsilon \dots\dots\dots(VIII)$$

Information:

FV = *Firm Value*
 TP = *Tax Planning*
 KA = *Audit Quality*
 CI = *Capital Intensity*
 KOMIND = *Independent Commissioner*
 ε = *Error*

RESULT AND DISCUSSION

Table 1

$FV = \alpha - \beta_1.TP + \beta_2.KA + \beta_3.CI - \beta_4.KOMIND*TP + \beta_5.KOMIND*KA + \beta_6.KOMIND*CI + \varepsilon$						
Variable	Prediction	Coefficient	1-Tailed	Glejser Test	Statistics Collinearity	
					Tolerance	VIF
Constanta		2,696	0,0040	0,001		
ETR	-	-1,750	0,0415	0,698	0,136	7,339
KA	+	-2,882	0,0025	0,176	0,202	4,946
CI	+	-0,791	0,2151	0,295	0,369	2,708
KOMIND*ETR	-	2,252	0,0130	0,891	0,140	7,140
KOMIND*KA	+	1,791	0,0353	0,475	0,197	5,086
KOMIND*CI	+	1,424	0,753	0,451	0,154	6,498
Normality Test		0,200				
Durbin-Watson Stat		0,887				
Adjusted R2		0,092				
Prob (F-Statistics)		0,014				
Total Observation		115				

Source: SPSS Output Results

A. Normality Test

The results from table 1 above show that significant data of 0.200 which is above 0.05. Therefore, the residual value is distributed normally so that the research model is stated to have met the assumption of normality.

1. Heterochedasticity Test

In this case using the glejser test where the absolute regressing of the error with an independent variable, it is expected that there are no significant variables. The result of this test is that the probability value is greater than the significant level (0.05) then it does

not reject H_0 . It can be concluded that residual models have met the assumption of homogeneity / non heterokedasticity.

2. Multicholinerity Test

Table 1 shows that the variables Tax Planning, Audit Quality, Capital Intensity, Independent Commissioner, Independent Commissioner*Tax Planning, Independent Commissioner*Audit Quality, Independent Commissioner*Capital Intensity have a VIF of < 10 . Then H_0 is accepted, meaning that the variables indicate no symptoms of colinearity. In other words, the relationship between variables does not have a very strong correlation with other variables. In other words, it can be concluded that the regression model used avoids the problem of multicholinerity.

3. Autocorrelation Test

Durbin-Watson (D-W) autocorrelation test results, from the table above, the D-W value is 0.887 (D-W number between -2 to +2) which means that there is no regression model autocorrelation in this study.

B. R & R-Square Test (Coefficient of Determination)

Table 4.1 shows the adjusted r square values of $0.092 > 0$ and close to 1, so the independent variables provide almost all the information needed to predict the variation of the dependent variable. While the R value is 0.385

1. F Test

Table 4.1 shows that the independent variables tested had a significant effect on the profit quality variables. This can be seen from the calculated F value whose value is 2.659 with a probability level of 0.014 (significance), because the probability is much smaller than 0.05, the regression model can be used to predict the value of the company.

2. Tax planning negatively affects the value of the company

The results of the regression analysis showed that the significance value was 0.0415 and had a beta value of -1.750. When compared to the alpha value of 5%, this significant value is much smaller ($0.0415 < 0.05$). The results of this study are in accordance with research conducted by [Thin Vu et al. \(2021\)](#) and [\(Le et al., 2022\)](#), tax planning negatively affects the value of the company. The more often the company minimizes the tax burden, the more the value of the company will increase. Companies view taxes as a burden that can reduce revenue, so companies try to be able to pay as little tax as possible by doing tax planning.

3. Audit quality positively affects the value of the company

The results of the regression analysis showed that the significance value was 0.0025 and had a beta value of -2.882. When compared to the alpha value of 5%, this significant value is smaller ($0.0025 < 0.05$). The quality of the audit has an insignificant effect on the value of the company. The results of this study are in line with research conducted by [\(Aca et al., 2020\)](#) audit quality has a negative influence on company value. Companies that have low audit quality can increase audit failures and will affect the value of the company.

C. Capital intensity positively affects the value of the company

The results of the regression analysis showed that the significance value was 0.2151 and had a beta value of -0.791. When compared to the alpha value of 5%, this significant

value is greater ($0.2151 > 0.05$). Capital intensity has no effect on the value of the company. The results of this study are in line with the research conducted by (Putra & Dondoan, 2021). Capital intensity does not have a significant influence on the value of the company. This is because it is possible that the low growth of capital or assets in the company can reduce the value of the company so that investors no longer want to invest in the company.

D. Independent commissioner strengthens the effect of tax planning on company value

The Result of the Regression analysis showed that the significance value was 0.0130 and had a beta value of 2.252. When compared to an alpha value of 5%, this significant value is smaller ($0.0130 < 0.05$). Independent commissioners reinforce the influence of tax planning and corporate value. The existence of independent commissioners strengthens supervision of management in carrying out tax planning actions that can affect the value of the company.

E. Independent commissioners strengthen the effect of audit quality on company value

The result of the Regression analysis showed that the significance value was 0.0353 and had a beta value of 1.791. When compared to the alpha value of 5%, this significant value is smaller ($0.0353 < 0.05$). Independent commissioners strengthen the effect of audit quality on company value. The existence of independent commissioners makes companies that are being audited by qualified auditors further increase the value of the company.

F. Independent commissioners strengthen the effect of capital intensity on company value

The results of the regression analysis showed that the significance value was 0.7530 and had a beta value of 1.424. When compared to the alpha value of 5%, this significant value is greater ($0.7530 > 0.05$). Independent commissioners do not reinforce the effect of capital intensity on company value. This is because investors can see and analyze directly the assets of the company through the company's audited financial statements.

CONCLUSION

Based on the results of the analysis and discussion that have been described, several conclusions can be drawn as follows: Tax planning negatively affects the value of the company. The company views taxes as a burden that can reduce revenue, so the company tries to be able to pay the smallest possible tax by doing tax planning. Audit quality has an insignificant effect on the value of the company. Companies that have low audit quality can increase audit failures and will affect the value of the company. Capital intensity does not have a positive effect on the value of the company. The existence of low capital or asset growth in the company can reduce the value of the company so that investors no longer want to invest in companies. Independent commissioners strengthen the effect of tax planning on company value. The existence of independent commissioners strengthens supervision of management in carrying out tax planning actions that can affect company value. Independent commissioners strengthen the influence of audit quality on company value. The existence of independent commissioners makes companies that are being audited by qualified auditors further increase company value. Independent commissioners do not strengthen the effect of capital intensity on the value of the company. Investors look at and analyze directly the assets of the company through the company's audited financial statements.

REFERENCES

- Abba, Hirhyel Ibrahim, & Sadah, Abdon Ahmed. (2020). Audit Quality And Firm Value Of Listed Deposit Money Banks In Nigeria. *International Journal Of Economics And Financial Issues*, 1(4), 269–282. [Google Scholar](#)
- Aca, Ahmed Ishaku, Musa, Farida, & Garba, Mubarakatu. (2020). Audit Quality And Firm Value Of Listed Insurance Companies In Nigeria. *Gsj*, 8(7). [Google Scholar](#)
- Alamsah, Jenal, & Adi, Ahmad Eko. (2022). Pengaruh Perencanaan Pajak Dan Capital Intensity Terhadap Nilai Perusahaan. *Fair Value: Jurnal Ilmiah Akuntansi Dan Keuangan*, 4(12), 5564–5571. [Google Scholar](#)
- Alsmairat, Yazan Yaseen Yousef, Yusoff, Wan Sallha, Fairuz, Mohd, & Basnan, Norida. (2018). International Diversification, Audit Quality And Firm Value Of Jordanian Public Listed Firm. *Academy Of Accounting And Financial Studies Journal*, 22, 1–7. [Google Scholar](#)
- Apriyanti, Hani Werdi, & Arifin, Muhamad. (2021). Tax Aggressiveness Determinants. *Journal Of Islamic Accounting And Finance Research–Vol*, 3(1). [Google Scholar](#)
- Ghozali, Imam. (2016). Aplikasi Analisis Multivariate Dengan Program Ibm Spss 23 (Edisi 8). *Cetakan Ke VIII. Semarang: Badan Penerbit Universitas Diponegoro*, 96. [Google Scholar](#)
- Grabner, David, Nikolay Gromov, And Julius Julius. 2020. “Excited States Of One-Dimensional Defect Cfts From The Quantum Spectral Curve.” *Journal Of High Energy Physics* 2020(7): 1–28. [Google Scholar](#)
- Isaac, Roi, Felipe Castellani Gomes Reis, Wei Ying, And Jerrold M Olefsky. 2021. “Exosomes As Mediators Of Intercellular Crosstalk In Metabolism.” *Cell Metabolism* 33(9): 1744–62. [Google Scholar](#)
- Jihadi, M., Vilantika, Elok, Hashemi, Sayed Momin, Arifin, Zainal, Bachtiar, Yanuar, & Sholichah, Fatmawati. (2021). The Effect Of Liquidity, Leverage, And Profitability On Firm Value: Empirical Evidence From Indonesia. *The Journal Of Asian Finance, Economics And Business*, 8(3), 423–431. [Google Scholar](#)
- Kalbuana, Nawang, Solihin, Solihin, Yohana, Yohana, & Yanti, Devia Rahma. (2020). The Influence Of Capital Intensity, Firm Size, And Leverage On Tax Avoidance On Companies Registered In Jakarta Islamic Index (Jii) Period 2015-2019. *International Journal Of Economics, Business And Accounting Research (Ijebar)*, 4(03). [Google Scholar](#)
- Lamba, Angryani Bertha, & Atahau, Apriani Dorkas Rambu. (2022). Pengaruh Leverage Terhadap Nilai Perusahaan Yang Dimediasi Profitabilitas. *Reviu Akuntansi Dan Bisnis Indonesia*, 6(1), 16–31. [Google Scholar](#)
- Le, Vinh Hoang, Vu, Thu Anh Thi, & Nguyen, Minh Hoang. (2022). Tax Planning And Firm Value: The Case Of Companies With Different State Ownership In Vietnam. *Journal Of Eastern European And Central Asian Research (Jeecar)*, 9(2), 333–343. [Google Scholar](#)

- Malau, Harman. 2018. "Manajemen Pemasaran Teori Dan Aplikasi Pemasaran Era Tradisional Sampai Era Modernisasi Global." [Google Scholar](#)
- Monametsi, Gladness L, And Ester Agasha. 2020. "Audit Quality And Firm Performance: Evidence From Botswana And Uganda." [Google Scholar](#)
- Nadhiyah, Putri, & Fitria, Astri. (2021). Pengaruh Good Corporate Governance, Profitabilitas, Dan Leverage Terhadap Nilai Perusahaan. *Jurnal Ilmu Dan Riset Akuntansi (Jira)*, 10(4). [Google Scholar](#)
- Ningrum, Endah Prawesti. (2021). The Role Of Institutional Ownership, Independent Board Of Commissioners, And Managerial Ownership On Earnings Management In Manufacturing Companies. *International Journal Of Contemporary Accounting*, 3(2), 153–170. [Google Scholar](#)
- Putra, Robiur Rahmat, & Dondoan, Gracelia Angelina. (2021). Pengaruh Corporate Governance Dan Intensitas Modal Terhadap Firm Value Dengan Tax Planning Sebagai Pemoderasi. *Media Akuntansi Perpajakan*, 6(1), 40–47. [Google Scholar](#)
- Sari, Rini Fauziah, And Ekasatya Aldila Afriansyah. 2022. "Kemampuan Berpikir Kreatif Matematis Dan Belief Siswa Pada Materi Persamaan Dan Pertidaksamaan Linear." *Plusminus: Jurnal Pendidikan Matematika* 2(2): 275–88. [Google Scholar](#)
- Siahaan, Winda Christy, Malau, Melinda, & Sembiring, Caroline F. (2022). Pengaruh Ukuran Perusahaan, Return On Assets (Roa) Dan Pertumbuhan Penjualan Terhadap Penghindaran Pajak Pada Perusahaan Lq45 Yang Terdaftar Di Bei Periodetahun 2017-2020. *Fundamental Management Journal*, 7(1), 57–77. [Google Scholar](#)
- Sutiyono, Marlina Liu. (2022). *Analisis Pengaruh Corporate Social Responsibility, Dewan Komisaris Independen Dan Profitabilitas Terhadap Nilai Perusahaan (Studi Empiris: Perusahaan Sub Sektor Perdagangan Eceran Yang Terdaftar Di Bursa Efek Indonesia Periode 2016–2021)*. Universitas Buddhi Dharma. [Google Scholar](#)
- Vu, Hang P Et Al. 2021. "Factors Governing Microalgae Harvesting Efficiency By Flocculation Using Cationic Polymers." *Bioresource Technology* 340: 125669. [Google Scholar](#)
- Vu, Thu Anh Thi, & Le, Vinh Hoang. (2021). The Effect Of Tax Planning On Firm Value: A Case Study In Vietnam. *The Journal Of Asian Finance, Economics And Business*, 8(2), 973–979. [Google Scholar](#)
- Wijaya, Anggita Langgeng. (2020). *The Effect Of Audit Quality On Firm Value: A Case In Indonesian Manufacturing Firm*. [Google Scholar](#)

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