

**Of Deferred Tax Assets, Deferred Tax Expenses and Income Tax On Income
Smoothing with Public Ownership As A Moderating Variable**

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ABSTRACK

The purpose of this study was to obtain evidence of the effect of deferred tax assets, deferred tax expense and income tax on income smoothing practices and using public ownership as a moderating variable. This research is causal in nature which provides an explanation of the relationship between cause and effect between the independent variables and the dependent variable. This study uses financial statement data that has been uploaded to the Indonesia Stock Exchange (IDX) website. There are 129 samples used in the study. Purposive sampling was chosen as the sample selection method and for data analysis the method used was multiple linear regression analysis. In the research, the results can be seen if deferred tax assets have no effect on income smoothing measures, deferred tax expense has a positive effect on income smoothing measures, income tax also has a positive effect on income smoothing measures, and public ownership cannot strengthen the effect of assets. deferred tax and deferred tax expense on income smoothing measures but public ownership can strengthen the effect of income tax on income smoothing.

Keywords : Deffered Tax Assets, Deffered Tax Expenses, Income Tax, Public Ownership, Income Smoothing.

INTRODUCTION

Earnings management tends to be carried out by management, or what is known as earnings manipulation. The profit value presented in the financial statements will not match the existing reality if management takes income smoothing actions. Smoothing the value of earnings has been considered a reasonable action so that the company's management may do it to attract investors (Barnea, Ronen and Sadan, 1975).

One way that can be done to avoid fluctuations in earnings is to perform income smoothing (Nasser and Herlina, 2003). In the selection of accounting methods to perform income smoothing, various accuracy and strategies are needed with the understanding: (1) Increasing Income, namely income that has not occurred but it has been recorded, delaying recording of expenses that should be recognized in the current period, (2) If the company is in a bad condition, the management takes a big bath, (3) Income Smoothing, which is intentionally leveling profits, either lowered or increased in order to avoid reporting movements profit, so that the

company remains seen in a safe and stable condition.

The importance of earnings information makes management must always display the best company performance which can then be seen from the financial statements. With these demands and encouragement, profit distribution becomes a solution for management to overcome problems that may arise from the actual condition of the company. Agency theory explains how to distribute profits. In the description it is stated that the conflict of interest between stakeholders and the company affects the practice of income smoothing.

Managers must have clear and reasonable reasons for smoothing profits in financial statements (Murti, 2016). Of the many countries that call this less or even bad, for Sweden it is okay to do so as long as the difference is only temporary.

To maximize the company's goals, one way to do it is to make profits look real. Many parties are still questioning the action of income smoothing because according to them doing so creates lies for users of financial statements (Yanti & Hartono, 2019).

Stakeholders need useful information. The accuracy and timeliness of delivery is the basis used to determine whether the information is useful or not (Rachmawati, 2008).

The deferral of taxes occurs because of a temporary difference between accounting profit (used by parties who are not from the government) and profits according to tax regulations (used by the government, especially the tax authorities). Deferred tax deferral arises due to differences in the value of profit according to accounting and tax so that the difference is recorded in the deferred tax asset or deferred tax liability account. To maintain business stability, management must predict the amount of deferred tax.

This study was conducted with the aim of analyzing the factors that influence income smoothing practices, such as deferred tax assets, deferred tax expense and income tax and the effect of public ownership as moderating variables of deferred tax assets, deferred tax expense and income tax on income smoothing.

LITERATURE REVIEW

Positive accounting theory is one theory that can be used by management to predict conditions that are better than current conditions with various choices of using accounting standards. In this theory, experts explain how to create a flow that is constructive and predicts the best. The basis used in this theory is political power and social systems which are considered free and do not depend on company management. In this flow, experts position themselves as individuals who are always positive and independent so that they cannot be influenced by other parties.

This theory explains the causes and how the occurrence of an event related to accounting. So, this theory is intended to assist management in predicting an event in the future so that it can anticipate it and prepare several options to overcome it. The relationship between stakeholders is the basis for predicting and explaining how this positive accounting theory can be implemented.

Agency

In this theory, the preferred relationship is the role of the agent with the rules that bind the relationship. Agency theory is closely related to earnings management practices that may be carried out by company management. This theory states that to avoid conflicts of interest that may arise between management and stakeholders, management tends to practice earnings management. In addition to avoiding conflict, earnings management practices are also used to maximize company profits.

Agency theory tries to explain the concept of the relationship between the agent and other parties who order to carry out a task or service and the agent is given full authority over what he does in the hope of providing maximum benefits to the principal (Anggriawan and Alit, 2016).

The concept in agency theory cannot be separated from the parties above because they are the main actors and have an equal position. Capital owners have access to find out internal company information while other parties have information about the company's overall operations and performance.

Income Smoothing Income

Income smoothing is a process carried out by managers so that the reported profits look stable every year, in the sense that there is no very rapid increase, but also does not experience a very sharp decline. The income smoothing action is aimed at deliberately making the profits presented in the financial statements look stable every year in order to provide benefits for the company and the managers themselves, of course, because by doing this practice, investors will think that with a stable company condition it will be more promising and profitable. Profitable in the present and in the future because it can reduce the risk in investment.

Income smoothing is deliberately carried out by management who uses accounting policies in an effort to reduce income fluctuations (Francis et al., 2004). Income smoothing is the amount of profit that is reported evenly over time during the company's normal activities (Francis et al., 2004; Dechow and Schrand, 2004; Tucker and Zarowin (2006) and Khaddaf et al. (2014)

show that smoothing earnings have a positive effect on stock returns so it is often used by management to show the company's performance is in good condition

CONCEPTUAL HYPOTHESES

- H1: Deferred tax assets have a negative effect on income smoothing
- H2: Deferred tax expense has a positive effect on income smoothing
- H3: Income tax has an effect
- H4: of Deferred Tax Assets on Income Smoothing
- H5: Public Ownership strengthens the effect of Deferred Tax Expense on Income Smoothing
- H6: Public Ownership strengthens the effect of Income Tax on Income Smoothing

RESEARCH METHODS

Variables bound used in this research is income smoothing action. To determine which companies perform income smoothing and which do not, the Eckerl Index (1981) is used. In this study, the value of the original Eckerl Index was used when processing data, while the company status used a dummy. The basis of calculation in this index is the Coefficient Variation (CV) of the total net profit and net sales of the company. In the *Eckerl Index*. Profit Smoothing Practice Index is as follows.

$$\text{smoothing index} = \frac{CV I}{CV S}$$

Description:

- I: Changes in profit in the current period with the previous period
- S: Changes in sales in the current period with the previous period
- CV: Coefficient of variation of the variables calculated by dividing the standard deviation by the expected value.

CV S and CV I can be calculated by the formula:

$$\frac{\sqrt{\frac{\sum (\Delta I - \overline{\Delta X})^2}{n - 1}}}{\overline{\Delta X}}$$

Deferred Tax Assets occur if the tax burden according to fiscal is greater than the commercial tax expense so that the company must pay large amounts of tax today but will pay less taxes in the future. According to

Suranggane (2007) the formula for measuring deferred tax assets is as follows.

Deferred Tax

Assets Deferred Tax Assets year t

Deferred tax expense occurs when there is a difference in the amount of tax expense according to the commercial and fiscal records but the difference is only temporary and the result will be the same in the long run. If the company recognizes a deferred tax expense or benefit, it will result in a decrease in the company's net profit or loss. According to Phillips et al., (2003) deferred tax expense can be calculated with the following indicators:

$$\frac{\text{Deferred tax expense year t}}{\text{Total assets t-1}}$$

Income tax is the amount of money that must be paid by the company to the state treasury in the current period, the calculation is based on tax regulations reported in the annual corporate tax return. According to Bahadori et al., (2013) the calculation of income tax is.

$$\text{Income Tax} = \text{In (Current Tax + Deferred Tax)}$$

Public ownership is the proportion of company stock ownership owned by the public whose percentage is calculated by dividing the number of public ownership by the number of shares outstanding. According to Brealey et al., (2007) the formula for finding the total shares owned by the public is as follows.

$$\frac{\text{Total Public Ownership}}{\text{Total Outstanding Shares}}$$

Overview of Objects of Discussion

In this study, the object studied was Manufacturing Companies listed on the Indonesia Stock Exchange in the 2017-2020 period. The data used are in the form of Financial Reports and Annual Reports. Manufacturing companies that are used as samples in this study are 43 companies that have been selected using the Purposive Sampling method. The sample selection in this study is illustrated in table 1 below.

Table 1 Sample

Selection Criteria for	Company
Initial number of overall sample	152
Companies that do not issue financial statements in a row during 2017-2020	
Companies do not report deferred tax asset values during 2017-2020	(23)
Companies that do not report deferred tax values during 2017-2020	(29)
Companies which publishes financial statements in one foreign currency	

	(23)
	(34)
Total final sample used	43

RESEARCH RESULTS AND DISCUSSION

The first analysis carried out is descriptive statistical analysis which measures the mean, minimum value, maximum value, and the standard deviation of each independent variable. The results of descriptive statistical analysis can be seen in Table 2 below:

Table 2 Results of Descriptive Statistics

	N	Min	Max	Mean	Std. Dev
IS	129	-73.85	179.50	3.46	24.43
DTA	129	-0.85	16.28	0.48	1.75
DTE	129	-0.02	0.02	-0.00	0.01
IT	129	19.98	29.43	24.88	2.21
PO	129	0.01	0.79	0.29	0.16

Source: Secondary Data (processed), 2022.

Note : IS = Income Smoothing ; DTA = Deferred Tax Assets; DTE = Deferred Tax Expense; IT = Income Tax, PO = Public Ownership

Based on the descriptive statistical test in table 4.2, it can be seen that the value of income smoothing in 2017-2020 varies from a minimum value of -73.85 to a maximum value of 179.50. The lowest value is -73.85 and 179.50 is the highest value of income smoothing. The mean of 3.46 indicates the average value of income smoothing and the standard deviation of 24.43 indicates the variation in income smoothing. For company status, the income smoothing variable uses a dummy with the category of companies that perform income smoothing is given a value of 1 while those that do not perform income smoothing are given a value of 0. In this study there were 75 companies categorized as income smoothing or about 58.14% and the remaining 54 companies, or 41.86% are categorized as non-income smoothing.

The value of deferred tax assets varies from a minimum value of -0.85 to a maximum value of 16.28. The lowest value is -0.85 and 16.28 is the highest value of deferred tax assets. The mean of 0.48 indicates the average value of the company's deferred tax assets and the standard deviation of 1.75 indicates the variation contained in the deferred tax assets.

The value of deferred tax expense varies from a minimum value of -0.02 to a maximum value of 0.02. The lowest value is -0.02 and 0.02 is the highest value of deferred tax expense. The mean of -0.00 indicates the average value of the company's deferred tax burden and the standard deviation of 0.01

indicates the variation in the deferred tax burden.

The value of income tax varies from a minimum value of 19.98 to a maximum value of 29.43. The lowest value is 19.98 and 29.43 is the highest value of income tax. The mean of 24.88 indicates the average value of corporate income tax and the standard deviation of 2.21 indicates the variation in income tax.

The value of public ownership varies from a minimum value of 0.01 to a maximum value of 0.79. The lowest value is 0.01 and 0.79 is the highest value for income tax. The mean of 0.29 indicates the average value of the company's public ownership and the standard deviation of 0.16 indicates the variation in public ownership.

Table 4 Results of the Coefficient of Determination Test (Adjusted R²/Adjusted

Mode	R	R Square	Std Error of the Estimate
1	0.475	0.226	0.146

In the table it can be seen that Adjusted R Square is 0.146 or 14.6%, then the independent variable is tax assets deferred tax expense, income tax affects the dependent variable, namely income smoothing by 14.6% while the remaining 85.4% (100% - 14.6%) is explained by other variables outside the model.

Table 5 Simultaneous Test Results (Test F) Regression

Model	Mean Square	F	Sig.	Conclusion
Regression	0.591	2.8	0.002	(H ₀ accepted)
Residual	0.210	16		
Total				

The results of the simultaneous significance test of the regression value of 0.002. The significance level is smaller than 0.05 and Fcount = 2.816 > Ftable = 1.80, it can be concluded that the independent variables are deferred tax assets, deferred tax expense, income tax simultaneously affect income smoothing.

Table 6 Partial Test Results (t-test)

$0 \text{ DTA} \cdot \text{PO} + \text{DTE} \cdot \text{PO}_2 + \text{DTA} + \text{IT} \cdot \text{PO}_2 + \text{DTE} \cdot \text{IT}_3 + \text{PO}_4 + \text{PO}_5 + \text{PO}_6 + \text{PO}_7 + \text{Pr} \cdot \text{Model}$

		Unstandardized Coefficients		Sig.	Conclusion
		B	d. E		
IS	+	0.857	2.606	0.003	
Constant					
DTA	-	0.157	0.080	0.053	Significant
DTE	+	17.368	8.006	0.032	Significant
IT	+	0.008	0.004	0.039	Significant
DTA.PO	+	0.535	0.892	DTE. PO	Insignificant
0.425	+	-40.604	0.0308	0.604	Insignificant
PO		0.310	4	0.310	Not Significant

Source: Secondary Data (processed), 2021

Note : IS = Income Smoothing; DTA = Deferred Tax Assets; DTE = Deferred Tax Expense; IT = Income Tax, PO = Public Ownership

From the equation above, it can be explained that the constant of 2.606 states that if the value of the Independent Variable (deferred tax assets, deferred tax expense, income tax) with the moderating variable of public ownership is zero, then the dependent variable, namely income smoothing, will increase by 2,606.

Based on the t-test presented in the table above, it shows that the deferred tax asset has a coefficient of 0.157 with a sig value. of $0.053 > 0.05$ so it can be concluded that deferred tax assets have a positive and insignificant effect on income smoothing.

Deferred tax expense has a coefficient of 17.368 which means that if the deferred tax expense variable increases by 1 while other variables are considered constant, it will increase income smoothing by 17.368 with a sig value. $0.032 < 0.05$ so it can be concluded that the deferred tax expense has a positive effect on income smoothing.

Income tax has a coefficient of 0.008 stating that if the income tax variable increases by 1 while other variables are held constant, it will increase income smoothing by 0.008 with a sig value. $0.039 < 0.05$ so it can be concluded that income tax has a positive effect on income smoothing.

The relationship between deferred tax assets and public ownership variables shows a coefficient of 0.535 with a sig value. $0.425 > 0.05$ so that public ownership does not strengthen the effect of deferred tax assets on income smoothing. The relationship between deferred tax expense and public ownership shows a coefficient of -40,694 with a sig value. $0.310 > 0.05$ so that public ownership does not strengthen the effect of deferred tax burden on income smoothing. The relationship between income tax and public ownership variables shows a coefficient of 0.028 indicating that if the interaction between income tax and public ownership variables increases by 1 while other variables are held constant, income smoothing will increase by 0.028 with a sig value. $0.037 < 0.05$ so that public ownership is proven to strengthen the effect of income tax on income smoothing.

Effect of Deferred Tax Assets on Income Smoothing

Based on the calculation as in the partial test, it is known that deferred tax assets have no effect on income smoothing so that Hypothesis 1 is rejected. The results of this study are in line with research conducted by Widiatmoko (2016) and Fadhizen (2015) which state that deferred tax assets have no effect on earnings management but contrary to research conducted by Fitriany (2016) and Suranggane (2007) which states that deferred tax assets have a significant effect on accrual earnings management. Management does not use deferred tax assets in managing corporate profits due to strict tax regulations. If the management is wrong in determining the actions to be taken, it is possible that in the future the company will suffer losses due to the payment of taxes in large amounts.

The relation of deferred tax assets that can be used in carrying out income smoothing practices is that the greater the amount of deferred tax assets will cause the company's profit to decrease this is due to the accumulation of uncompensated fiscal losses and prepaid taxes that have not been utilized by the company. The existence of bonus planning, the size of the company and the desire to pay small taxes motivate management to take income smoothing actions.

Based on this, deferred tax assets cannot be one of the predictors to detect the presence or absence of income smoothing actions carried out by the management of manufacturing companies during the 2017-2020 period.

Effect of Deferred Tax Expense on Income Smoothing

Based on the calculation as in the partial test, it is shown that the deferred tax expense has a positive and significant effect on income smoothing so that Hypothesis 2 is accepted. The results of this study are in line with the research conducted by Hakim and Praptoyo (2015) who examined manufacturing companies

to find out whether there is an effect between deferred tax expense and income smoothing in 2010-2014 on the Jakarta Stock Exchange. The results of this study state that deferred tax expense has a positive and significant effect on earnings management actions. This is also in line with research conducted by Yana UIFah (2013) which states that deferred tax expense has a positive and significant effect on corporate earnings management. However, this study contradicts research conducted by Aulia (2015) which states that there is no significant effect of deferred tax expense on earnings management.

The logical consequence of the difference between financial accounting standards and tax regulations is when a transaction can be recognized and how to measure or calculate the accounts in the financial statements in accordance with applicable regulations, both commercial and fiscal accounting regulations. The greater the amount of deferred tax expense against the total income tax expense, the more free the rules in commercial accounting are. Management will manipulate or manipulate earnings for personal gain such as to get bonuses or other things that can increase personal welfare. Deferred tax expense occurs because of the difference in profit between commercial and fiscal where the tax burden according to the fiscal is smaller than the tax expense according to the commercial. The company's profit level will decrease if the tax burden it admits is large, this means strengthening the assumption that management will manipulate or engineer profits to gain personal gain, such as to get bonuses or other things that can increase personal welfare. The greater the amount of deferred tax expense against the total income tax expense, the more free the rules in commercial accounting are.

Effect of Income Tax on Income Smoothing

Based on the calculation as in the partial test, it shows that income tax has a positive and significant effect on Income Smoothing. This means that hypothesis 3 is accepted. This is in line with research conducted by Saeidi (2012) and Iuqman and Shazad (2012) showing that companies that perform income smoothing are companies that have a high level of profitability so that management tends to smooth earnings to avoid profit fluctuations. This is not in line with research conducted by Pratiwi (2014) and Handayani (2014) which state that taxes have no effect on income smoothing.

In this study, the income tax variable shows a positive and significant effect on *income smoothing* in companies engaged in manufacturing for the 2017–2020 period. So this strengthens the conclusion that income smoothing actions are carried out with the aim of paying taxes in small amounts because large profits will make companies have to pay large amounts of taxes as well. The company will recognize costs even though it is not yet time to reduce profits. If the company has high profits, it will cause the company to pay large amounts of tax, so the possibility of income smoothing actions taken by management is also high.

Public ownership moderates the effect of deferred tax expense on income smoothing.

The moderating variable of public ownership and deferred tax assets (DTA.PO) shows that public ownership has no effect as a moderating variable that strengthens the relationship between deferred tax assets and income smoothing so that Hypothesis 4 is rejected. Research conducted by Rizky Anggriawan (2016) states that public ownership will affect earnings management actions. This is supported by research conducted by Widhianingrum (2012) which states that the higher the public ownership in the

ownership structure of the company, the company tends to smooth earnings to reduce profit fluctuations. Meanwhile, research conducted by Noviana and Yuyetta (2011) states that public ownership has no effect on income smoothing actions that may be carried out by company management.

Public ownership is defined as the percentage of share ownership by the public in a company. To find out the percentage of public ownership in the company, it can be measured by dividing the number of public ownership by the number of shares outstanding. Broad public ownership will not necessarily encourage management to take income smoothing actions, because wider public ownership actually encourages management to do their best to gain the trust of the public.

Public ownership moderates the effect of income tax on income smoothing.

The moderating variable of public ownership and deferred tax expense (DTE.PO) shows that public ownership has no effect as a moderating variable that strengthens the relationship between deferred tax expense and income smoothing so that Hypothesis 5 is rejected. Research conducted by Mauliydina (2003) states that the structure of public ownership has an influence on income smoothing actions carried out by the company. However, different results occur in the research conducted by Dhamar Yudho Aji (2009) which states that there is not enough evidence that the amount of public ownership affects the practice of income smoothing.

If more shares of a company are owned by the public, then the company will receive strict supervision from the public. The higher the percentage of public ownership, the management must always report its financial statements on time. Companies that have sold shares to the public are required to always report their

financial statements transparently and contain adequate and useful information for users of financial statements. External investors need guarantees regarding the funds that have been invested by them in a company, the guarantees referred to are financial and non-financial guarantees that are presented in the company's financial statements, both monthly, quarterly and annual reports. Therefore, public ownership will pressure management to present complete, transparent and timely financial reports.

Conclusion

Based on the results of research and discussion, it can be concluded that deferred tax assets have a positive and insignificant effect on income smoothing in companies engaged in manufacturing for the 2017–2020 period. The variable deferred tax expense partially has a positive and significant effect on income smoothing in companies engaged in manufacturing for the 2017–2020 period. The income tax variable shows a positive and significant effect on income smoothing in companies engaged in manufacturing for the 2017–2020 period. The moderating variable of public ownership does not strengthen the effect of deferred tax assets on income smoothing. The moderating variable of public ownership does not strengthen the effect of deferred tax expense on income smoothing. In this study, the moderating variable of public ownership strengthens the effect of income tax on income smoothing.

The limitations of this study are that it only uses 3 independent variables and only uses data from manufacturing companies during 2017-2020. Implications Suggestions for future researchers are to be able to use more independent variables and a longer research period and not only limited to manufacturing companies.

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