



The Effect of Capital Expenditure and Operational **Expenditure on Investment Decision**

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Abstract. The purpose of this research is determines the extent to which capital expenditure decisions are made by listed agricultural sector companies. Companies in Indonesia are related to the value of the company in the long run. The number of companies listed on the IDX during this period was 26, and the sample size used was 10. With the help of regression analysis, the findings reveal that capital expenditure and operational expenditure have significant relationship with investment decisions. it can be concluded that the sector companies listed on the Indonesia Stock Exchange for the period 3 years 2019-2021 capital expenditure variables have a significant positive effect on investment decisions, then operational variables have an insignificant negative effect on investment decisions It is recommended that the management of agricultural sector enterprises should ensure:holistic use of all techniques. exploring risks, real options analysis and growth and portfolio management techniques involving capital assets, in valuing capital investments before taking decision. it can be concluded that the sector companies listed on the Indonesia Stock Exchange for the period 3 years 2019-2021 capital expenditure variables have a significant positive effect on investment decisions, then operational variables have an insignificant negative effect on investment decisions.

Keywords: Capital expenditure, decisions, operational expenditure, Long term value, Economic value added, Market value added, Real option analysis

Introduction

The Effect of Capital expenditure is an aspect of capital budgeting that deals with the analytical process of making decisions about investments by considering the feasibility of one investment to another. As posted by Hilton, Maher and Selto (2012), capital assets refer to resources, other than people, that a company procures and uses for productive or profit-generating purposes. When capital assets are acquired by means of purchase or construction, a company is said to be making capital expenditures (investments) in non-current assets (Horngren, 2014).

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Nigeria's economic environment is evolving, and for most economic growth to have a place in the nation's society, the real sector must be developed and sustainable. It is clear that manufacturing is the axis of the real sector of the economy, and so it is with capital assets. Capital assets have deferred expenses and determine the production capacity of a manufacturing company. It involves strategic investments that have a firm long-term commitment to policies that improve certain technologies, products, and markets (Desai, Wright and Chung, 2012).

Investment decisions are decisions taken by managers regarding the allocation of funds to various assets. Investment decisions are business decisions outside of financial decisions that reveal how much current assets, fixed assets, and other assets are owned by the company Liu, H., Zhang, Z., & Zhang, T. (2022). An example of an investment decision is determining whether the current assets owned should be replaced with new fixed assets. According to Hilton, Maher, and Selto (2016) Capital expenditure is an aspect of capital budgeting related to the analytical process of making investment decisions by considering the viability of one investment to another. Capital assets refer to resources, other than human, that a company procure and use for productive or profit-generating purposes Sens, L., Neuling, U., & Kaltschmitt, M. (2022). When capital assets are acquired by means of purchase or construction, a company is said to be making capital expenditures (investments) in non-current assets (Horngren, 2014). According to Niko Ramadhani (2020) Opex is an expenditure made by a company to meet operational needs. Launching from the 2020 business dictionary page, this operational expenditure can also be interpreted as the cost per unit of each product and service. It can also be considered as an annual cost incurred for the benefit of a sustainable production process. Primayuni (2018), investment decisions are business decisions outside of financial decisions that reveal how much current assets, fixed assets, and other assets are owned by the company.

Investment decisions are decisions taken by managers regarding the allocation of funds to various kinds of assets to get results or profits in the future (Sartini and Purbawangsa 2012). Or an investment decision can also be interpreted as a policy or decision taken to invest in one or more assets to gain profits in the future (I Dewa Mde Endiana 2016).

This research was conducted on companies in the agricultural industry listed on the Stock Exchange Indonesia (IDX) in 2019-2021. Selection of companies in this study because the agricultural sector has a relatively high average stock price growth and the company is also a type of company that is listed but rarely researched. Capital Expenditure explained by fixed assets and depreciation of fixed assets indicator, and Operational Expenditure used selling expenses, administrative and general expenses as indicator. By calculating Capital Expenditure dan Operational Expenditure used Earning to price ratio, book value assets, market value, and total asset ratio.

, The title of this research is "The Influence of Capital Expenditure and Operational Expenditure on investment decisions".

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2. Framework

Effect of Capital Expenditure on investment decisions

Capital expenditure is an aspect of capital budgeting related to the analytical process of making investment decisions by considering the viability of one investment to another.

In the journal I Made Dewa Endiana (2016) it is said that capital assets refer to resources, other than humans, that companies procure and use for productive purposes or to generate profits. When capital assets are acquired by means of purchase or construction, a company is said to be making capital expenditures (investments) in non-current assets. The results showed that capital expenditure had a significant positive effect on investment decisions. Based on the description and results of previous research, the hypotheses that can be developed are:

H1: Capital Expenditure has a positive effect on investment decisions

Effect of Operational Expenditure on investment decisions

Operating activities are the main income generating activities of the company (principal revenue activities) and other activities that are not investing and financing activities, generally originating from transactions and other events that affect the determination of net profit or loss, and are other indicators. In theory, the higher the operating cash flow, the higher the investor's confidence in the company. And conversely, the lower the company's operating cash flow, the smaller the investor's confidence in the company. Based on the research of Ewardus Richard Bria (2017) which states that operational expenditure has a negative effect on investment decisions.

Based on the description and results of previous research, the hypotheses that can be developed are:

H2: Operational Expenditure has a negative effect on investment decisions

3. Methodology

This research was conducted on the Indonesia Stock Exchange (IDX). This location is used because the researcher wants to know how much influence Capital Expenditure and Operational Expenditure have on investment decisions in agricultural sector companies listed on the Indonesia Stock Exchange (IDX). The object of this research is data from reports on capital expenditure, operational expenditure, and investment decisions in agricultural sector companies listed on the Indonesia Stock Exchange (IDX) from the 2019-2021 period. Based on the type, the data used in this study are (Sugiyono, 2018) quantitative data is data in the form of numbers or qualitative data that is numbered. Quantitative data in this study are in the form of financial reports and cash flow reports on agricultural sector companies listed on the Indonesia Stock Exchange (IDX). Qualitative data in the form of words, sentences, schemes, and pictures. The qualitative data in this research is a list of banking companies listed on the Indonesia Stock Exchange (IDX).





According to (Sugiyono, 2018:13) secondary data is data that does not directly provide data to data collectors. This study uses secondary data in the form of a list of agricultural sector companies listed on the Indonesia Stock Exchange (IDX) since 2019-2021 and the company's annual financial statements since the 2019-2021 period obtained from the IDX website, namely www.idx.co.id.

The documentation/library study method is a data collection technique by using theories or concepts that can be used in discussing research problems which include existing documents as well as journals and magazines which are then carried out an assessment of the required data, namely regarding the type, availability of data, how to obtain data and an overview of how to process data. is invaluable when conducting empirical research; it has some attraction for a researcher using qualitative techniques for the first time and it offers well sign-posted procedures. In the method conceptualproperties and categories may be 'discovered' or generated from the qualitative data by following a number of guidelines and procedures. The grounded theory is iterative, requiring a steady movement between concept and data, as well as comparative, requiring a constant comparison across types of evidence to control the conceptual level and scope of the emerging theory. Data obtained from PT. Indonesia Stock Exchange (IDX) and financial statements for 2019-2021.

Data analysis method

Multiple linear regression test

The data analysis method used in testing the research hypothesis is multiple linear regression model. Regression analysis aims to measure the strength of the relationship between the dependent variable and the independent variable (Ghozali, 2016:64)

$$Y = a + b_1 X_1 + b_2 X_2 + e$$

Description:

Y: Investment Decision

a: constanta

b₁X₁ : CapitaL Expenditure

b₂X₂: Operational Expenditure

e: Error

4. Findings

Multiple Linear Regression Test Results

Based on the results of multiple linear regression analysis that has been processed using the SPSS application, the regression equation in this study is as follows:

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Y = a + b1X1 + b2X2 + b3X3 + e

Y = 3.220 + 0.059 X1 - 0.146 X2 + 0.006 X3

The regression equation above is obtained from the SPSS output which can be seen in table 1.

Table 1. Results of Multiple Linear Regression Analysis

Coefficients^a

Mod	lel	Unstandardized	d Coefficients	Standardize d Coefficients	t
		В	Std. Error	Beta	
	(Constant)	692303367 774,426	370167332 915,307		1,870
1	Capital Expenditure (X1)	-,046	,234	-,017	-199
	Operational Expenditure (X2)	,369	,036	,893	10,362

a. Dependent Variable: Investment Decision

Source: SPSS Output Results, processed 2022

Based on riset Atieh, A., Afifa, M. M. A., & Al-Manaseer, S. (2020) And Turrini, L., Besiou, M., Papies, D., & Meissner, J. (2020). if the other independent variables have a fixed value and Capital Expenditure has increased by 1% then the investment decision has decreased by -0.046. A negative coefficient means that there is a negative relationship between Capital Expenditure and investment decisions, the higher the Capital Expenditure, the lower the investment decision. The variable regression coefficient x2 is 369; This means that if the other independent variables have a fixed value and OE increases by 1%, then the investment decision (Y) will increase by 369. The positive coefficient means that there is a positive relationship between OE and investment decisions, the higher the OE, the more investment decisions will be made.

Table 2 show Multiple Test Analysis Results.



Table 2. Multiple Test Analysis Results

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
	Regressio n	341660956 464362400 000000000, 000	2	170830478 232181200 000000000, 000	54,580	,000b
1	Residual	845076650 801819800 00000000,0 00	27	312991352 148822100 0000000,00 0		
	Total	426168621 544544400 000000000, 000	29			

- Dependent Variable : Investment Decision (Y)
- b. Predictors: (constant), Capital Expenditure (X1), Operational Expenditure (X2)

Source: SPSS Output Results, processed 2022

Table.2 shows that can be seen that in this study partially, the capital expenditure variable has a significant positive effect on investment decisions, because the value of sig -0.199 < 0.05, then the operational expenditure variable has a negative effect on investment decisions because the value of sig 10.362 > 0,05. Meanwhile, the variables of capital expenditure and operational expenditure simultaneously affect investment decisions because in the F test above, the value of sig 0.000 < 0.05, so this result is declared significant. Based on riset Febrianti, R. A. M., & Herbert, A. S. N. (2022).

Table 3 show Value of Adjusted R Square.

Table 3. Value of Adjusted R Square

Model Summary

Mo del	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,895ª	,802	,787	176915616 0854,158

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a. Predictors: (constant), Capital Expenditure (X1), Operational Expenditure (X2)

Source: SPSS Output Results, processed 2022

The test results in this study show the adjusted R Square value of 0.787 which means that the independent variable (Capital expenditure, operational expenditure) contributes 78.7% to the dependent variable (Investment Decision). While the remaining 21.3% is influenced by other variables that are not included in the model proposed in this study. Based on riset Afrilia Elmanda, F., Gita Merdikawati, G., & Wahyuni, R. (2022). Ren, Z., Verma, A. S., Li, Y., Teuwen, J. J., & Jiang, Z. (2021).

Discussion

Effect of Capital Expenditure on Investment Decision

The results of testing the first hypothesis in this study indicate that the capital expenditure variable has a significant positive effect on investment decisions. This is because the change in total assets or total assets of the company during the research year is greater than the change in total assets or total assets of the company in the previous year. So it can be concluded that every change in the increase in total assets or total assets during the study period can affect the value of the company for investors. Companies that have high growth rates tend to be interested in their shares by investors. Thus, the higher the growth rate of the company, the higher the value of the company.

The results of this study support previous research conducted by I Dewa Made Endiana (2016). This study shows that the capital expenditure variable has a positive and significant effect on investment decisions.

Effect of Operational Expenditure on investment decisions

The results of testing the second hypothesis in the study show that the operational expenditure variable is considered unable to influence investment decisions. This is because operational expenditure is assessed from the total sales costs and general and administrative costs owned by the company for its operational activities based on Swink, Morgan, and Tobias Schoenherr(2015), the greater the total sales costs and general and administrative costs, the greater the funds needed for operational activities. According to Ewaldus Richard Bria (2018), operating activities are the main income generating activities of the company (principal revenue activities) and other activities that are not investing and financing activities, generally originating from transactions and other events that affect the determination of net profit or loss, and are other indicators. . In theory, the higher the operating cash flow, the higher the investor confidence in the company. And conversely, the lower the company's operating cash flow, the smaller the investor's confidence in the company.

Supporting research results in this research were carried out by Ewaldus Richard Bria (2018) which showed that operational expenditure did not have a significant influence on investment decisions.

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For further research, the authors suggest adding independent variables other than the variables in this study, including accounting profit, business risk, taxes, inflation, etc. Further research can also use a longer research period and add objects to be studied outside the agricultural sector so that the research results obtained can show better results

5. Conclusion

This research explained the extent to which capital expenditure decisions are made by listed agricultural sector companies. Companies in Indonesia are related to the value of the company in the long run. The number of companies listed on the IDX during this period was 26, and the sample size used was 10. With the help of regression analysis, the findings reveal that capital expenditure and operational expenditure have significant relationship with investment decisions, it can be concluded that the sector companies listed on the Indonesia Stock Exchange for the period 3 years 2019-2021 capital expenditure variables have a significant positive effect on investment decisions, then operational variables have an insignificant negative effect on investment decisions It is recommended that the management of agricultural sector enterprises should ensure:holistic use of all techniques, exploring risks, real options analysis and growth and portfolio management techniques involving capital assets, in valuing capital investments before taking decision. it can be concluded that the sector companies listed on the Indonesia Stock Exchange for the period 3 years 2019-2021 capital expenditure variables have a significant positive effect on investment decisions, then operational variables have an insignificant negative effect on investment decisions.it can be concluded that the sector companies listed on the Indonesia Stock Exchange for the period 3 years 2019-2021 capital expenditure variables have a significant positive effect on investment decisions, then operational variables have an insignificant negative effect on investment decisions. Meanwhile, the variables of capital expenditure and operational expenditure simultaneously affect investment decisions.



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Appendix

Appendix 1. Indicator Calculation

Talum 2011 2020 2012 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013 2011 2020 2013	IO Variabel			XI (Capital Esper	ráture)	iture			N2 (Operational Expenditure)					Y (Keputusan Investasi)		
1 Assia Agro Lessan Tisi (AALI) 84-15300000 1001401300000 129741000000 16941200000 14594200000 14594200000 17293000000 14594200000 129438000000 14594200000 14594200000 14594200000 14594200000 14594200000 14594200000 14594200000 14594200000 14594200000 14594200000 145942000000 145942000000 145942000000 145942000000 145956200000 145942000000 145942000000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 1459642000000 145964200000 145964200000 145964200000 145964200000 1459642000000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 145964200000 14596420000 14596420000 14596420000 14596420000 14596420000 145964200000 14596420000 1459642000000 1459642000000000000000000000000000000000000			Aktina Tetap			Depresiasi Aktiva	Tetap		Baya Penjua	lan	Bía	ya Administrasi d	lar umum		Asset tetap	
2 PT Andrina Agro Tax (ANDI) 21480049887 251480113911 22962903 357363532 217877438983 24984272351 44456756187 23317763138 224580049887 3 PT Austrindo Nusaritaria Juja Tox (ANDI) 26881002 217257259 63552 80.297 124210517 126880052 1768056 23357997 26881002000000 4 PT AGRO VASA LESTARI Tax (ANDI) 11612595181 12473823808 555245188 \$1518521554 458541160 680531293 11612595380000 116125980000000 11612598000000 11612598000000 116125980000000 11612598000000 11612598000000 116125980000000 116125980000000 116125980000000 116125980000000 11612598000000000000000000000000000000000000	Tahun	2021	2020	2013	2021	2020	2013	2021	2020	2019	201	2020	2015	2023	2020	3015
3 PT Austrindo Nusantere Juje Tok (ANLT) 26681002 217237259 63552 80.297 12402517 10658052 17650676 23937997 26681002000000 4 PT AGRO VASA LESTARI Tok (AVLT) 1561256501 1247582580 5151255184 456541680 680532763 11512555381 5151255184 456541680 680532763 11512555381 5151255184 456541680 580532763 11512555381 5151255381 5151255184 456541680000 225445800 287619000000 3355412000 58666100000 12151560000 287619000000 125445800 287619000000 125445800 1254551800000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 1254561000000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 125456100000 12545610000000 1254561000000 12545610000000000 12545610000000 125456100000000	1 Astra Agro Lestari Tok (AAU)		\$541523000000	30219013000000		225781000000	169912000000	1	5308230000000	1548100000		72300059000	785045000000		9841523000	
4 PT AGRO YASA LESTARI Tak MY.S) 116(1555)81 11415815808 855345188 3150Y51254 45541160 606512763 116(1555)80 5 6 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 PT Andira Agro Tok (ANDI)		214580949687	151488113911		229629903	397262532		217675436909	148384271351		4456756187	13317763198		214580949687	
5 Eagle High Plantations Tok (EMPT) 335/4120000 385/4120000 2215/39000 2294/3000 2276/390000 335/412000 6 FKS Muth Agro Tok (FSH) 106679375 9969842 388996 6223711 93583795 201084 1759950 106679375 7 Muth Agro Gemillang Plantation Tok (MACF) 365861/19786 4065080563 2906059000 18296590000 13374574548 365861/19786 8 Provident Agro Tok (P4LM) 585860167000 55476440000 25686212000 14699044000 4679239000 68479600000 9 PT Sinas Mas Agro Resources and Technology Tok 1224956000000 1217795600000 3255718000000 3255580000000 121698000000 121698000000	3 PT Austindo Nusantara Jaya Tok (ANIT)		206861002	217237250		63552	800297		12400517	106580252		17630676	25537997		206861302000000	
6 FGS Muth Agro Tok FGF 186617975 9949842 988896 \$23711 93283795 97039075 2011064 1753983 106617975 7 Muth Agro Gernlang Plentation Tok (MAGP) 93586179786 40665803623 1938390000 19383900000 19384864962 1345680007 133735745448 305861793786 8 Provident Agro Tok (PALM) 95680167000 55476440000 1286012000 14869904000 467923800 6647860000 5869067000 9 PT Sinas Mas Agro Resources and Technology Tok 124836000000 1217858000000 14578600000 1328558000000 13669000000 1217893000000 1217893000000 147993000000 1217893000000 1479930000000 147993000000 147993000000 147993000000 1479930000000 147993000000000 147993000000 147993000000 147993000000 147993000000 147993000000 14799300000000000000000000000000000000000	4 PT AGRO YASA LESTARI Tox (AYES)		11612595081	12475825808					85151451RE	31509251254		4335421580	6005127633		11512555381	
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8 Provident Agro Tax (PALM) 58580167000 55456480.000 12860671200 14899044000 4578923000 6347950000 58580067000 9 PT Sinas Max Agro Resources and Technology Tax 122485600000 1207963000000 3455718000000 3328558000000 128688000000 1224858000000 12248535000000	E FIS Multi Agro Tok (FISH)		106637975	99698542		3598995	6223711		50580745	970159075		20130364	17559531		106637975	
9 PT Sinas Mas Agro Resources and Technology Tels 122453600000 1201796000000 1455715000000 3226538000000 12658000000 142596000000 1224936000000 122493600000	7 Multi Agro Gernilang Plantation Tok (MAGP)		305861729785	4065083623					392633939039	182349654092		134916030297	123725745348		305861719786	
	8 Provident Agro Tbk (PALM)		585680167000	55476480000					158606212000	148919044000		46739233000	63470650000		585690367000	
10 PT Triputo Agro Persada Tok. (TAPG) 35.9.9.200000 256.95.200000 351.95.200000 367.99.9.00000 351.74.00000 255.2000000 351.95.200000	9 PT Sinas Mas Agro Resources and Technology T	bk	1224833600000	1201796300000				3	4557130000000	32295538000000		13639000000	142256800000		12249815000000	
	18 PT Triputra Agro Persada Tok. (TAPG)		2624392000000	2581562000000					38773987000000	347595300000		301774000000	26252000000		2524392000000	

NO	CODE	Score	Efficiency Reference	NO	CODE	Score	Efficiency Reference
		2018				2019	
1	ASII	62.47 %	AUTO, BRAM, GDYR	1	ASII	70.65 %	AUTO, BRAM, GDYR
2	AUTO	100%	=	2	AUTO	100%	-
3	BRAM	100%	=	3	BRAM	100%	-
4	GDYR	100%	-	4	GDYR	100%	-
5	GJTL	61.36 %	AUTO, BRAM, GDYR	5	GJTL	73.60 %	AUTO, BRAM, GDYR
6	MASA	60.06 %	AUTO, BRAM, GDYR	6	MASA	68.24 %	AUTO, BRAM, GDYR
7	PRAS	45.31 %	AUTO, BRAM, GDYR	7	PRAS	25.14 %	AUTO, BRAM, GDYR