

CORPORATE POINT OF VIEW IN GREEN ACCOUNTING

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ABSTRACT

The purpose of this research was to find out the influence of view attention, responsibility, reporting accounting environment, and audit environment to see the importance of green accounting on employees who worked in Tangerang related to the problem of the environment in the company. The research population consisted of all employees of the company. The eligible questionnaires were given to 108 respondents. Data collection was using questionnaires. The data were analyzed using the regression test with analysis tools STATA 12. The result indicates that the variable attention in the environment, responsibility in the environment, and environmental accounting report gives impact on the point of view of the importance of green accounting in a company.

Keywords: corporate, point of view, green accounting

INTRODUCTION

People and other living creatures cannot be separated from the environment substantially. The environment is the residence for all living things that is on the earth. The economic development in the world especially industry can cause the increasing number of exploitation because the industries cannot be separated from natural resources that are the support for the industry. Industries grow continuously and are part of the environment. It sometimes is ignored by the humans, especially for industries to preserve the environment around them. In industry, it should not only pay attention to the foods, but also the emission/pollution.

The environment itself can be the something that should be given attention in the community, particularly the companies. They must pay attention to environmental conditions. There are many companies that do conservation in the environment by arranging Corporate Social Responsibility (CSR). However, the question is to what the extent the company has applied or provided education regarding this matter to the stakeholders, especially employees. Hence, companies

need to inform their employees starting from manager to the staff level to increase their consciousness of the environment, especially with the implementation of green accounting. Green accounting is not only related to a division of the company, but also for many divisions that are associated with green finance, green marketing, green corporate, and others (Lako, 2014).

Accounting is a science which includes the environment in its implementation. This is related to the company that reveals information about the environment as the result of manufacturing activity or their business (Kartikasari, 2012). Accounting is also a special interest in the company because the company report is closely related to accounting. Therefore, green accounting or environmental accounting is important to protect the environment. If the company only asks the manager to do this, it means the company does not perform green accounting fully in the company. The purpose of green accounting is as management instrument of the environment and communication with community and stakeholders. The role of green accounting is to improve the performance of environment which refers to a role of accounting as the information provider for management (Burhany, 2014).

Agustia (2010) said that the manufacturer company in addition to producing products (goods), also produce emission (bad). This is caused by the inefficiency in the operation of the company. The concept of environmental management in the company is limited to the waste of management that is produced by the production process without any consideration to change the production process so that the waste can be reduced (Agustia, 2010). This also gets the attention of the company because many companies attend only the goods compared to bads or the waste produced by the company or the industry.

In Japan, May 2000, the environmental agency or environmental board issued a guide environmental accounting which later was refined in 2002 and 2005. This green accounting obliged all companies to implement green accounting (Astuti, 2014). At that time, the environmental accounting in Japan was as important as the conventional accounting (Kartikasari, 2012). Teoh and Thong (1986) in Jahamani (2003) said that an organization can be categorized as contributor maintaining the environment if it has the attention to the environment (the environmental awareness) and later on is followed by the involvement regarding problems in the environment (the environmental involvement) in the form of responsibility for the environment. This must be followed by reporting (the environmental reporting) especially about organizational performance in overcoming the impact of the activities of the organization to the environment, followed by environment program (environmental auditing) to measure and evaluate the performance of the organization. If it is not done, the company has not performed green accounting yet.

Darwin (2007) explained four reasons that caused the environment issues to increase significantly. First of all, the size of the company has grown. The growing company will require higher accountability in the decision making of the produced products and goods. Second, the activists and non-governmental organization in the environment have grown so rapidly throughout the world including Indonesia. They would reveal the negative side of the company related to the environment and will take responsibility for the arising environmental damage or social impacts by the operations of a company. Third, it is the reputation and image of the company. The company realizes that reputation, brand, image and strategic issues are essential and must be protected. The last one, the development of communication technology is very fast day by day. The bad environment and social issues from the company will be accessed easily through information technology, so the stakeholder will judge the company that has not performed in the environment.

With the growth in the environment right now, it has the need to educate the stakeholders about the existence of the impact of the environmental damage inflicted by companies and need to be presented to employees until the lower level. This is important because employees of the company are the operational

of the company, whether the company could apply green accounting as has been notified to companies in Indonesia today well or not. Communicating green accounting thoroughly is the interesting issue to be examined deeper in this research.

From the information above, this research is used to know about the green accounting in the firm especially about employees who has worked in the company. Benefits this research for the company are to see the employees' point of view on the green accounting and to expect the company to protect the environment and to notice the bad from the company.

Stakeholder theory and legitimacy theory are the theories in applying green accounting. This is because green accounting is about sustainable development that is applied in the company with the stakeholders' concern. While, legitimacy theory is that stakeholders need to give legitimation to the company and also company can build its image to its stakeholder.

The stakeholder theory stated that the company is not an entity which is only operational for its benefit but had benefit to its stakeholder (Handriyani, 2013). Augustine (2014) said that the stakeholder's theory was a theory that explained how company management met or managed the stakeholders' expectation. The stakeholder theory focuses on the agency accountability more than simple financial performance. This theory states that organization will choose to reveal information voluntary about their environment performance, social, and intellectual. This is done to meet the expected rating or recognition of stakeholders.

Companies should maintain their stakeholders by accommodating their want and need, particularly the stakeholders who have the strength of the resources used for the operational activity such as labor, customers, and the owner as explained by Ghazali and Chariri (2007) in Tarigan and Semuel (2014). Hence, the sustainability of the organization relies on the support from the stakeholders that the company needs to find the support from the stakeholders. This is because stakeholders are important in a company sustainability. A strategy to keep the relationship with the stakeholders is to give sustainability report which includes the economic aspect, social and environmental relating to the company.

Deegan and Unerman (2011) in Omran and Ramdhony (2015) explained that the legitimacy theory relied on the notion that there was a "social contract" between an organization and the society in which it operated. The legitimacy theory uses motivation to get the endorsement from the community as said by Laan (2009) in Tarigan and Semuel (2014). That definition suggests that legitimacy is system management of the companies who stand in the community (society), the government individuals, and community groups. Then, as a system that pro-social, company should be in line with expectations of the society.

Corporate Social Responsibility (CSR) of the company aims to demonstrate the activity to the stakeholders regarding social and environmental

activities that have been done by the company, as well as to give evidence of its influence on the surrounding community. Company legitimation by stakeholders can be conducted by implementing integrity in business ethics and improving social responsibility of companies. Wibisono in Handriyani (2013) stated that social responsibility was used by the companies to improve the reputation, to keep the image and strategy of the firm.

Accounting is a science that is affected and affects its environment (Kusumaningtias, 2013). Accounting intimately connected with science, particularly in the environment since the accounting was used to calculate the cost of a product. Methods in accounting also continue to evolve following the development of the growing business. When the concern of the environment is started to get the attention of the public, accounting must be settled first to be ready for internalizing the various externalities.

Green accounting is one of the contemporary concepts in accounting that supports the green movement in the company or organization by recognizing, quantifying, measuring and disclosing the contribution of the environment to the business process (Bell & Lehman, 1999 in Arisandi & Frisko, 2011). Aniela (2012) described green accounting as an accounting science that identified, measured, judged, and revealed cost that was associated with business activity on the environment. US–Environmental Protection Agency (US-EPA) revealed that the environmental accounting was divided into two main dimensions. The first one was green accounting which directly affected the company fully. Secondly, green accounting was the individual cost, so the community and the neighborhood of the company could not be is H0.

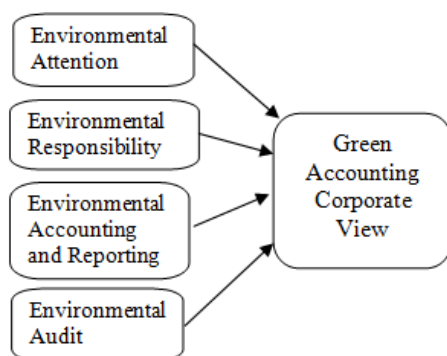


Figure 1 Conceptual Framework

From the conceptual framework shown in Figure 1, it can be taken hypothesis as follows; (1) H1 is whether the environmental attention influences the green accounting corporate view or not. (2) H2 is that the environmental accounting and reporting influence green accounting corporate view or not. (3) H3 is whether the environmental responsibility influences green accounting corporate view or not. (4) H4 is that the environmental audit influences green accounting corporate view or not.

METHODS

The population of this research is employees who work in the company in Tangerang. This research uses convenience sampling method to collect the data. Data are obtained by using the questionnaires containing questions to the respondents. The assessment uses Likert scales (1-5) with the meaning of the score: 1 = strongly disagree, 2 = disagree, 3 = neutral, 4 = agree, 5 = strongly agree. Respondents in research are the employees who work in Tangerang accounting as their education background. There are 108 respondents who have answered the questions. The method of analysis data in this research uses the influence to see if there are relation or influence between environment attention, environmental responsibility, environment accounting reporting, and environmental audit with the point of view about the importance of green accounting. The instrument analysis that is used in this research is STATA 12. The analysis method has included normality test, the F-test, and the T-test of relation or influence of independent variable to a dependent variable.

Green accounting is part of accounting science that is adopted by the company for the empowerment of the environment. It is important for nature sustainability and the place the company. It is essential to be highlighted by all parties in the company. An indicator of this variable is taken from research by Kusumaningtias (2013) about green accounting.

Environmental attention is an effort to involve every society in developing and to create the understanding of environment conservation based on environment value with the basic that the community needs to live in peace with nature. The indicators in this variable are eight questions that are developed from the research by Teoh and Thong (1986) in Jahamani (2003).

Environmental responsibility is required by each company in the industry to handle its obligation to reduce waste or bad as the result of company operation in the industry. This must be done so the bad produced by the company can be overcome well. Responsibility in the social environment and nature of a corporation is done as a proactive activities conducted by the company as the people of the implementation of the corporate social responsibility. The indicators that are used to measure environment responsibility are developed from the research by Teoh and Thong (1986) in Jahamani (2003).

From environment accounting and reporting, it states that accountability could be met and information asymmetry can be reduced if the company reports the CSR event to the stakeholders. With reporting and disclosing the CSR, the stakeholders can see and evaluate the implementation of the CSR can give the award to the company in accordance with the results of the evaluation. Reporting CSR is not only useful for external, but it can also be helpful for the company. By making a CSR report, the company will do self-

assessment so it can identify its strength and weakness related to CSR in the company. The indicators that are used to measure environmental accounting and reporting are expanded from the research by Dunk (2002) in Musyarofah (2013).

An environmental audit is an instrument examination in the accounting environmental system to verify efforts of the management in the environment objectively and it can help the company to look for the steps of improvement to increase environmental performance. To ensure the performance of the environmental life program, the company have run effectively and efficiently. Then it requires environmental performance audit. With the environmental performance audit, the performance of environmental empowerment behavior can be seen by the company. The indicators which are used to measure environmental audit are elaborated from research by Dunk (2002) in Musyarofah (2013).

RESULTS AND DISCUSSIONS

Table 1 Normality Test

	Obs	Pr (Skewness)	Pr (Kurtosis)	Adj Chi2 (2)	Prob > chi2
y	108	0,0004	0,0130	15,24	0,0005
x1	108	0,0016	0,0169	12,99	0,0015
x2	108	0,0942	0,5865	3,17	0,2046
x3	108	0,14936	0,7314	2,25	0,3248
x4	108	0,4048	.	.	.

Based on the results of the normality - skewness and kurtosis test, it appears that the data normally has been distributed because it is in the range of 0, so it does not veer to the left defining that the data is not normal. To know the normality of the data, it can be seen from the skewness between 0 and kurtosis below the level of 3 as can be seen in Table 1 (see appendix).

F test is done to test the feasibility of the model regression in this research. It can be seen that Prob > F is 0,0000 or lower than 0,05, so it states that the model regression is appropriate to be tested separately. The regression is 0,4327 or 43,27% of the independent variable which impacts on dependent variable or green accounting. While, the rest is the percentage of other variables. Table 2 (see appendix) illustrates the result.

Table 2 F – Test

The t-test is to know the influence of X1 (Environmental Attention) to Y (Green Accounting Corporate View) which indicates that H0 is rejected because Prob > F is 0,0000 or less than 0,05 so it can be stated that there is significant influence between environmental attention and green accounting corporate views. Since H0 is rejected, then alternative hypothesis/H1 is accepted. This can happen because the company has already known that the attention to keep the environment by employees as stakeholders

are part of the sustainability of development or the sustainability of the companies. The result is shown in Table 3 (see appendix).

Table 3 T – Test of Environment Attention (X1) to Green Accounting Corporate View (Y)

Next, T-test is also to find out the influence of X2 (Environmental Responsibility) to Y (Green Accounting Corporate View). This is indicated by the result that H0 is rejected because Prob > F is 0,0000 or less than 0,05 so it can be declared that there is significant influence of the environmental responsibility to the green accounting corporate view. With H0 is rejected, the alternative hypothesis/H2 is accepted. It happens because the companies have realized that the environment around companies is supposed to be guarded and preserved, and free from company waste although the company may not be willing to treat the waste until it bankrupt. Table 4 (see appendix) shows the result.

Table 4 T – Test of Environment Responsibility (X2) and Green Accounting Corporate View (Y)

The next T-Test is to see the impact of X3 (Environmental Accounting and Reporting) to Y (Green Accounting Corporate View). It shows that H0 is rejected because Prob > F is 0,0000 or less than 0,05, so there is environment accounting and reporting influences the green accounting corporate view significantly. Because H0 is rejected, alternative hypotheses/H3 is accepted. This is because companies have realized that the report of environmental accounting is necessary and important as part of green accounting. If the company has made the environmental conservation, but there is no report about this, the stakeholders will doubt the act of the environmental conservation done by companies and also the legitimacy of the stakeholders will be reduced. The stakeholders should be viewed by companies as important part of green accounting. The companies have realized that report is important in green accounting. The result is shown in Table 5 (see appendix).

Table 5 T – Test of Environment Accounting and Reporting (X3) to Green Accounting Corporate View (Y)

Last, the T test is to know the influence of X4 (Environmental Audit) to Y (Green Accounting Corporate View). The result is H0 is accepted because Prob > F is 0,0944 or more than 0,05, so there is no significant influence of the environmental audit to the green accounting corporate view. From the result of H0, the alternative hypothesis/H4 is rejected. This is because the environmental audit has not been regarded as the essential part of green accounting.

Also, the transparency of environmental audit can be the problem and also felt like being forced to report and by the company. The result is in Table 6 (see appendix).

Table 6 T – Test environment audit (X4) to green accounting corporate view (Y)
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CONCLUSIONS

From the research, it can be concluded that the variables of environmental attention, environmental responsibility, and environment accounting and reporting have the significant impact on the importance of green accounting in a company. It is because the company especially employees concern about the environment and also realize that protecting the environment has become the joint responsibility of all parties and part of assessment from the stakeholders. On the contrary, the environmental audit does not influence the green accounting corporate view because the company does not pretend that environmental audit is an obligation and burdensome thing.

The implication of this research is that the company is expected to consider that green accounting as an important thing which can be conveyed to the employees. It also expects the company to apply the green accounting better.

For next researchers, they can do research by asking the accounting manager on the company as the respondents are, and add more variables research about corporate culture and also the other things related to the environment and the company.

REFERENCES

Agustia, D. (2010). Pelaporan biaya lingkungan sebagai alat bantu bagi pengambilan keputusan yang berkaitan dengan pengelolaan lingkungan. *AKRUAL*, 1(2), 190–214.

Agustine, I. (2014). Pengaruh Corporate Social Responsibility terhadap nilai perusahaan. *Finesta*, 2(1), 42–47.

Aniela, Y. (2012). Peran akuntansi lingkungan dalam meningkatkan kinerja lingkungan dan kinerja keuangan perusahaan. *Berkala Ilmiah Mahasiswa Akuntansi*, 1(1), 15–19.

Arisandi, D., & Frisko, D. (2011). Green rush in accounting field of Indonesia from different perspectives. In *Society of Interdisciplinary Business Research (SIBR) 2011 Conference on Interdisciplinary Business Research*.

Astiti, W. (2014). Implementasi green accounting berbasis University Social Responsibility (USR) di Universitas Negeri Yogyakarta. *Jurnal Nominal*, 3(2), 134–149.

Burhany, D. I. (2014). Pengaruh implementasi akuntansi lingkungan terhadap kinerja lingkungan dan pengungkapan informasi lingkungan (Studi pada perusahaan pertambangan umum yang mengikuti proper periode 2008-2009). *Proceedings SNEB 2014*, 1–8.

Darwin, A. (2007). Pentingnya laporan keberlanjutan. *Akuntan Indonesia*, 3(1), 12–14.

Handriyani, A. N. (2013). Pengaruh Corporate Social Responsibility terhadap nilai perusahaan dengan profitabilitas sebagai variable moderating. *Jurnal Ilmu & Riset Akuntansi*, 2(5), 1–15.

Jahamani, Y. F. (2003). Green accounting in developing countries: The case of U.A.E and Jordan. *Managerial Finance*, 29(8), 37–45.

Kartikasari, L. (2012). Niat akuntan dan akuntansi lingkungan. In *Eco-Entrepreneurship Seminar & Call for Paper "Improving Performance by Improving Environment" 2012*.

Kusumaningtiyas, R. (2013). Green Accounting, Mengapa dan Bagaimana?. *Proceeding Seminar Nasional dan Call for Papers Sancall 2013*, 137–149.

Musyarofah, S. (2013). Analisis Penerapan Green Accounting di Kota Semarang. *Accounting Analysis Journal*, 2(3), 352–359.

Omran, M. A., & Ramdhony, D. (2015). Theoretical perspectives on corporate social responsibility disclosure: a critical review. *International Journal of Accounting and Financial Reporting*, 5(2), 38–55.

Tarigan, J., & Samuel, H. (2014). Pengungkapan Sustainability Report dan Kinerja Keuangan. *Jurnal Akuntansi Dan Keuangan*, 16(2), 88–101.

APPENDIX

Table 2 F – Test

Source	SS	df	MS			
Model	289,264897	4	72,3162242	Number of obs	=	108
				F (4, 103)	=	19,64
				Prob > F	=	0,0000
Residual	379,253622	103	3,682074	R - Squared	=	0,4327
				Adj R-Squared	=	0,4107
Total	668,518519	107	6,2478366	Root MSE	=	1,9189
y	Coef.	Std. Err.	t	P > t	(95 % Coenf. Interval)	
X1	0,1554444	0,0590786	2,63	0,010	0,0382759	0,2726129
X2	0,2485612	0,592395	4,2	0,000	0,1310735	0,3660488
X3	0,1181264	0,0493458	2,39	0,018	0,0202608	0,2159921
X4	0,0091219	0,0087023	1,05	0,297	-0,0081371	0,263808
_cons	2,286433	1,876092	1,22	0,226	-1,434352	6,007219

Table 3 T – Test of Environment Attention (X1) to Green Accounting Corporate View (Y)

Source	SS	df	MS			
Model	142,591366	1	142,591366	Number of obs	=	108
				F (4, 103)	=	28,74
				Prob > F	=	0,0000
Residual	525,927153	106	4,96157691	R - Squared	=	0,2133
				Adj R-Squared	=	0,2059
Total	668,518519	107	6,24783662	Root MSE	=	2,2275
y	Coef.	Std. Err.	t	P > t	(95 % Coenf. Interval)	
X1	0,3195258	0,0596032	5,36	0,000	0,2013568	0,4376949
_cons	6,183895	1,898468	3,26	0,002	2,149998	9,947792

Table 4 T – Test of Environment Responsibility(X2) and Green Accounting Corporate View (Y)

Source	SS	df	MS			
Model	201,309818	1	201,309818	Number of obs	=	108
				F (4, 103)	=	45,67
				Prob > F	=	0,0000
Residual	467,208701	106	4,40762925	R - Squared	=	0,3011
				Adj R-Squared	=	0,2945
Total	668,518519	107	6,24783662	Root MSE	=	2,0994
y	Coef.	Std. Err.	t	P > t	(95 % Coenf. Interval)	
X2	0,3732824	0,0552341	6,76	0,000	0,2637754	0,4827895
_cons	10,04727	0,9464714	10,62	0	8,170801	11,92374

Table 5 T – Test of Environment Accounting and Reporting (X3) to Green Accounting Corporate View (Y)

Source	SS	df	MS			
Model	181,160607	1	181,160607	Number of obs	=	108
				F (4, 103)	=	39,40
				Prob > F	=	0,000
Residual	487,357911	106	4,59771615	R - Squared	=	0,2710
				Adj R-Squared	=	2,641
Total	668,518519	107	6,24783662	Root MSE	=	2,1442
y	Coef.	Std. Err.	t	P > t	(95 % Coenf. Interval)	
X3	0,2773967	0,0441917	6,28	0,000	0,1897824	0,365011
_cons	5,426454	1,743908	3,11	0,002	1,968987	8,883922

Table 6 T – Test Environment Audit (X4) to Green Accounting Corporate View (Y)

Source	SS	df	MS			
Model	17,495345	1	17,495345	Number of obs	=	108
				F (4, 103)	=	2,85
				Prob > F	=	0,094
Residual	651,023174	106	6,14172086	R - Squared	=	0,0262
				Adj R-Squared	=	0,0170
Total	668,518519	107	6,24783662	Root MSE	=	2,4783
y	Coef.	Std. Err.	t	P > t 	(95 % Coef. Interval)	
X4	0,183375	0,0108649	1,69	0,094	-0,0032031	0,0398782
_cons	15,69235	0,4300172	36,49	0	14,8398	16,5449