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ENVIRONMENTAL AND ECONOMIC PERFORMANCE MEASUREMENT THROUGH GREEN SUPPLY CHAIN AND GREEN IN STORE MICRO, SMALL AND MEDIUM ENTERPRISES IN PROBOLINGGO CITY

Ratih Hendayani¹⁾, Ariel Axton Emmanuel²⁾, Indira Rachmawati³⁾, Ridwan Purwanadita⁴⁾
Telkom University^{1,2,3,4}

Email: <u>ratihhendayani@telkomuniversity.ac.id</u>¹⁾ <u>ariel.a.emanuel@gmail.com</u>²⁾ <u>indirarachmawati@telkomuniversity.ac.id</u>³⁾ <u>rpnadita@telkomuniversity.ac.id</u>⁴⁾

Abstract:

Micro, Small and Medium Enterprises or MSMEs are a business group with a very large number in Indonesia. According to the Central Statistics Agency (BPS) the number of Micro, Small and Medium Enterprises (MSMEs) is 64,000,000 MSMEs and the City of Probolinggo has 33,395 MSMEs. Indonesia ranks second in Asia as the country that produces the most plastic waste after China. High waste production and the majority of the MSME make it important to implement Green Supply Management. This study aims to determine the impact of the Green in Store Processes dimension on Performance Outcomes through the mediation of the Green Supply Chain Processes dimension with the research object of MSMEs in Probolinggo City. This study uses quantitative methods with multivariate analysis methods in data processing assisted by SmartPLS. Data was collected by distributing questionnaires using a Likert scale as a measurement scale. Data processing in this research is Direct and Indirect using SmartPLS software by carrying out two Bootstrapping processes in one tailed and twotailed to determine the direct and indirect effects between variables. Based on the results of research conclusions, it is proven that many variables do not have a significant effect. The researcher suggests that the Probolinggo City Government should directly guide MSMEs regarding the implementation of Green Supply Chain Management.

Keywords:

Green Supply Chain Management, MSMEs, Green in store Processes, Environmental Performance, Economic Performance, SmartPLS

1. Introduction

Micro, Small and Medium Enterprises or MSMEs, are a group of businesses with a very large number in Indonesia. The number of Micro, Small and Medium Enterprises (MSMEs) is 64,000,000 MSMEs. In 2016 on the website of the Central Bureau of Statistics of the City of Probolinggo, it was recorded that there were 32,789 Micro, Small and Medium Enterprises in Probolinggo City (Admin, 2018). The majority of MSMEs use plastic in their business. According to katadata.co.id stated that plastic bags and plastic straws are the types of plastic most often used by MSME actors, according to the Central Statistics Agency in 2018 the number of MSMEs in Indonesia reached 64,000,000. (Berty, 2019) Based on data from the

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Environment Service in 2019, every day the amount of plastic waste that goes to Final Disposal Sites is 64 tons per day (Hidayatulloh, 2019).

Supply Chain itself has the meaning as a network of all organizations and activities related to the flow and transformation of goods, information and money. However, in the process it can pose a very dangerous risk, namely pollution, waste and other environmental hazards. Green Supply Chain Management is a supply chain system with the concept of reducing these dangerous risks (Kumar, 2013).

Meanwhile, according to Peltjak, Kristina (2018), states that the results of his research hypothesis on food retail in Croatia show that there is no relationship between green supply chain process variables (mediating variables) economic performance, but there is a relationship with environmental performance. Based on this research, the authors are interested in knowing environmental and economic performance based on green in store processes and green supply chain management processes in MSMEs in the city of Probolinggo.

2. Literature Review

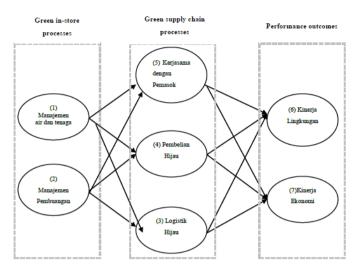
According to Agus Purnomo (2010), Green Supply Chain Management is a management tasked with integrating business processes by collaborating between supply chain partners and other stakeholders. Green Supply Chain management itself will reduce the risk of effects such as pollution, waste, and other environmental hazards. According to (Kovács, 2008) Disposal management is in charge of managing the residue from the management of a product or service. Disposal of that management will reduce and control the effects of production that can pollute the environment. Rodrigue, (2001), defines Green Management as a management concept in business but still pays attention to the environment. The concept of Green Management is now a concern in academic circles. Green Management shows the construction of green business, which if applied in a company can prevent negative effects in the social and environmental environment, but can still be profitable for the company. There are three levels in the implementation of a Green Management system by a company, namely the development of environmental regulations, system planning for implementing the rules, and their application in practice. The rules must contain the company's commitment to focus on the environment. At the second level, plan the system in the company. And third, is the implementation. Environmental Performance is a measurable achievement of the environmental management system, which is related to the control of environmental aspects, environmental targets and environmental targets. According to Ikhsan (2008), Environmental performance is the activities carried out by the company that are directly related to the surrounding natural environment. Meanwhile, according to Ari Retno (2010) Environmental Performance is how the company's performance to take part in preserving the environment. Environmental Performance is made in the form of a rating by an institution related to the environment.

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Picture 1 Framework

Resource: Green Supply Chan Manajemen in food retailing: survey-evidence in Croatia (Peltjak, Kristina, 2017)

According to Peltjak, Kristina (2017) Green In-Store Processes as Independent Variables that will affect Performance Outcomes (Environmental Performance and Economic Performance) as Dependent Variables by using Green supply chain processes (Cooperation with Suppliers, Green Purchasing, and Green Logistics) as mediating. The framework as shown in Figure 1 explains the relationship between Green In-Store, Green In-Store (Water and Energy Management, and Waste Management), Green supply chain processes (Cooperation with Suppliers, Green Purchasing, and Green Logistics), on the Performance Outcomes (Environmental Performance, and Economic Performance) of an object of research, in this case the UMKM in Probolinggo City. The difference from previous research is in terms of the object of this research is MSMEs in Probolinggo. Previous researchers only tested the hypothesis with a direct effect by looking for the relationship between each variable. While the focus of this research is to find the relationship of each variable directly or indirectly. The role of researchers in this study as data collectors, data managers, and analyzers on the results of this study.

3. Research Methodology

The population is the entire element that will be used as inference or generalization. According to Hadari Nawawi (1983) The population in this study is MSMEs in Probolinggo City. According to Sugiyono (2013:81) Sampling is part of the population in the form of numbers and characteristics. For the sample from this study, 30 samples of MSMEs in Probolinggo were taken. In this study, the sampling procedure used a non-probability technique using the purposive sampling method. Quantitative research uses clear data analysis techniques and is directed to answer the problem formulation or test hypotheses in the proposal. The data analysis technique uses statistical methods that are already available because the data is quantitative. This study uses descriptive analysis and uses a continuum line to help analyze the results of the questionnaire. In this study, researchers also used quantitative methods obtained from respondents using a Likert scale through questionnaires distributed using google forms and then processed using the PLS program because in the framework of this research there were more than one dependent variable. There are several

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structural model assessment procedures that can be used to justify the results of the PLS called the rule of thumb.

4. Result

Based on the results of the data that has been obtained, the next step researchers process data using smartPLS 3.0 software, the option used to calculate the model is using PLS Algorithm and Bootstrapping.

Table 1 Outer Loading Result (Factor Loading)

Latent Variable	Indicator	Loading	Conclusion
Water and Dayyar Management	X1.1	0,869	reliable
Water and Power Management	X1.2	0,948	reliable
	X2.1	0,853	reliable
Disposal Management	X2.2	0,809	reliable
	X2.3	0,772	reliable
Graan Logistics	Y1.1	0,930	reliable
Green Logistics	Y1.2	0,848	reliable
Green Purchase	Y2.1	0,937	reliable
Green Furchase	Y2.2	0,820	reliable
	Y3.1	0,774	reliable
Cooperation with Suppliers	Y3.3	0,860	reliable
	Y3.4	0,795	reliable
	Z1.1	0,729	reliable
	Z1.2	0,776	reliable
Environmental Performance	Z1.3	0,707	reliable
	Z1.4	0,763	reliable
	Z1.5	0,703	reliable
	Z2.1	0,873	reliable
Economic Performance	Z2.2	0,824	reliable
	Z2.3	0,779	reliable

Table 2 Construct Realibility dan Validity Result.

	Cronbach's Alpha	rho_A	Composite Reliability (CR)	Average Variance Extracted (AVE)
Water and Power	0,798	0,909	0,905	0,826
Management			·	·
Disposal Management	0,746	0,751	0,853	0,660
Green Logistics	0,746	0,816	0,884	0,792
Green Purchase	0,725	0,848	0,873	0,775
Cooperation with	0,744	0,779	0,851	0,657
Suppliers				
Environmental	0,793	0,796	0,855	0,542
Performance				
Economic Performance	0,774	0,815	0,886	0,683

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Based on the results of the table above, the results of data processing show that all variables have a Conbach's Alpha value above 0.7, it can be concluded that all of these variables are reliable. Internal Consistency reliability is used to measure and test the consistency of indicators on one variable, as measured by the value of Cronbach's alpha and the value of composite reliability A construct is declared reliable if the value of Cronbach's alpha and composite reliability is above 0.7. All variables have Cronbach's alpha and CR values of more than 0.7, it can be concluded that the construct is declared reliable. Convergent Validity is used to measure the validity of indicators as a measure of variables that can be seen from the outer loading of each variable indicator. An indicator is said to have good reliability if it has an outer loading value above 0.7 The indicator is said to be valid if the AVE (Average Variance Extracted) value is above 0.50 so it can be said that the measurement has met the criteria for convergent validity. Each variable indicator has a value of more than 0.50 which means that all indicators are declared valid.

Discriminant Validity is a reflective indicator that can be seen in the cross loading value between the indicator and its construct. The results of the discriminant validity test can be seen from the cross loading correlation table which is an alternative to the AVE test and the Fornell-Larker Criterion Correlation.

Table 3 Fornell-Larcker Criterion Correlation

Table 3 Fornen-Larence Criterion Correlation							
	Water					Enviro	Econo
	and	Disposal	Green	Green	Cooperati	nment	mic
	power	Manage	Logist	Purchase	on with	al	Perfor
	manage	ment	ics	Turchase	Suppliers	Perfor	mance
	ment					mance	
Water and	0,909						
power							
management							
Disposal	0,040	0,812					
Management							
Green	0,216	0,053	0,890				
Logistics							
Green	0,103	0,283	0,524	0,880			
Purchase							
Cooperation	0,192	0,215	0,319	0,470	0,810		
with							
Suppliers							
Environment	0,191	0,297	0,173	0,271	0,263	0,736	
al							
Performance							
Economic	0,358	0,182	0,161	0,179	0,277	0,497	0,826
Performance							

Table 4 Cross Loading

Tuble 4 Cross Louding											
	Water and power management	Disposal Management	Cooperation with Suppliers	Green Purchase	Green Logistics	Environmental Performance	Economic Performance				
X1.1	0,869	0,006	0,144	0,127	0,107	0,181	0,355				

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X1.2	0,948	0,057	0,233	0,073	0,220	0,171	0,311
X2.1	0,082	0,853	0,046	0,260	0,111	0,270	0,230
X2.2	0,025	0,809	0,068	0,217	0,095	0,314	0,142
X2.3	0,032	0,772	0,024	0,210	0,281	0,164	0,082
Y1.1	0,182	0,100	0,930	0,527	0,239	0,215	0,116
Y1.2	0,211	0,027	0,848	0,386	0,354	0,067	0,115
Y2.1	0,066	0,310	0,455	0,937	0,342	0,301	0,160
Y2.2	0,134	0,158	0,488	0,820	0,547	0,145	0,159
Y3.1	0,022	0,198	0,253	0,388	0,774	0,254	0,190
Y3.3	0,186	0,249	0,268	0,378	0,860	0,235	0,275
Y3.4	0,263	0,037	0,256	0,388	0,795	0,138	0,192
Z1.1	0,109	0,208	0,122	0,274	0,186	0,729	0,273
Z1.2	0,260	0,192	0,155	0,191	0,216	0,776	0,536
Z1.3	0,226	0,207	0,078	0,087	0,108	0,707	0,551
Z1.4	0,092	0,136	0,080	0,224	0,107	0,763	0,335
Z1.5	0,061	0,322	0,163	0,163	0,282	0,703	0,231
Z2.1	0,285	0,019	0,182	0,226	0,262	0,364	0,873
Z2.2	0,351	0,302	0,119	0,143	0,237	0,469	0,824
Z2.3	0,244	0,162	0,074	0,021	0,167	0,423	0,779

Table 5 Heterotrait-Monotrait Ratio of Corelations (HTMT)

	Water and power manageme nt	Disposal Manageme nt	Green Logisti cs	Green Purcha se	Cooperati on with Suppliers	Environmen tal Performance	Economic Performan ce
Water and							
power							
management							
Disposal	0,076						
Managemen							
t							
Green	0,271	0,098					
Logistics							
Green	0,154	0,357	0,720				
Purchase							
Cooperation	0,258	0,280	0,448	0,691			
with							
Suppliers							
Environmen	0,260	0,387	0,219	0,309	0,312		
tal							
Performance							
Economic	0,459	0,279	0,193	0,211	0,342	0,688	
Performance							

Table 6 Result R square, R Square Adjusted dan Q square

	R square	R square Adjusted	Q^2 (=1-SSE/SSO)
Green Logistics	0,049	0,029	0,017
Green Purchase	0,088	0,069	0,052
Cooperation with Suppliers	0,080	0,061	0,043

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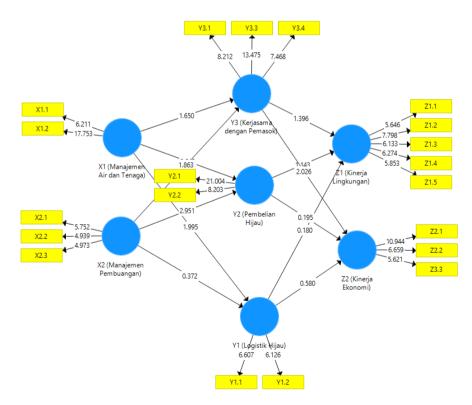
Environmental Performance	0,097	0,069	0,038
Environmental Performance	0,083	0,055	0,034

1. R square

The value of R square for variable Y (Green Logistics, Green Purchasing, and Cooperation with Suppliers) means that the effect of Variable X (Green in Store Processes) on Variable Y (Green Supply Chain Processes) is 4.9% + 8.8% + 8.3% = 22%, because it is less than 50% then the relationship between variables X and Y is weak. Meanwhile for Variable Z, Performance Outcomes (Environmental Performance and Economic Performance) amounted to 9.7% + 8.3% = 18%, because below 50%, the relationship between Variable X and Z is categorized as a weak relationship.

2. Q square

Q Square is used to measure how well the observed values generated by the model and parameter estimates are. If the Q Square value is less than 0 (zero) then the model lacks predictive relevance, whereas if the Q Square value is greater than 0 (zero) then the model has predictive relevance. So from the data obtained, the five variables have a value greater than 0 (zero), meaning that the model has predictive relevance. Researchers conducted two measurements of bootstrapping by differentiating the type of test into one-tailed and two-tailed.



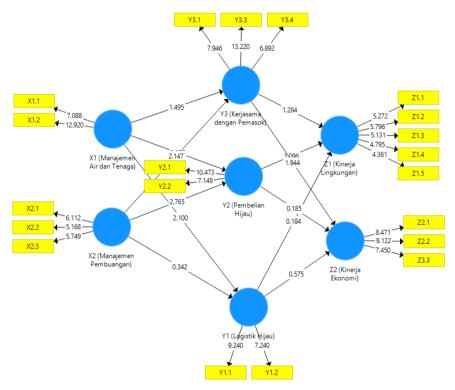
Picture 3.9 Model Struktural Bootstrapping one-tailed Result Source: Processed data (2021)

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Picture 3.10 Model Struktural Bootstrapping two-tailed Result Source: Processed data (2021)

5. Result

Based on the calculation of R Square, it is found that all variables have a weak relationship because the R Square value is less than 50%. The value of R square for variable Y (Green Logistics, Green Purchasing, and Cooperation with Suppliers) means the effect of Variable X (Green in Store Processes) on Variable Y (Green Supply Chain Processes) of 4.9% + 8.8% + 8.3% = 22%, because it is less than 50%, the relationship between Variables X and Y is weak. Meanwhile, for Variable Z, Performance Outcomes (Environmental Performance and Economic Performance) amounted to 9.7% + 8.3% = 18%, because below 50%, the relationship between Variable X and Z is categorized as a weak relationship. Based on the Q Square calculation, all variables have results above 0, so it can be concluded that the model has predictive relevance.

Table 3.21 Direct Effect Result

	Table 3.21 Direct Effect Result										
Hypothesis	Connection	Original Sample (O)	Sample Mean (M)	Standard Deviation (STDEV)	T Value	P Value	Result				
H1a	X1 -> Y1	0,214	0,218	0.113	1,897	0,029	Accepted				
H1b	X1 -> Y2	0,092	0,094	0,115	0,802	0,212	Not				
							Accepted				
H1c	X1 -> Y3	0,183	0,183	0,117	1,565	0,059	Not				
							Accepted				
H2a	X2 -> Y1	0,045	0,052	0,119	0,376	0,354	Not				
							Accepted				

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H2b	X2 -> Y2	0,279	0,282	0,094	2,964	0,002	Accepted
H2c	X2 -> Y3	0,208	0,230	0,099	2,094	0,018	Accepted
H3a	$Y1 \rightarrow Z1$	0,025	0,024	0.134	0,188	0,426	Not
							Accepted
H3b	$Y1 \rightarrow Z2$	0,069	0,077	0,121	0,572	0,284	Not
							Accepted
H4a	$Y2 \rightarrow Z1$	0,177	0,179	0,169	1,046	0,148	Not
							Accepted
H4b	$Y2 \rightarrow Z2$	0,029	0,014	0,156	0,189	0,425	Not
							Accepted
H5a	Y3 -> Z1	0,171	0,196	0,130	1,323	0,093	Not
							Accepted
H5b	$Y3 \rightarrow Z2$	0,241	0,266	0,123	1,960	0,025	Accepted

Source: Processed data (2021)

Based on the results of the table above, the following conclusions can be drawn:

- 1. The relationship between Water and Power Management and Green Logistics is significant.
- 2. The relationship between Water and Power Management with Green Purchasing is not significant.
- 3. The relationship between Water and Power Management with Cooperation with Suppliers is not significant.
- 4. The relationship between Disposal Management and Green Logistics is not significant.
- 5. The relationship between Disposal Management and Green Purchasing is significant.
- 6. The relationship between Disposal Management and Cooperation with Suppliers is significant.
- 7. The relationship between Green Purchasing and Environmental Performance is not significant.
- 8. The relationship between Green Purchasing and Economic Performance is not significant.
- 9. The relationship between Green Logistics and Environmental Performance is not significant.
- 10. The relationship between Green Logistics and Economic Performance is not significant.

Based on the calculation of the smartPLS software, the data is processed by Direct Effect using Bootstraping with a one-tailed test type, it can be concluded that the Water and Power Management variable for Green Logistics has a T Value of 1.897 which is greater than the direct T table of 1.65 and has a significance level of 5%. Then H0 is rejected and H1 is accepted, meaning that the green logistics variable has a direct effect or has a relationship with Water and Energy Management. Then H1a is accepted. These results are in line with previous research conducted by Peltjak, Kristina (2018), explaining that Green Logistics has a positive effect on Water and Energy Management. Disposal Management of Green Logistics has a negative effect with a T Value of 0.366 which is smaller than the direct T table of 1.65 and has a significance level of 5%. Then H0 is accepted and H1 is rejected, meaning that the Green Logistics variable has no direct effect or has a relationship with Disposal Management. Then H2a is rejected. These results are in line with previous research conducted by Peltjak, Kristina (2018), explaining that Green Logistics has a negative effect

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on Disposal Management. Disposal Management of Green Purchases has a positive influence with a T Value of 2.964 which is greater than the direct T table of 1.65 and has a significance level of 5%. Then H0 is rejected and H1 is accepted, meaning that the Green Purchase variable has a direct effect or has a relationship with Disposal Management. Then H2b is accepted. These results are in line with previous research conducted by Peltjak, Kristina (2018), explaining that Green Purchasing has a positive effect on Disposal Management. Disposal Management on Cooperation with suppliers has a positive influence on the T Value of 2.094 which is greater than the direct T table of 1.65 and has a significance level of 5%. Then H0 is rejected and H1 is accepted, meaning that the Cooperation with Suppliers variable has a direct effect or has a relationship with Disposal Management. Then H2c is accepted. These results are in line with previous research conducted by Peltjak, Kristina (2018), explaining that Cooperation with Suppliers has a positive effect on Disposal Management. Green Purchase on Economic Performance has a negative effect with a T Value of 0.189 which is smaller than T table indirect 1.65 and has a significance level of 5%. Then H0 is accepted and H4 is rejected, it can be concluded that the Economic Performance variable has no direct effect or has no relationship to green purchases. So H4b is rejected. This result is in line with previous research conducted by Peltjak, Kristina (2018), explaining that economic performance has a negative effect on green purchases.

6. Conclusions and Recommendations

From the results obtained, not all variables affect Environmental and Economic Performance, if MSME actors in the city of Probolinggo want to improve Environmental and Economic Performance then they need to pay attention to aspects of the Green In Store Processes and Green Supply Chain Processes variables. In the Green In Store Processes variable, implementing good Water and Energy Management, and Waste Management will improve performance in the Green Supply Chain Processes field. The Green Supply Chain Processes variable that affects the field of Economic Performance is the Cooperation with Suppliers variable. MSME actors must also pay attention to external factors that affect Environmental Performance and Economic Performance. The variables that have a direct significant effect are Water and Power Management with green logistics, Waste Management with Green Purchasing, Disposal Management with Cooperation with Suppliers and Cooperation with Suppliers with Economic Performance. For further research, it is possible to use the same research model in different industries with a wider scope. From the results obtained, not all variables have an effect on Environmental and Economic Performance. Probolinggo city government wants to improve Environmental and Economic Performance, so they need to pay attention to aspects of the Green In Store Processes and Green Supply Chain Processes variables. Researchers suggest that the Probolinggo city government should directly guide MSMEs regarding the implementation of Green Supply Chain. The Probolinggo city government can help fund MSMEs and suppliers to produce or use environmentally friendly bags in order to reduce the plastic waste produced by MSME actors. In addition to educating MSME actors and suppliers, the researchers also suggest that the Probolinggo city government also educates the city community to be wiser in using and disposing of plastic waste.

References

Admin. (2018, May 8). Jumlah Usaha/Perusahaan di Kota Probolinggo Menurut Kecamatan dan Skala Usaha Hasil Sensus Ekonomi 2016. Retrieved from Badan Pusat Statistik

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https://jurnal.stie-aas.ac.id/index.php/IJEBAR

Kota Probolinggo: https://probolinggokota.bps.go.id/statictable/2018/05/08/301/jumlah-usahaperusahaan-di-kota-probolinggo-menurut-kecamatan-dan-skala-usaha-hasil-sensus-ekonomi-2016.html

- Al Khattab, S. A., & Abu-Rumman, A. H. (2015). The Impact of the Green Supply Chain Management on Environmental-Based Marketing Performance. *Journal of Service Science and Management*, 588-597.
- Arditya N, W., Yanuar, R. A., & Akbar, M. D. (2018). Supply Chain Operation Reference (SCOR) Model dan Analytical Hierarchy Process (AHP) Untuk Mendukung Green Procurement pada Industri Penyamakan Kulit. *Journal Industrial Servicess*, 1-6.
- Azanella, L. (2018, November 11). sampah plastik dunia dalam angka. Retrieved from International Kompas: https://internasional.kompas.com/read/2018/11/21/18465601/sampah-plastik-dunia-dalam-angka?page=all
- Berty, T. T. (2019, July 15). 5 Negara Penghasil Limbah Plastik Terbanyak di Dunia, Ada Indonesia. Retrieved from Liputan 6: https://www.liputan6.com/global/read/4013236/5-negara-penghasil-limbah-plastik-terbanyak-di-dunia-ada-indonesia
- Bhool, R., & M.S, N. (2013). An Analysis of Drivers Affecting the Implementation of Green Supply Chain Management for the Indian Manufacturing. *International Journal of Research in Engineering and Technology*, 242-252.
- C, M., S.Zs, K., T, T., & Nagy, I. (2018). Energy Potential of Waste: Case Study of the Hungarian. *PLIN2018*.
- Green Jr, K. W., Whitten, D., & Inman, A. R. (2008). The impact of logistics performance on organizational performance in a supply chain context. *Supply Chain Management: An International Journal*, 317-327.
- Hair, J. F. (2020). Next-generation predictionmetrics for composite-based PLS-SEM . 1-4.
- Hair, J. F., Hult, G. T., Ringle, C. M., & Sarstedt, M. (2016). A Primer On Partial Least Squares Structural Equation Modelling (PLS-SEM) . Los Angeles: SAGE Publications.
- Hidayutllah, M. (2019, June 14). *Wow, Volume Sampah di Probolinggo Tercatat 170 Ton Setiap Hari*. Retrieved from Jatimnow: https://jatimnow.com/baca-16969-wow-volume-sampah-di-probolinggo-tercatat-170-ton-setiap-hari
- Kumar, S., Luthra, S., & Haleem, A. (2013). Customer Involvment in greening the supply chain: a interpretive sructural modelling methodology. *Journal of Industrial Engineering Internasional*, 1-13. Peltjak, K. (2017). Supply Chain Management; An International Journal. *Green Supply Chain-Management in food Retailing:survey based evidence in Croatia*.
- Priyono. (2016). Metode Penelitian Kuantitatif. Sidoarjo: Zifatama Publishing.
- Pujawan, N., Piplani, R., & S, R. (2008). Sustainable Supply Chain Management. *International Journal of Production Economics*.
- Purnomo, A. (2013, June 4). *Potensi Green Supply Chain Management untuk Menurunkan Biaya Logistik Nasional*. Retrieved from Supply Chain Indonesia: https://supplychainindonesia.com/potensi-green-supply-chain-management-untuk-menurunkan-biaya-logistik-nasional/
- Purnomo, A. (2013). Potensi Green Supply Chain Management untuk Menurunkan Biaya Logistik Nasional. *Supply Chain Indonesia*, 2.

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https://jurnal.stie-aas.ac.id/index.php/IJEBAR

- Puryono, D. A., & Kurniawan, S. Y. (2017). Pengukuran Tingkat Efektivitas Kinerja UMKM Batik Bakaran Secara Berkelanjutan Mengunakan Model Green SCOR. *Jurnal Informatika Upgris*, 16-23.
- Rahmayanti, D., & Putri, U. (2011). Perancangan Model Pengukuran Kinerja Lean dan Green Rantai Pasok Semen secara Terintegrasi. *Optimasi SIstem Industri*, 135-144.
- Ritchi, H., & Roser, M. (2018, September). *Plastic Pollution*. Retrieved from Ourworldindata: https://ourworldindata.org/plastic-pollution
- Rodrigue, J.-P., Slack, B., & Comtois, C. (2001). Green Logistics (The Paradoxes of) . *The Handbook of Logistic and Supply-Chain Management*.
- Sugiyono. (2013). Metode Penelitian Kuantitatif dan Kualitatif. Bandung: Alfabeta.
- Widyaningrum, G. (2018, November 21). *Perilaku Manusia dan Dampak Sampah Plastik yang Menewaskan Hewan Laut*. Retrieved from National Geographic: https://nationalgeographic.grid.id/read/131244353/perilaku-104 manusia-dan-dampak-sampah-plastik-yang-menewaskan-hewan-laut?page=al
- Yulita, H. (2019). Pengaruh Strategi Orientasi Organisasi terhadap Manajemen Rantai Pasok Hijau dan Kinerja Bisnis. *Co-Management*, 123-137.
- Yunianto, T. K. (2020, January 1). *YLKI Dorong Pemerintah Terapkan Standar Plastik Ramah Lingkungan*. (Ekarina, Editor) Retrieved from Katadata: https://katadata.co.id/berita/2020/01/14/ylki-dorong-pemerintah-terapkan-standar-plastik-ramah-lingkungan
- Yuswanto, M., Marimin, & Haryanto, t. (2016). Model Sistem Pendukung Pengambilan Keputusan Cerdas Manajemen Rantai Pasok Hijau Obat Herba. *Jurnal Ilmu Komputer Agri-Informatika*, 102–111 Zhu, Q. (2004). Green supply chain management in China: pressures, practices and performance. *Green supply chain management*, 449-465.