# SUSTAINABLE FIRM PERFORMANCE OF GREEN SUPPLY CHAIN MANAGEMENT PRACTICE AT PETROCHEMICAL INDUSTRY

YUARY FARRADIA

A thesis submitted in
fulfillment of the requirement for the award of the
Degree of Doctor of Philosophy in Technology Management

Faculty of Technology Management and Business
Universiti Tun Hussein Onn Malaysia

FEBRUARY 2020

# DEDICATION

**With the grace of the Almighty ALLAH SWT,**

I dedicate this thesis to my beloved best parent in my whole life (my mother Hj. E.Kesuma Pertiwi and my father H. Ir. Ruslan Effendy), my beloved best son in my whole life, Mohammad Rifal Aldifa Hidayah and my beloved best husband in my whole life, Prof. Dr. Ir. H. Mas Tri Djoko Sunarno, MS.

## ACKNOWLEDGEMENT

Alhamdulillah, all praises to ALLAH, SWT for the strengths and blessing in completing this thesis.

I would like to express my high sincere gratitude to my supervisor, Prof. Dr. Haji. Abdul Talib Bin Bon for his continuous support and motivation of finishing this thesis. Special appreciation also goes to my co-supervisor Alm. Prof. Dr. Eddy Mulyadi Soepardi CFr.A,CA for his support and guidance as well as my field supervisor Ignatius Widiatmoko, SKM.

There are so many people have helped and support me to finish this thesis as well as the Petrochemical Manufacturers Industry for my data collection and none of these support would have been possible without the love, patience and prayers of my beloved parent and son as well as my brothers and whole families. Special thanks dedicated to my beloved husband Prof. Dr. H. Ir. Mas Tri Djoko Sunarno, MS for his support, motivation and encouragement.

In addition I also would like to thank to Universitas Pakuan – Bogor, Indonesia in particular to the Rector (Prof. Dr. H. Bibin Rubini, M.Pd), Vice Rector Academic and Students Affair (Dr. H. Eka Suhardi, M.Si), Vice Rector Human Resource and Finance (Dr. H. Hari Muharam, SE., MM), Vice Rector Research, Innovation and Collaboration (Prof. Dr. Ir. H. Didik Notosoedjono., M.Sc), University Secretary (Dr. H. Oding Sunardi, M.Pd), Head of Management - Post Graduate Program (Prof. Dr. H. Hari Gursida, SE.,MM.,Ak) and the Dean of Faculty Economics (Dr. Hendro Sasongko, Ak., MM., CA).

I also would like to express my special thanks to my best friend at FPTP UTHM, Dr. Zairra Mat Jusoh and Ivy, also to my lovely team work Roro Jongrang, International Office, Career Development and Public Relation team at Universitas Pakuan, for their extra support, encourage and motivation given to me as well as to Besse Warni, SP., MM. Last but not least, I would like to thanks for the support and valuable review from my UTHM examiners panel.

# ABSTRACT

Indonesia's petrochemical sector contributes to 3% of Indonesian Gross Domestic Products. One of the main problem in this industrial development is the green industry standard in line with the energy scarcity due to high demand on the energy within the industrial sector as well as availability of *naphtha* raw material. Therefore, to achieve the industry sustainability it is a need to have Green Supply Chain Management (GSCM) model toward petrochemical industry sustainability in line with the Green Industry Long Run Strategic Plan in Indonesia. This study aimed at exploring the relationship between internal and external GSCM practices on sustainable firm performance by having Green Marketing Mix (GMM) as mediator as well as external supply chain integration as moderator on the mediator (GMM) and developing the best model of the GSCM to be implemented in the local industry. The quantitative method involved a survey of 58 respondents among petrochemical olefin firms based in Banten Province, Indonesia. The data analysis using PLS SEM SmartPLS 3, revealed that the internal and external GSCM has no direct effect on sustainable performance but has a positive indirect effect on sustainability economic and social performance. GMM has a positive effect on both internal and external GSCM as well as sustainability economic, environment and social performance. The mediation effect results show that the GMM mediates the internal and external GSCM with sustainability economic and social performance. Hypotheses related to the moderated mediation interaction are rejected. Hence, it can be asserted that the sustainability firm performance of petrochemical industry in Indonesia is generated by mediator role of the GMM on the internal and external GSCM. The GSCM practice at local petrochemical industry has an indirect effect to the sustainability firm performance. The outcome of this study is the best-recommended model describe the relationship among the internal and external GSCM, GMM and sustainability firm performance. The implication of this research is providing insights on theory advancements and practical application at the specific segment of the petrochemical industry.

# ABSTRAK

Sektor petrokimia Indonesia menyumbang kepada 3% Keluaran Dalam Negara Kasar Indonesia. Salah satu masalah utama yang dihadapi dalam pembangunan perindustrian petrokimia adalah berkaitan dengan piawaian industri hijau serta kekurangan *naphtha* sebagai bahan mentah sehingga menghasilkan kos tinggi produk yang tertakluk kepada import bahan mentah ini. Untuk mencapai kemampanan ekonomi industri, memerlukan model yang mengaitkan Pengurusan Rantaian Bekalan Hijau (*GSCM*) ke arah kemampanan industri petrokimia yang seiringan dengan Pelan Strategik Jangka Panjang Industri Hijau. Oleh itu, tujuan kajian ini meneroka hubungan antara amalan *GSCM* dalaman dan *GSCM* luaran terhadap prestasi firma yang mampan dengan mengambil kira campuran pemasaran hijau (*GMM*) sebagai *mediator* dan juga Integrasi rantaian bekalan luar (*ExSCI*) sebagai *moderator* bagi *mediator* (*GMM*), dan membangunkan model *GSCM* terbaik yang mungkin akan dilaksanakan dalam industri tempatan. Pengedaran soal selidik kepada 58 responden di kalangan firma petrokimia *olefin* yang berpusat di Wilayah Banten, Indonesia telah dijalankan. Analisis data telah menggunakan *PLS-SEM SmartPLS 3*, menunjukkan bahawa *GSCM* dalaman dan luaran tidak mempunyai kesan langsung terhadap kemampanan prestasi industri. *GSCM* dalaman dan luaran mempunyai kesan tidak langsung terhadap kemampanan prestasi ekonomi dan sosial. Berkaitan kesan *mediator*, hasil dapatan menunjukkan *GMM* mempunyai kesan positif terhadap kedua-dua *GSCM* dalaman dan luaran, begitu juga terhadap kemampanan prestasi ekonomi, persekitaran dan sosial. Hasil kesan perantaraan menunjukkan bahawa *GMM* mengantara *GSCM* dalaman dan luaran dengan kemampanan prestasi ekonomi dan sosial. Walau bagaimanapun, semua hipotesis berkaitan dengan interaksi perantaraan sederhana adalah ditolak. Secara kesimpulannya, kemampanan prestasi firma dalam sektor petrokimia di Indonesia digerakkan oleh peranan *mediator* (*GMM*) terhadap *GSCM* dalaman dan luaran. Amalan *GSCM* yang terdapat dalam industri petrokimia tempatan mempunyai kesan secara tidak langsung terhadap

kemampanan prestasi firma. Dapatan daripada kajian ini menghasilkan cadangan sebuah model terbaik yang menghuraikan hubungan diantara *GSCM* dalaman dan luaran, *GMM* dan kemampanan prestasi firma. Implikasi kajian ini adalah memberi lebih pemahaman terhadap perkembangan teori dan praktikal bagi segmen tertentu dalam industri pertokimia.

# TABLE OF CONTENTS

# LIST OF TABLES

## LIST OF FIGURES

## LIST OF ABBREVIATIONS

| | |
|---|---|
| AVE | Average Variance Extracted |
| CB-SEM | Covariance-based Structural Equation Modelling |
| CR | Composite Reliability |
| EB | Ethyl Benzene |
| EDC | Ethylene Dichloride |
| EG | Ethylene Glycol |
| ESCI | External Supply Chain Integration |
| EO | Ethylene Oxide |
| EMS | Environmental Management System |
| GDP | Gross Domestic Product |
| GMM | Green Marketing Mix |
| GP | Green Purchasing |
| GSCM | Green Supply Chain Management |
| HOC | Higher-Order Component |
| HTMT | Heterotrait-Monotrait Ratio |
| IEM | Internal Environment Management |
| ISO | International Standards Organization |
| LOC | Lower-Order-Component |
| MOE | Ministry of Environment |
| MOEF | Ministry of the Environment and Forestry |
| PE | Polyethylene |
| PP | Polypropylene |
| PLS-SEM | Partial Least Square-Structural Equation Modelling |
| RDT | Resource Dependance Theory |
| RVB | Resource-based View |
| SEM | Structural Equation Modelling |
| SPSS | Statistical Package for Social Sciences |
| SIH | Standard Industri Hijau |

| | |
|---|---|
| SM | Styrene Monomer |
| TBL | Triple Bottom Line |
| UK | United Kingdom |
| USA | United States of America |
| UTHM | Universiti Tun Hussein Onn Malaysia |
| VCM | Vinyl Chloride Monomer |
| VIF | Variance Inflation Factor |

# LIST OF APPENDICES

# CHAPTER 1

# INTRODUCTION

## 1.1 Background of the study

Sustainability is one of the most significant performance objectives for any industry and becomes an important concept, covering aspects of economic, environmental and social responsibility. With the development of environmental awareness and sustainability, a single performance indicator no longer dominates market value instead of the triple bottom line (TBL) framework integrate economic, environmental, and social performance (Chung *et al.*, 2016). It is, therefore, sustainability is the goal or endpoint of a process called sustainable development (Diesendorf, 2000).

Sustainable development is the pathway to sustainability (WCED, 1987) because sustainable development comprises various types of economic and social development, which protect and enhance natural environment, social equity and human well-being as well. Applying sustainable development in an industry has made remarkable progress in establishing environmental and social sustainability towards operations management and the supply chain. Every industry requires sustainable development, including petrochemical industry. Achievement sustainable development in the petrochemical industry will figure out its contribution to nation economic development. Sustainability is an inherent part of the petrochemical business strategy along with the business growth. The petrochemical industry,

therefore, must consider and be aware to aspects of social and environmental as a primary priority (Chandra Asri Sustainability Report, 2018).

Environmental issues that are developing lately are climate change and being environmentally friendly. According to Kearney (2010), petrochemical industry contributes to a growing problem or leaders in mitigating a global environmental crisis. It means that petrochemical industry has to change from conventional environment management to the more extensive approach of reducing pollution through handling extraction raw material, transportation, manufacturing, product use, recycling and disposal (Matos and Hall, 2007). Consequently, Green Supply Chain Management (GSCM) proposed a novel managerial action to create sustainability in manufacturing activities through their environmental minimizing impact and enhancing ecology efficiency is necessary (Pietro, 2012).

GSCM refers to all phases of supply chain management that needs to adhere to the environmental protection requirements (Wu, 2013; Zhu & Sarkis, 2007). Roespinoedji *et al*. (2019) study in the effect of GSCM practices in Indonesian manufacturing small and medium enterprises concluded that both green manufacturing and green purchasing has positive relationship with operational performance. In the study of petrochemical industry conducted by Khaksar *et al.* (2015) determined the important GSCM drivers as internal environmental management, environmental regulations, green purchasing, cleaner production, recovery, eco-design and pollution, reverse logistic, green supplier, return on investment and green innovation and cooperation with customers. The firm within the petrochemical industry has committed to provide satisfaction to its customers by presenting better-quality service through the implementation of its working at risk controlled environment program. Moreover, environmental and sustainability create an urgent attention at almost research discipline such as sustainable marketing (Gordon *et al.*, 2011), sustainable consumption (Tseng *et al.,* 2013) and sustainable marketing strategy (Kumar *et al.,* 2013). In line with the business development, company's' marketing division, therefore, tasks to work even more professionally to strengthen the company's' position to face the challenges in globalization era.

Earlier study on green marketing reveals that green marketing and management is a strategic issue (Siegel, 2009), because of not only being green makes a firm "good", but also being green pays (Ambec & Lanoie, 2008; Russo & Fouts, 1997). Green marketing strategic influences significantly on improving the

quality of the environment as well as the corporate profitability (Setiaji, 2014). Hasan & Ali (2017) studying on the relationship between green marketing strategies and performance outcomes for business sustainability, found that green marketing mix (GMM) consisting of green product, green price, green promotion, and green distribution has significantly and positively affected on the organizational performance of ISO 14001 EMS firms in Malaysia. It means that GMM strategy is the best communication tool for consumers in determining the choice of eco-friendly products. GMM provides benefit to both consumers and the environment. In Indonesia, most of petrochemical firms put high effort on sales, both in domestic and export markets. The firms never stop putting efforts to improve their competitiveness and make innovation in marketing their petrochemical product. According to marketing concept, promotion of product of petrochemical is necessary although its business uses model of business to business (B2B) for export and import as well.

In business, there is strong relationship between supplier and buyer. According to Kumar & Rahman (2015), buyer-supplier relationship is very useful for developing a sustainable supply chain. The combination of supply chain integration and complexity management is the enabler key for firm to synchronize crossing its customers, products, suppliers, and employees as well as supply chain strategies and operations. Hence, the integrated supply chain between customers and suppliers possess a relationship to the GSCM practice.

In Indonesia, the GSCM is in line with the government plan. The Indonesia Government puts high effort on the integrated petrochemical industry development by strengthening research and development toward green industry to create more potential market and to achieve the sustainability as well (Indonesia Development Regulation No. 14, 2015). Regarding to the environment sustainability, the Government of Indonesia during 2015–2019 focuses on reducing greenhouse gas emissions and strengthening national energy security. Indonesia Ministry of Industry Report (2015) stated that one of the main problem faced in national industrial development was the green industry standard in line with energy scarcity due to high demanding on the energy within the industry sector. Therefore, the Indonesia's Industry Ministry has enacted a new regulation to set sustainability requirement and layout the incentive for businesses to help the country lower its carbon emissions by 29% by 2030 (Jakarta Globe, 2017).

# REFERENCES


Abdullah, R., (2016). *Green Supply Chain Practices and Sustainable Performance Among ISO 14001 Manufacturing Firms: The Moderating Effect of Supply Chain Integration*. Thesis Universiti Sains Malaysia: Thesis Ph.D

Abdallah, T., Diabat, A., & Rigter, J. (2013). Investigating the option of installing small scale PVs on facility rooftops in a green supply chain. *International Journal of Production Economics*, 146(2), 465-477.

Abdulrahman, M. D., Gunasekaran, A., & Subramanisan, N. (2014). Critical bariers in implementing reverse logistics in the Chinese manufacturing sectors. *International Journal of Production Economics*, 147 (part B), 460-471

Abzari, M., Shad, F.S., Sharbiyani, A.A.A., Morad, A.P. (2013). Studying the Effect of Green Marketing Mix on Market Share Increase. *European Online Journal of Natural and Social Sciences 2013*, vol. 2, No. 3 (s), p.641. Retrieved from www. European-science. Com

Adawiyah, W.R., Pramuka, B.A., Najmudin and Jati, D.P., (2015). Green Supply Chain Management and its Impact on Construction Sector Small and Medium Enterprises (SMEs) Performance: A Case of Indonesia. *International Business Management* 9 (6): 1339 – 1345. Medwell Journals.

Adelina, W and Kusumastuti, R.D. (2017). Green Supply Chain Management Strategy Selection Using Analytic Network Process: Case Study at PT XYZ. *IORA IOP Publishing IOP Conf. Series: Materials Science and Engineering* 166 (2017) 012026 doi:10.1088/1757-899X/166/1/012026

Aguinis, H., Edwards, J. R., & Bradley, K. J. (2016). Improving our understanding of moderation and mediation in strategic management research. *Organizational Research Methods,* 20(4), 665-685.

Ahi, P. and Searcy, C. (2013). A comparative literature analysis of definitions for green and sustainable supply chain management. *Journal of Cleaner Production*, Vol. 52, p. 329-341.

Aksoy, A., Kucukoglu, I.-, Ene, S. and Ozturk, N., (2014). Integrated Emission and Fuel Consumption Calculation Model for Green Supply Chain Management. *Procedia - Social and Behavioral Sciences* 109, 1106 – 1109.

Albino, V., Balice, A. and Dangelico, R. M. (2009), "Environmental strategies and green product development: an overview on sustainability-driven companies". *Business Strategy and the Environment*, Vol. 18, No. 2, pp. 83-96.

Alhaddi, H. (2015). Triple Bottom Line and Sustainability: A Literature Review. *Business and Management Studies*, 1(2), 6-10. Publishing House of Wrocław University of Economics Wrocław.

Al-Hersh, A.M & Aburoub, A, S. (2015). The Impact of Application Green Marketing Criteria on the Marketing Performance. Global Journal of Management and Business Research: E Marketing Volume 15 Issue 2 Version 1.0 Publisher: Global Journals Inc. (USA) Online ISSN: 2249-4588 & Print ISSN: 0975-5853

Alshammari,A., Bagabas, A.A., & Kalevaru, E.N. (2016). Production of Ethylene and its Commercial Importance in the Global Market. *IGI Global*. DOI: 10.4018/978-1-4666-9975-5.ch004

Al-Salaymeh M. (2013). The Application of the Concept of Green Marketing in the Productive Companies from the Perspective of Workers. *Interdisciplinary journal of contemporary research in business*. 2013; 4(12):634- 641.

Alshura, M.S.K.and Awawdeh, H.Z.Y. (2016). Green Supply Chain Practices as Determinants of Achieving Green Performance of Extractive Industries in Jordan. *International Journal of Business and Social Science*, Vol. 7 No. 7, pp. 166-177.

Ambec, S., and Paul Lanoie,P. (2008). Does It Pay to Be Green A Systematic Overview. *Academy of Management*. November. pp. 45-62

Amemba, C. S. (2013). Green supply chain best practices in hospitality industry in Kenya. *Global Journal of Commerce & Management Perspective*, 2(3), pp. 7-18.

Amue, G. J., & Ozuru, H. (2014). Supply Chain Integration in Organizations: An Empirical Investigation of the Nigeria Oil and Gas Industry. *International Journal of Marketing Studies*, 6(6), 129.

Angeli, E. (2016). *Green Supply Chain Management Practices among Large Global Corporations*. International Hellenic University. Thesis Master of Science (MSc) in Sustainable Development.

Ann, G.E., Zailani, S., Wahid, N.A. (2006) **A** study on the impact of environmental management system (EMS) certification towards firms' performance in *Malaysia Manag. Environ. Qual.: Int. J.,* 17 (1) (2006), pp. 73-93

Antaranews (2017). Kemenperin percepat pembangunan industri petrokimia tahun ini. https://www.antaranews.com/berita/613338/kemenperin-percepat-pembangunan-industri-petrokimia-tahun-ini

Aragón-Correa, J.A & Sharma, S. (2003). A Contingent Resource-Based View of Proactive Corporate Environmental Strategy. *The Academy of Management Review* Vol. 28, No. 1. 71-88

Arseculeratne, D. & Yazdaniifard, R. (2014). How Green Marketing Can Create a Sustainable Competitive Advantage for a Business. *International Business Research*, Vol.7, No.1.

Arunachalam, N., & de Burgh, H. (2013). Does Sustainability Matter in the B2B Environment: A Study in Marketing Attitudes and the Constraints of "Going Green" in the B2B context. *ANZMAC 2013*.

Aryanasl, A., Ghodousi J., Arjmandi, R., and Mansouri, N. (2017). Components of sustainability considerations in management of petrochemical industries. *Environmental Monitoring and Assessment,* 189:274. Springer International Publishing Switzerland 2017. DOI 10.1007/s10661-017-5962

Asha,Shrama, A and Goya,T. (2012). A Contemporary Sustainable Strategy: Green Marketing. *International Journal in Multidisciplinary and Academic Research* (SSIJMAR), 1 (2).

Ashley, S. (1993). Designing for the Environment. *Mechanical Engineering*. 115 (3)

A.T. Kearney Global Management Consulting Firm. (2015). *Environmentally Sustainable GCC Petrochemicals*. GPCA (Gulf Petrochemical and Chemical Association). A.T. Kearney, Inc

Ayuso, S, Rodríguez, M, García-Castro, R, and Ariño, M (2014). Maximizing Stakeholders' Interests: An Empirical Analysis of the Stakeholder Approach to Corporate Governance. *Business & Society*, 53, 3, p.414-439.

Azari, S., Baihaqi,I., and Bramanti, G.W. (2018). Identifikasi Risiko Green Supply Chain Management di PT Petrokimia Gresik. *Jurnal Sains dan Seni POMITS* Vol 7, no 1 (2018) 2337-3520.

Baena, G., Limon, G, J.A., Fruet, J.V. (2015). A Multicriteria Method for Environmental Management System Selection: *An Intellectual Capital Approach. J. Clean. Prod*. 105, p. 428-437.

Bag, S., Anand, N., & Pandey, K. K. (2017). Green Supply Chain Management Model for Sustainable Manufacturing Practices. *Green supply chain management for sustainable business practice*. (pp. 153-189). IGI Global.

Bagozzi, R.P., Yi, Y., (1988). On the evaluation of structural equation models. *J. Acad. Mark. Sci,* 16 (1), 74-94.

Bai, C., and Sarkis, J. (2013). Flexibility in Reverse Logistics: A Framework and Evaluation Approach. *Journal of Cleaner Production*

Bali, O., E. Kose, and S. Gumus. 2013. "Green Supplier Selection Based on IFS and GRA." *Grey Systems: Theory and Application* 3 (2): 158–176.

Bansal, P., & Roth, K., (2000). Why companies go green: a model of ecological responsiveness. *Academy of Management Journal* 43 (4), 717–736.

Barney J. B. (1986a). Organizational Culture: Can It Be a Source of Sustained Competitive Advantage? *Academy of Management Review 11(3): 656-665*

Barney J. B. (1986b.) Strategic Factor Markets: Expectations, Luck, and Business Strategy. *Management Science 32(10): 1231-1241*

Barney, J. B (1991) Firm Resources and Sustained Competitive Advantage. *Journal of Management, 17, 99-120.*

Baumert, K.A., T. Herzog and J. Pershing. (2005). *Navigating the numbers: Greenhouse gas data and international climate policy*. 1st Ed., World Resources Institute, Wahington, pp: 122.

Belz, F.-M., & Peattie, K. (2009). *Sustainability marketing: A global perspective*. West Sussex: John Wiley & Sons.

Baker, Jonathan B. 1999. "Developments in Antitrust Economics." Journal of Economic Perspectives. Winter, 13:1, pp. 181–94.

Becker, J.-M., Klein, K., Wetzels, M., 2012. Hierarchical latent variable models in PLSSEM: guidelines for using reflective-formative type models, *Long Range Planning*, 45 (5/6), 359-394.

Bhalerao & Deskhmuh. (2015). Green Marketing: Greening the 4 Ps of Marketing. *International Journal of Knowledge and Research in Management & E-Commerce*, Vol.5, Issue 2, April, 2015.p 5-8.

BKPM. (2014). Indonesia investment outlook and policy development. Indonesia investment coordinating board.

Blanco, E., Craig, T., Bateman, A. (2014). *Green Supply Chain Management*. MIT centre for transportation and logistics. Lecturer Material.

Bocken, N.M.P., Short, S.W., Rana, P., Evans, S., 2014. A literature and practice review to develop sustainable business model archetypes. *J. Clean. Prod*, 65, 42-56.

Bollen, K. (1989). *Structural equations with latent variables*. New York: Wiley.

Brockhaus, S. – Kersten, W. – Knemeyer, A.M. (2013). Where Do We Go from here Progressing Sustainability Implementation Efforts Across Supply Chains. *Journal of Business Logistics*, 34 (2), 167–182.

B.Roxas and D.Roxas (2012). Environmental sustainability orientation and Financial resources of small manufacturing firms in the Philippines. *Social Responsibility Journal*, Vol. 8, No. 2, p. 208–226.

Breckler, S. J. (1990). Applications of covariance structure modeling in psychology: cause for concern? *Psychological Bulletin*, 107(2), 260–73.

Brown, D., Dillard, J., & Marshall, R. S. (2006). *Triple bottom line: A Business Metaphor for a Social Construct*. Universitat Autònoma de Barcelona. Departament d'Economia de l'Empresa.

Burritt, R. L. (2012). Environmental performance accountability: planet, people, profits. Accounting, Auditing & Accountability Journal, 25(2), 370–405. doi:10.1108/09513571211198791

Burgess, K., Prakash J., Singh, Rana, Koroglu, (2006). Supply chain management: a structured literature review and implications for future research, International *Journal of Operations & Production Management*, Vol 26, Issue:7, pp.703-729.

Byrne, J., BA. And Humble, A.M., (2007). *An Introduction to Mixed Method Research Atlantic Research Centre for Family-Work Issues*. Mount Saint Vincent University.

Caescu, S. C., Dumitru, I., (2011) The Impact of the Economic Crises over Management Marketing Strategies of Romanian B2B Companies. *World Academy of Science, Engineering and Technology,* 59-2011, p. 2082-2085.

Carter, C. R., & Ellram, L. M. (1998). Reverse logistics: a review of the literature and framework for future investigation. *Journal of business logistics*, 19(1), 85.

Carter, C. R., Ellram, L. M., & Ready, K. J. (1998). Environmental Purchasing: Benchmarking Our German Counterparts. International Journal of Purchasing and Materials Management, 34(3), 28–38. doi:10.1111/j.1745-493x.1998.tb00299.x

Carter, C. R., L. M. Ellram, L. Kaufmann, C. W. Autry, X. Zhao, and T. E. Callarman. (2014). "Looking Back and Moving Forward: 50 years of the Journal of Supply Chain Management." *Journal of Supply Chain Management* 50 (1): 1–7

Cassel, C. M., Hackl, P., & Westlund, A. H. (2000). On Measurement of Intangible Assets: A Study of Robustness of Partial Least Squares. *Total Quality Management*, 11(7), 897-908.

Chan, R.Y.K., He. H, Chan. H.K., Wang, W.Y.C (2012). Environmental Orientation and corporate performance: The Mediation Mechanism of Green Supply Chain Management and Moderating Effect of Competitive Intensity. *Industrial Marketing Management*, 41 (2012) 621–630

Chandra Asri (2017). *Annual Report*. PT Chandra Asri Petrochemical Tbk. Indonesia

Chandra Asri (2018). *Sustainability Report*. PT Chandra Asri Petrochemical Tbk. Indonesia

Chang, W., Ellilnger, A.E., Kim, K.K., Franke, G.R,. (2016). Supply chain Integration and Firm Financial Performance: A Meta- Analysis of Positional Advantage Mediation and Moderating Factors. *European Management Journal,* 34 (2016) pp. 282-295.

Chavez, R., Yu, W., Feng, M., Wiengarten, F. (2014). The Effect of Customer Centric Green Supply Chain Management on Operational Performance and Customer Satisfaction. *Business Strategy and The Environment*, 25 (3).

Chen, Y-S (2008). The driver of green innovation and green image – Green core competence. Journal of Business Ethics, 2008. Vol. 81. pp. 531-543.

Chen, C., Shih, H., Shyur, H., & Wu, K. (2012). A business Strategy Selection of Green Supply Chain Management via an Analytic Network Process. *Computers and Mathematics with Applications*, 64, 2544-2557.

Cheng, C.C.,Yang, C., Sheu, C. (2014). The Link Between Eco-Innovation and Business Performance: A Taiwanese Industry Context. *J. Clean. Prod*. 64.

Chin, W.W. (1998). The Partial Least Squares Approach to Structural Equation Modeling. *Modern methods for business research*, 295(2), 295-336

Chin, T.A., Hamid, A.B.A., Rasli, A., Rahman, N.M.N.A.R. (2013). Mediating Effect of Operational Cooperation between Supply Chain Practices and Firm Performance. *American Journal of Economics*, Vol. 3. pp. 47-51.

Chin (a), T.A., Tat, H.H., Sulaiman, Z., Zainon, S.N.L.M. (2015). *Green Supply Chain Management Practices and Sustainability Performance*. American Scientific Publishers Advanced Science Letters.

Chin (b), T., Tat, H. and Sulaiman, Z. (2015). Green Supply Chain Management, Environmental Collaboration and Sustainability performance. *Procedia CIRP*, 26, pp. 695-699.

Chien, M.K. (2014). Influences of green supply chain management practices on organization sustainable performance. International Journal of Environment Monitoring and Protection. 1 (1), 12.

Christian, A. & Setiadi,W. (2019). Turunan bahan kimia dari industri petrokimia. Myria publisher

Choi, D. and Hwang,T. (2015). The impact of green supply chain management practices on firm performance: the role of collaborative capability. Operations Management Research December 2015, Volume 8, Issue 3–4, pp 69–83

Chung, CC., Chao, L. C., Chen, C.H., and Lou, SJ. (2016). A Balanced Scorecard of Sustainable Management in the Taiwanese Bicycle Industry: Development of Performance Indicators and Importance Analysis. *Sustainability,* 8 (6), 518.

Clark, V.L.P. and Creswell, J.W. (2015). *Understanding Research A Consumer's Guide*. Second Edition. Pearson.

Cohen, J. (1988). *Statistical power analysis for the behavioral sciences*. Mahwah, NJ: Lawrence Erlbaum.

Cordeiro, J. and Sarkis, P. (1997), "Environmental proactivism and firm performance: evidence from security analyst forecasts", Business Strategy and the Environmental, Vol. 6 No. 2,pp. 104-14

Cosimato, S. and Troisi, O. (2015). Green Supply Chain Management. *The TQM Journal*, 27 (18), p. 256-276

Creswell, John W. (2003). Research design: Qualitative, quantitative, and mixed method approaches I by John W. Creswel1.- 2nd ed. Copyright O 2003 by Sage Publications, Inc.

Creswell, J.W., (2014). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. United States: Sage Publisher.

Dahlstrom, R. (2011). Green marketing management. University of Kentucky. Masom, Ohio/USA: Southwestern.

Davies J., Hochman S., The greening of the supply chain. *Supply Chain Management Review*, 11 (2007) 13.

Darnall, N., Jolley, J., and Handfield, R. (2008), Environmental management systems and green supply chain management: complements for sustainability?, *Business Strategy and the Environment*, Vol. 17, No. 1, pp. 30-45.

Delafrooz, N., Taleghani, M., Nour,B. (2013). Effect of Green Marketing on Consumer Purchase Behaviour. *A Qatar Foundation Academic Journal*.

De Giovanni, P. (2012). Do internal and external environmental management contribute to the triple bottom line? International Journal of Operations & Production Management, 32(3), 265–290. doi:10.1108/01443571211212574

De Giovanni, P., & Esposito Vinzi, V. (2012). Covariance versus component-based estimations of performance in green supply chain management. International Journal of Production Economics, 135(2), 907–916. doi:10.1016/j.ijpe.2011.11.001

De Sousa Jabbour, A. B. L., Vazquez, D. A., Jabbour, C. J. C., & Latan, H. (2015). External GSCM and Environmental Performance of Brazilian Companies. In *Academy of Management Proceedings, 2015*(1), 17782.

Diabat, A., and Govnindan, K. (2011). An Analysis of the drivers affecting the implementation of green supply chain management. Resource, Conservation and Recycling. 55, 659 – 667

Deshpande and Nandini, M. (2011). A Conceptual Framework On Green Marketing - A Tool For Sustainable Development. *International journal of sales and marketing,* 1 (1)l, 1-16

Diabat, A., Khodaverdi, R., and Olfat, L. (2013). An Exploration of Green Supply Chain Practices and Performances in an Automotive Industry. *The International Journal of Advanced Manufacturing Technology*, 68 (1-4), p.949-961.

Dheeraj, N. & Vishal, N. (2012). An Overview Of Green Supply Chain Management In India. *Research Journal Of Recent Sciences*,Vol. 1(6), 77- 82.

Dias, R. (2010), *Environmental Management: Social Responsibility and Sustainability*. Atlas, São Paulo, p. 198.

Diamantopoulos, A.& Siguaw, J. A. (2006). Formative versus reflective indicators in organizational measure development: A comparison and empirical illustration. *British Journal of Management*, 17(4), 263-282.

Dierickx, I., & Cool, K. (1989). Asset Stock Accumulation and Sustainability of Competitive Advantage. *Management Science*, 35, 1504–1511.

Diesendorf, M. (2000). 'Sustainability and sustainable development', in Dunphy, D, Benveniste, J, Griffiths, A and Sutton, P (eds) *Sustainability*: The corporate challenge of the 21st century, Sydney: Allen & Unwin, chap. 2, 19-37.

DiMaggio, P.J. & Powell, W.W. (1983). The Iron Cage Revisited: Institutional Isomorphism and Collective Rationality in Organizational Fields. *American Sociological Review*, Vol. 48 (20), 147-160

Dominique, B., & Onnee, S. (2010). Assessing Corporate Social Performance: Strategies of Legitimation and Conflicting Ideologies. *Critical Perspectives on Accounting*, 21(6), 445-467.

Dubey, R., Gunasekaran, A, and Ali, S. (2015). Exploring the Relationship Between Leadership, Operational Practices, Institutional Pressures and Environmental Performance: A Framework for Green Supply Chain. *International Journal of Production Economics*, Vol. 160, Part A, pp. 120 -132.

Directorate General of Climate Change Ministry Of Environment And Forestry. (2015). *A Glance of Directorate General of Climate Change*. Directorate General of Climate Change.

Dong-Young, K., (2013). *"Relationship between supply chain integration and performance"*. Operation Management Research, 6, 74-90.

Ebrahimi, M., Baerz, A.M., Hosseini, S.H.K., Azar, A. (2013). A new model of petrochemical technology strategic planning. *International Journal of Business Administration,* Vol. 4, No. 2; 2013

Eco Green (2016). Ecogreen International Annual report. Ecogreen International Group Limited. Hong Kong

EIC - Economic Intelligence Center (2014). EIC Online: www.scbeic.com

Elkington, J. (1997). Cannibals with Forks: *The Triple Bottom Line of 21st Century Business*. Oxford: Capstone.

Elkington, J. (2004). *Enter the triple bottom line. In A. Henriques & J. Richardson (Eds.), The Triple Bottom Line: Does it All Add Up?* (p. 1-16). London, England: Earthscan

Eltayeb, T.K., Zailani, S.H.M., & Ramayah, T. (2011). Green supply chain initiatives among certified companies in Malaysia and environmental sustainability: Investigating the outcomes. *Resource, Conservation and Recycling*, 55, pp. 495-606.

Eneizan, B.M., Wahab, K.A., Bustaman, U.S.A. (2015). Sustainability, green marketing and green economy: Literature review. *International Journal of Applied Research*, 2015; 1(12): 954-958

Eneizan, B.M and Wahab, K.A. (2016). Effects of green marketing strategy on the financial and non-financial performance of firms: a conceptual paper. *Arabian J Bus Manag Review* 2016, 6:5 . 2-7

Eneizan, B. M, Wahab, K.A, Zainon & Obaid, T.F. (2016). Effects of Green Marketing Strategy on the Financial and Non-Financial Performance of Firms: A Conceptual Paper. *Arabian Journal of Business and Management Review*, (Oman Chapter) Vol 5 no 12. 14-27

Eneizan, B. Abdulrahman, A.S & Alabbood, A.S. (2018). The influence of environmental marketing mix on the non-financial performance of solar energy firms: The mediating role of corporate image. *International Journal Applied Research* 4(7): 190-196

E. Roghanian and P. Pazhohesfar (2014). An Optimization Model for Reverse Logistics Network Under Stochastic Environment by Using Genetic Algorithm. *Journal Manufacturing System*, vol 33. pp. 348-356.

Erol, I., Sencer, S. and Sari, R. (2011), A New Fuzzy Multi-Criteria Framework For Measuring Sustainability Performance of a Supply Chain. *Ecological Economics*, Vol. 70 No.6. p. 1088 – 1100.

Epstein, M.J., & Buhovac, A.R. (2014). *Making Sustainability Work: Best Practices in Managing and Measuring Corporate Social, Environmental, and Economic Impacts*. Berrett-Koehler Publishers.

Vinzi, V.E., Trinchera,L and Amato, S. (2010*). PLS Path Modeling: From Foundations to Recent Developments and Open Issues for Model Assessment and Improvement.* Handbook of Partial Least Squares: Concepts, Methods and Application. Pp 47-82. Springer

Evans, S., Fokeer, S., & Rezonja, G (2015). *Sustainable Assessment of Chemical Industries for Policy Advice.* The case of The Philippines, Thailand, Indonesia and Vietnam. Research, Statistics and Industrial Policy Branch Working Paper 06/2014. United Nations Industrial Development Organization. Vienna.

Fabbe-Costes, N,. Roussat, C., Taylor, M and Taylor, A. (2014), Sustainable Supply Chains: A Framework for Environmental Scanning Practices. International Journal of Operations and Production Management, Vol. 34 No 5, pp.664-694.

Falatoonoitoosi, E., Leman, Z., Sorooshian, S. and Salimi, M. (2013). Decision Making Trial and Evaluation Laboratory. *Research Journal of Applied Sciences, Engineering, and Technology*, vol. 5, no. 13, pp. 3475–3480.

Fahimnia, B., Sarkis, J. and Davarzani, H. (2015). Green Supply Chain Management: A Review and Bibliometric Analysis. *International Journal of Production Economics*, vol 162, pp. 101-114.

Farabi Petrochemical Company. (2013). *Sustainability annual report*. Saudi Arabia.

Fassott, G., Henseler, J., and Coelho,P.S. (2016). Testing Moderating Effects in PLS Path Models with Composite Variables. *Industrial Management & Daya System*, 116(9), pp. 1887-1900.

Feng (a), T., Zhao, G., K.Su. (2014). The Fit Between Environmental Management Systems and Organizational Learning Orientation. *Int. J. Prod. Res*, 52 (10), pp. 2901-2914.

Feng (b), T., Cai, D., Wang, D., Zhang, X., (2015). Environmental Management Systems and Financial Performance: The Joint Effect of Switching Cost and Competitive Intensity. *J. Clean. Prod*, 13, pp. 781–791.

Feng, T. and Wang.D (2016). The Influence of Environmental Management Systems on Financial Performance: A Moderated-Mediation Analysis. *Journal of Business Ethics*, Volume 135, issue 2, pp.265 – 278.

Fernando, Y. and Uu., N.C.R. (2017). An Empirical Analysis of Eco-Design of Electronic Products on Operational Performance: Does Environmental Performance Play Role as a Mediator? *International Journal of Business Innovation and Research*, vol. 14, issue 2, pp. 188-205.

Figueiredo, J & Mauro F.Guillén, M. (2012). Green Products: Perspectives on Innovation and Adoption. Boca Raton, FL, USA: CRC Press

Fiksel, J. (1996). Design for environment: Creating eco-efficient products and processes. New York: McGraw-Hill.

Filho, L.W., Brandli, L., Kuznetsova, O., & do Paço, A. M. F. (2014). *Integrative Approaches to Sustainable Development at University Level: Making the Links*. Springer.

Foerstl, K., Azadegan, A., Leppelt, T., & Hartmann, E. (2015). Drivers of Supplier Sustainability: Moving beyond compliance to commitment. *Journal of Supply Chain Management*, 51(1), pp. 67–92

Fornell, C., and Larcker, D. F. (1981). Evaluating Structural Equation Models with Unobservable Variables and Measurement Error. *Journal of Marketing Research (18:1)*, pp. 39-50.

Fraj, E., Martinez, E., Matute, J. (2011). Green Marketing Strategy and the Firms's Performance: The Moderating Role of Environment Culture. *Journal of Strategic Marketing*, Vol 19. Issue 4. pp. 339 -355

Francois F. Charvet. Khattab, S.A., Rumman, A.H.A., Massad, M.M. (2015). The Impact of the Green Supply Chain Management on Environmental-Based Marketing Performance. *Journal of Service Science and Management*, 8, 588-597. Published Online August 2015 in SciRes. http://www.scirp.org/journal/jssmhtt

Freeman, R.E. (1984). Strategic Management: *A Stakeholder Approach*. Pittman, Marshfield, M.A

G. C. Stevens. (1989). Integrating the Supply Chain. *International Journal of Physical Distribution and Materials Management*, vol. 19, no. 8, pp. 3–8.

Garson, G.D. (2016). *Partial Least Squares: Regression & Structural Equation Models*. Statistical Associates Blue Book Series.

Gavronski, I., Klassen, R. D., Vachon, S., & Nascimento, L. F. M. do. (2011). A resource-based view of green supply management. Transportation Research Part E*: Logistics and Transportation Review, 47(6), 872–885*. doi:10.1016/j.tre.2011.05.018

Geng, R., Mansouri, S.A., Aktas, E. (2017), The Relationship Between Green Supply Chain Management and Performance: A Meta-Analysis of Empirical Evidences in Asian Emerging Economies. *Int. J. Production Economics*.183 (2017) 245–258

Geisser, Seymour (1974), "A Predictive Approach to the Random Effects Model, *Biometrika*, 61 (1), 101–107.

Georgise, F.B., Thoben, K.D., and Seifert, M. (2014). Supply Chain Integration in the Manufacturing Firms in Developing Country: An Ethiopian Case Study. Hindawi Publishing Corporation. *Journal of Industrial Engineering*, Vol 2

Gefen, D., Straub, D.W., Boudreau, M.-C., (2000). Structural equation modeling and regression: guidelines for research practice. *Communications of the Association for Information Systems*, 4, 1-70.

Gerbing, D.W., Anderson, J.C., 1988. An Updated Paradigm for Scale Development Incorporating Unidimensionality and its assessment. *Journal of Marketing Research,* 25 (2), 186-192.

German-Indonesian Chamber of Industry and Commerce. (2016). Chemical Industry. EU-Indonesia Business Network. EIBN sector report. http://www.ekonid.or.id . www.eibn.org

G. Flammer, (2013). Corporate Social Responsibility and Shareholder Reaction: The Environmental Awareness of Investors. *Academy of Management Journal*, 56, pp. 758-781.

Gimenez, C. – Sierra, V. – Rodon, J. (2012). Sustainable Operations: Their Impact on the Triple Bottom Line. *International Journal of Production Economics*, Vol. 140 (1), pp. 149–159.

Giuntini, R & Andel, T. (1995). Reverse logistics role models: part 3. *Transport and distribution*, 36 (4). pp. 97-8

Ginsberg, J.M., & Bloom, P.N. (2004). Choosing the right green marketing strategy. MIT Sloan Management Review, 46(1), 79 – 84.

Gnoni, M.G., Elia, V., Lettera, G., 2011. A strategic quantitative approach for sustainable energy production from biomass. *International Journal of Sustainable Engineering 4 (2), 127- 135*

Golicic, S. L., & Smith, C. D. (2013). A Meta-Analysis of Environmentally Sustainable Supply Chain The Supply Chain Position Paradox . January 2017 Volume 53, Number 1 management practices and firm performance. Journal of Supply Chain

Gonzalez, F.M., Avila, L.F.G., Solomon, V.A., Gomez, J.M., Hernandez, C.T. (2016). Sustainability Performance Measurement with Analytic Network Process and Balance Scorecard: Cuban Practical Case. *Production*, 26(3), pp. 527-539.

Gopalakrishnan MS, Muruganandam D. A (2013). Micro analysis on Dissect of Consumer's to Procure Green Products. *Life Science Journal*. 2013; 10(2).

Gordon, R., Carrigan, M., and Hastings, G. (2011).A Framework for Sustainable Marketing. *Sage Journals* Vol 11 issue: 2, page(s): pp. 143-163

Gotz, O., Liehr-Gobbers, K., and Kraft, M. (2010). Evaluation of structural equation models using the partial least squares (PLS) approach in V.e. et al (Ed), Handbook of partial least squares: concepts, methods and applications. Pp. 691-712. Berlin: Springer

Govindan, K., J. Sarkis, C. J. C. Jabbour, Q. Zhu, and Y. Geng. (2014). Eco-efficiency Based Green Supply Chain Management: Current Status and Opportunities. *European Journal of Operational Research,* 233 (2): 293–298.

Govindan (a), K., Soleiman, H. and Kannan, D. (2015). Reverse logistics and closed– loop supply chain: A comprehensive review to explore the future. *European Journal of Operational Research*, Vol. 240, No. 3, pp. 603-626.

Govindan (b), K., Khodaverdi, R. and Vafadarnikjoo,A (2015). Intuitionistic Fuzzy Based DEMATEL Method for Developing Green Practices and Performances in a Green Supply Chain. *Expert System with Applications*, Vl. 42, No. 20, pp.7207 – 7220.

Govindan (c), K., Rajendran, S., Sarkis, J. and Murugesan, P. (2015). Multi Criteria Decision Making Approaches for Green Supplier Evaluation and Selection: A Literature Review. *Journal of Cleaner Production*, Vol 98, pp. 66-83.

Govindan (d), K., Soleimani, H. and Kannan, D. (2015). Reverse Logistics and Closed-loop supply chain: A comprehensive review to explore the future. *European Journal of Operation Research*, Vol. 240, No. 3, pp. 603 – 626.

Goyal, M (2013). Future Outlook of Green Management Practices. *IOSR Journal of Business and Management* (IOSR-JBM), Vol 14, Issue 6, pp. 68-72

Grant, J. (2007). *Green Marketing Manifesto*. John Wiley & Sons, Ltd

Green Jr K. W., Whitten, D., & Inman, R. A. (2012a). Aligning marketing strategies throughout the supply chain to enhance performance. USA: *Industrial Marketing Management*, 41(6), pp. 1008-1018.

Green, K., Zelbst, P., Meacham, J. and Bhadauria, V. (2012). Green Supply Chain Management Practices: Impact on Performance. *Supply Chain Management International Journal*, Vol. 17 Iss. 3, pp. 290 - 305.

Gualandris, J., & Kalchschmidt, M. (2014). Customer Pressure and Innovativeness: Their Role in Sustainable Supply Chain Management. *Journal of Purchasing and Supply Management*, 20(2), pp. 92-103

Gualandris,J., Klassen, R.D., Vachon, S., & Kalchschmidt, M. (2015). Sustainable Evaluation and Verification in Supply Chains: Aligning and Leveraging Accountability to Stakeholders. *Journal of Operation Management*, 38, pp. 1-13

Guerrero-Baena, MD; Gomez-Limon, JA; Fruet, JF (2015). A multi-criteria method for environmental management system selection: an intellectual capital approach. *J. Clean. Prod*. 105. pp. 428-437.

Guinot, C., Latreille, J., & Tenenhaus,M.(2001). PLS Path modelling and multiple table analysis. Application to the cosmetic habits of women in Ile-de-France. *Chemometrics and Intelligent Laboratory Systems*, 58. pp. 247–259

Hadiguna, R.A., (2016). Manajemen Rantai Pasok Agroindustri: Pendekatan Berkelanjutan untuk Pengukuran Kinerja dan Penilaian Risiko. Andalas University Press.

Hair, J.F., Ringle, C.M., Sarstedt, M., (2011). PLS-SEM: indeed a silver bullet. *Journal of Marketing Theory & Practice,* 19 (2), pp. 139-152.

Hair, J. F., Ringle, C. M., & Sarstedt, M. (2013). Editorial Partial Least Squares Structural Equation Modeling: Rigorous Applications, Better Results and Higher Acceptance. Long Range Planning, 46(1-2), 1-12.

Hair, J. F., Hult, G. T. M., Ringle, C. M., & Sarstedt, M. (2014). *A primer on partial least squares structural equation modeling (PLS-SEM)*. Thousand Oaks, Califonia: Sage Publications.

Hair, J. F., Hult, G. T. M., Ringle, C., & Sarstedt, M. (2016). *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*. 2nd Edition. New York: SAGE Publications.

Hair, J. F., Hult, G. T. M., Ringle, C. M., & Sarstedt, M. (2017). *A primer on partial least squares structural equation modeling (PLS-SEM)*. Second Edition. Thousand Oaks, Califonia: Sage Publications.

Hair, J.F., Sarstedt, M., Ringle, CM., & Gudergan, S.P. (2018). *Advanced Issues in Partial Least Square Structual Equation Modeling (PLS-SEM)*. Thousand Oaks, CA: Sage.

Hajmohammad,S., Vachon, S,. (2016). Mitigation, Avidance, or Acceptance? Managing Supplier Sustainability Risk. *Journal of Supply Chain Management*, Vol. 52 (2), pp. 48-65

Hall, J. (2000), Environmental supply chain dynamics *Journal of Cleaner Production*, Vol. 8 No. 6, 206-225

Halldórsson , Á., Hsuan, J., & Kotzab, H. (2015). Complementary theories to supply chain management revisited – from borrowing theories to theorizing. Supply Chain Management: An International Journal, 20(6), 574–586. doi:10.1108/scm-06-2015-0228

Hammer, J and Pivo, G. (2016). The Triple Bottom Line and Sustainable Economic Development Theory and Practice. *Economic Development Quarterly*, 1–12.sagepub.com/journalsPermissions.

Henseler, J., Ringle, C.M., Sinkovics, R.R. (2009). The use of partial least squares path modeling in international marketing. In: Sinkovics, R.R., Ghauri, P.N. (Eds.), *Advances in International Marketing*. 20. pp. 277-320. Emerald, Bingley

Henseler, J., Sarstedt, M., (2013). *On the goodness-of-fit-index of partial least squares path Modeling Computational Statistics.* Forthcoming (online available).

Henseler, J., Ringle, C.M. and Sarstedt, M. (2015), A new criterion for assessing discriminant validity in variance-based structural equation modeling, *Journal of the Academy of Marketing Science*, Vol. 43 No. 1, pp. 115-135.

Harrison, V. (2011). *Logistic Management and Strategy: Competing through the Supply Chain*. Prentice Hall, London.

Hasan, Z. and Ali, N.A. (2015). The impact of green marketing strategy on the firm's performance in Malaysia. *Procedia - Social and Behavioral Sciences*, 172. pp 463 – 470

Hasan, Z and Ali, N.A., (2017). Modelling the Relationship Between Green Marketing Strategies and Performance Outcomes for Business Sustainability. *Global Conference on Business and Economics Research (GCBER)*. 14-15 August 2017, Universiti Putra Malaysia, Malaysia Available online at August 14-15, UPM, Malaysia

Hart, S. L. (1995) A natural-resource-based view of the firm. *The Academy of Management Review*, Vol. 20 (4), pp. 986–1014.

Hashem, T.N & Rifai, N. A. A (2011). The Influence of Applying Green Marketing Mix by Chemical Industries Companies in Three Arab States in West Asia on Consumer's Mental Image. *International Journal of Business and Social Science*, Vol. 2 No. 3 (Special Issue - January 2011).

Hair, J.F., Black, W.C., Babin, B.J., & Anderson, R.E. (2010). Multivariate Data Analysis. Seventh Edition. Prentice Hall, Upper Saddle River, New Jersey.

Hair, J., Black, W., Babin, B., & Anderson, R. (2013). *Multivariate Data Analysis*. Pearson Education Limited.

Hair, J.F., Tomas, M Jr. G., Christian, M. H., Sarstedt, R.M.(2014). *Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*. Sage.

Hair, J. F. Jr., Hult, G.T.M., Ringle, C., Sarstedt, M. (2016), *A Primer on Partial Least Squares Structural Equation Modelling (PLS-SEM)*. Thousand Oaks, CA: Sage Publications.

Hair, Jr. J.F., Hult,G.T.M, Ringle, C.M., Sarstedt,M. (2017). *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*. Second Edition. Sage.

Hair J. F., Ringle, C. M., & Sarstedt, M. (2011). PLS-SEM: Indeed, a silver bullet. *Journal of Marketing theory and Practice*, 19(2), pp. 139-152.

Hair, J. F., Sarstedt, M., Ringle, C. M., & Gudergan, S. P. (2018). *Advanced Issues in Partial Least Squares Structural Equation Modeling (PLS-SEM)*. Thousand Oaks, CA: Sage.

Hayat, K., Jan, S., Ali. F., Nadeem, A & Raza, W. (2019). Impact of Green ' Marketing Mix (4Ps) on Firm Performance: Insights from Industrial Sector Peshawar, Pakistan. *Sarhad Journal of Management Sciences.* Vol 5 no 1. 143-156

Hayes, Andrew F. (2013). *Introduction to mediation, moderation, and conditional process analysis : a regression-based approach*. The Guilford. New York.

Hayes, A. F. (2015). An index and test of linear moderated mediation. *Multivariate Behavioral Research,* 50, pp. 1-22.

Hayes, A. F. (2018). *Introduction to Mediation, Moderation, and Conditional Process Analysis. A Regression-Based Approach*. Second Edition. The Guilford Press. New York. pp. 1-50

Hayami, H., Nakamura, M., & Nakamura, A.O. (2015). Economic performance and supply chains: The impact of upstream firms waste output on downstream firms' performance in Japan. *International Journal of Production Eonomics*, 160. pp. 47-65

Hefny, H.A., Elsayed, H.M., Aly, H.F. (2013). Fuzzy Multi-Criteria Decision Making Model for Different Scenarios of Electrical Power Generation in Egypt. *Egyptian Informatics Journal*.

Henriques, A., & Richardson, J. (2013). *The triple bottom line: Does it all add up*. Routledge

Hervani, A. A., Helms, M. M., & Sarkis, J. (2005). Performance measurement for green supply chain management. Benchmarking: *An International Journal*, 12(4), pp. 330- 353.

Hersh, A, M, A & Aburoub, A. S. (2015). The Impact of Application Green Marketing Criteria on the Marketing Performance. *Global Journal of Management and Business Research: E Marketing,*Vol 15 Issue 2 Version 1.0 . pp 35-44.

Hirsch, P.M. (1975). Organizational effectiveness and the institutional environment. *Adm. Sci. Q.*, 20 (3) (1975), pp. 327-344

H'Mida, S., Lakhal, S.Y., 2007. A model for assessing the greenness effort in a product supply chain. International Journal of Global Environmental Issues 7 (1), 4-24

Hoejmose, S. U. – Grosvold, J. – Millington, A. (2014). The Effect of Institutional Pressure on Cooperative and Coercive 'Green' Supply Chain Practices. *Journal of Purchasing and Supply Management*, Vol. 20 (4), pp. 215–224.

Hofstrand, D. (2018). *Marketing Strategies.Ag. Decision Maker*. Iowa state university-extension and outreach. file C5-18. August.

Hose, E.M (2015). *Impact of Supply Chain Integration Strategies on Performance of Pork Processing Industry in Rwanda (Case of German Butchery in Kigali)*. Jomo Kenyatta University of Agriculture and Technology. Research Project Mater's Degree of Business Administration

Hsu, C., Tan, K.C., Zailani, S.H.M. and Jayaraman, V. (2013). Supply Chain Drivers that Foster the Development of Green Initiatives in an Emerging Economy, International Journal of Operations & Production Management, Vol. 33 No. 6, pp. 656-688

Huang, Y.-C., Jim Wu, Y.-C., Rahman, S., (2012). The Task Environment, Resource Commitment and Reverse Logistics Performance: Evidence from the Taiwanese High- Tech Sector. *Prod. Plan. Control,* 23 (10–11), pp. 851–863.

Huang, M.C., Yen, G.F.., & Liu, C. (2014). Reexamining supply chain integration and the suppliers' performance relationships under uncertainty. *Supply chain management International Journal*, 19 (1), pp. 64-78

Hussain, M K & Keshav S. (2018). Petrochemical Industry in India: Determinants, Challenges and Opportunities. *Progress Petrochem Sci*. 1(2). PPS.000510.

Idar, R. & Mahmood, R. (2011). Entrepreneurial and market orientation relationships to performance: The SME perspective. Interdisciplinary Review of Economics and Management, 1(2), 1-8.

Igarashi, M., de Boer, L. and Fet, A.M. (2013), What is Required for Greener Supplier Selection? A literature review and conceptual model development. *Journal of Purchasing and Supply Management*, Vol 19, No. 4, pp. 247 – 263.

Indonesia Development Regulation no 14, (2015)

Indonesia's Industry Ministry law no 51/M-Ind/PER/6/2015, (2015)

Indonesia's Industry Ministry law no 3/2014 on Industrial Affairs, (2014). Article 1, number 3 – Green Industry Policy Law no 3, 2014.

Indonesia Investment Coordinating Board . (2014).

Indonesia Ministry of Industry report, (2014)

Indonesia Ministry of Industry report, (2015)

Indonesia Ministerial Decree No 6/2013, (2013)

Indorama. (2017). Indorama ventures annual report. Indorama ventures public company limited.

Islam, S., Karia, N., Fauzi, F.B.A and Soliman, M.S.M. (2017), "A review on green supply chain aspects and practices", Management and Marketing. *Challenges for the Knowledge Society*, Vol. 12, No. 1, pp. 12-36.

Jabbour, C.J.C and Jabbour, A.B.D.S (2016). Green Human Resource Management and Green Supply Chain Management: Linking Two Emerging Agendas. *Journal of Cleaner Productio*n, 112. Elsevier.

Jabbour, A.B.L.D.S., Vazquez-Brust, D., Jabbour, C.J.C, & Latan, H. (2017). Green supply chain practices and environmental performance in Brazil: Survey, case studies, and implications for B2B. Industrial Marketing Management, 66, 13–28.doi:10.1016/j.indmarman.2017.05.003

Jain, J.K., Dangayach, G.S. & Agarwal, G. (2011). Evidence of Supply Chain Management in Indian manufacturing firms: a survey. International Journal of Management Science and Engineering Management, 6(3): 198–209

Jimenez, J. B., & Lorente, J. J. C. (2001). Environmental performance as an operations objective. *International Journal of Operations & Production Management* , 21(12), 1553-1572. http://dx.doi.org/10.1108/01443570110410900.

Jakarta Globe. (2017). Indonesia's Industry Ministry Prepares Green Industry Standard. https://jakartaglobe.id/context/indonesias-industry-ministry-prepares-green-industry-standard

Jakfar, A., Zulfikarijah, F., Masudin., I. (2015). The Application of Green Supply Chain Management in Electronic Industry Indonesia: A Literature Review. *Proceeding*, 8. pp. 6 – 11. International Seminar on Industrial Engineering and Management.

Jarvis, C.B., MacKenzie, S.B., Podsakoff, P.M., 2003. A critical review of construct indicators and measurement model misspecification in marketing and consumer research. *Journal of Consumer Research*, 30 (2), pp. 199-218.

JH. Dyer, H Singh. (1998). The Rational View: Cooperative Strategy and Sources of Inter-Organizational Competitive Advantage. *Academy of Management Review*, pp. 660-679.

Jia, Peng & Diabat, Ali & Mathiyazhagan, K., (2015). "Analyzing the SSCM practices in the mining and mineral industry by ISM approach," Resources Policy, Elsevier, vol. 46(P1), p. 76-85. DOI: 10.1016/j.resourpol.2014.04.004

Joshi, Y and Rahman, Z. (2015). Factors Affecting Green Purchase Behaviour and Future Research Directions. *International Strategic Management Review*, 3, 128–143. pp.128-143. doi:10.1016/j.ism.2015.04.001

Jr, K. W. Green, P. J. Zelbst, J. Meacham, V. S. Bhadauria (2012). Green Supply Chain Management Practices: Impact on Performance Supply Chain Management. *An International Journal*, 17(2012). pp. 290-305

Kaminski, A. (2015). Integrated approach of environmental issues in industrial complex treated as complicated operated machine. *Journal of KONES*, 22(2), pp. 110–114.

Kearney, A.T. (2010). Environmentally sustainable GCC petrochemicals : Gateway to growth or just a mirage? GPCA (Gulf Petrochemical and Chemical Association). A.T. Kearney, Inc. USA.

Khastagir, D and Roy, M (2014). Environment Responsiveness of Petrochemical Organisation in India. *European Journal of Business and Management*. Vol.6, No.2.

Khaksar, E., Abbasnejad, T., Esmaeili, A. and Tamosaitiene, J. (2016). The Effect of Green Supply Chain Management Practice on Environmental Performance and Competitive Advantage: A Case Study of The Cement Industry. *Technological and Economic Development of Economy*, 22 (2), p.293-308.

Khaksar, E., Kahanaali, R.A., Tizroo, A., & Rad, F.B (2015). An analysis of the effective actions on green supply chain management using ISM method (Studying the petrochemical industry)., *J. Mater. Environ. Sci*. 6 (7). pp. 1987-1996.

Khalid, K., Hilman, H., and Kumar, D. (2012). Get Along With Quantitative Research Process. *International Journal of Research in Management*, 2 (2), pp. 15-29.

Khattab, S.A., Rumman, A.A., Massad, M.M. (2015). The Impact of the Green Supply Chain Management on Environmental-Based Marketing Performance. *Journal of Service Science and Management*, 8, pp. 588-597.

Kannan, G., Noorul Haq, A., Sasikumar, P. and Arunachalam, S. (2008), "*Analysis and selection of green suppliers using interpretative structural modelling and analytic hierarchy process*", *International Journal of Management and Decision Making*, Vol. 9 No. 2, pp. 163-82.

Khoirunissa, I., Napitupulu, W., Dwikorianto, T. (2015). Gold PROPER achievement of environmental and social management. *Proceeding*, World Geothermal Congress 2015. Melbourne, Australia.

Khor, K.S. and Udin, Z.M. (2013). Reverse logistics in Malaysia: Investigating the effect of green product design and resource commitment. Resources, Conservation and Recycling. 81, 71-80

Kirchoff, J.F., Tate. W.L., and Mollenkopf. D.A. (2016). The Impact of Strategic Organizational Orientations on Green Supply Chain Management and Firm Performance. *Emerald Insight*.www.emeraldinsight.com/0960-0035.htm

Kim, I. and Min, H. (2009). Measuring Supply Chain Efficiency from a Green Perspective. *Management Research Review*, 34, pp.1169-1189.

Kim, J.H., Youn, S., Roh, J.J., 2011. Green supply chain management orientation and firm performance: evidence from South Korea. International Journal of Services and Operations Management 8 (3), 283- 304

Kim, M and Chai, S. (2017*). Environmental Practices for Accomplishing Sustainable Green Supply Chain Management*. Ewha School of Business, Ewha Womans University, 52 Ewhayeodaegil, Seodaemungu, Seoul 03760, Korea

Kim, M., and Chai, S. (2017). Implementing Environmental Practice for Accomplishing Sustainable Green Supply Chain Management. *Sustainability*, 9, pp. 1192

Kirchoff, J. F., Tate, W. L., Mollenkopf, D. A., & Ellinger, A. (2016). The Impact of Strategic Organizational Orientations on Green Supply Chain Management and Firm Performance. *International Journal of Physical Distribution & Logistics Management*, 46(3), pp. 269–292.

Kenneth, W., Green, J., Zelbst, P.J., Bhadauria, V.S. and Meacham, J. (2012) Do Environmental Collaboration and Monitoring Enhance Organizational Performance. *Industrial Management & Data Systems*, 112, pp. 186-205.

Kock, N. and Lynn, G.S. (2012), Lateral collinearity and misleading results in variance-based SEM: an illustration and recommendations". *Journal of the Association for Information Systems*, Vol. 13 No. 7, pp. 546-580.

Kotler P. (2011). Reinventing Marketing to Manage the Environmental Imperative, *Journal of Marketing*. 2011; 75(4). pp. 132-135.

Kotler, P. and Armstrong, G. (2012). Principles of Marketing. 14 th edition. Pearson Prentice Hall

Kotler, P. & Keller, K.L. (2016). *Marketing Management*. Global Edition 15. Pearson. Page: 389-415

Kwong, K., Wong, K. (2013). Partial Least Squares Structural Equation Modeling (PLS- SEM) Techniques Using Smart PLS. *Marketing Bulletin*, 24, Technical Note 1

Kuei, C., Chow, W.S., Madu, C.N., Wu, J.P. (2013). Identifying Critical Enablers To High Performance Environmental Management: An Empirical Study of Chinese Firms. *J. Environ. Plan. Management*, 56 (98), pp.1152-1179

KPMG Asia Pacific Report. (2014). *Asia Pacific's Petrochemical Industry: A Tale of Contrasting Regions*. KPMG Global Energy Institute. KPMG Services Pte. Ltd.

Kueng, P., Meier, A., and Wettstein, T. (2001). "Performance Measurement System Must be Engineered". *Communications of the Association for Information Systems*, Vol.7. Article 3.

Kumar, V., Rahman, Z., and Kazmi, A. A. (2013). Sustainability Marketing Strategy: An Analysis of Recent Literature. *Global Business Review*, 14(4) 601–625. SAGE Publications.

Kumar, D., Rahman, Z. (2015). *Sustainability Adoption Through Buyer Supplier Relationship Across Supply Chain: A Literature Review and Conceptual Framework U.S*. Department of Energy. Global, regional, and national fossil-fuel CO2 emissions. Carbon Dioxide Information Analysis Center. Oak Ridge National Laboratory.

Kumar, V., Chibuzo, E.N., Reyes, J.A.G., Kumari, A., Lona, L.R. and Torrens, G.C.L (2017). The Impact of Supply Chain Integration on Performance: Evidence from the UK Food Sector. *Procedia Manufacturing,* 11 (2017) 814 – 821, 27th International Conference on Flexible Automation and Intelligent Manufacturing, FAIM2017, 27-30 June 2017, Modena, Italy

Kunroo, M.H. and K. Soni. (2018). "Petrochemical Industry in India: Determinants, Challenges and Opportunities." *Progress Petrochem Science.* vol. 1, no. 2, pp. 1-5.

Krungsri Research.Menichini, T., and Rosati, F. (2013). A managerial tool for environmental sustainability. *APCBEE Procedia,* 5, 551-556. Elsevier B.V.

Kuo, T., Hsu, C. and Li, J. (2015). Developing a green supplier selection model by using the DANP with VIKOR. *Sustainability*, 7, pp.1661-1689.

Laari (a), S., Sini, Toeyli, J., Solakivi, T., Ojala, L. (2015). Firm performance and customer-driven green supply chain management. *Journal of Cleaner Production Operations and Supply Chain Management*, Department of Marketing and International Business, Turku School of Economics, University of Turku, 2015 . Turku, Finland. Elsevier Ltd.

Laari (b), S., Eyli, J.T., Solakivi, T., (2015). Firm Performance and Customer-Driven Green Supply Chain Management. *Journal of Cleaner Production*

Laari, S (2016). Green Supply Chain Management Practices and Firm Performance: Evidence from Finland.

Lai, K.H., Wong, C.W.Y., Cheng, T.C. E., (2006). Institutional Isomorphism and The Adoption of Information Technology for Supply Chain Management. *Computers in Industry*, 57 (1), pp. 93–98.

Lai, K., Wong,C,.W.Y. (2012). Green Logistics Management and Performance: Some Empirical Evidence from Chinese Manufacturing Exporters. *Omega*, Vol 40 (3), pp. 267-282

Lai, K., Wu, S.J., Wong, C.W.Y., (2013). Did reverse logistics practices hit the triple bottom line of Chinese manufacturers? *Int. J. Prod. Econ.* 146 (1), 106–117.

Lamb, C.W., Hair, J.F.Jr., McDaniel, C. (2013). Marketing. Mike Schenk publisher. South Western. *Chengage Learning*. pp. 226.

Lambert, D.M. and Cooper, M.C. (2000), "*Issues in supply chain management", Industrial Marketing Management*, Vol. 29 No. 1, pp. 65-83.

Lakhal, S.Y., H'Mida, S., Islam, M.R., 2007. Green supply chain parameters for a Canadian petroleum refinery company. International Journal of Environmental Technology and Management 7 (1-2), 56- 67

Laosirihongthong, T., Adebanjo, D., Tan, K.C., (2013). Green Supply Chain Management Practices and Performance. Industrial Management. *Data System*, 113 (8), pp. 1088–1109.

Lau, K.H., 2011. Benchmarking green logistics performance with a composite index. Benchmarking: An International Journal 18 (6), 873 - 896.

Lee, S.Y., 2008. Drivers for the participation of small and medium-sized suppliers in green supply chain initiatives. *International Journal Supply Chain Manag.:* 13 (3), 185–198.

Lee, S. Kim, S.T. and Choi, D. (2012). Green Supply Chain Management and Organizational Performance. *Industrial Management & Data Systems*, 112, pp. 1148-1180.

Lee, S.M., Rha, J.S., Choi, D., Noh, Y., (2013). Pressures Affecting Green Supply Chain Performance. *Manag. Decis*. 51 (8), pp. 14.

Lee, C. K. M. and Lam, J. S. L (2012). Managing Reverse Logistics to Enhance Sustainability of Industrial Marketing. *Industrial Marketing Management* 41. pp. 589-598.

Lee, S.-Y., Klassen, R.D., 2008. Drivers and enablers that foster environmental management capabilities in small- and medium-sized suppliers in supply chains. *Production and Operations Management* 17 (6), 573 - 586.

Leingchan, R., (2017). *Petrochemical Industry*. Thailand Industry Outlook 2017-19. April 2017 edition.

Leonidou, CN, Katsikeas, CS and Morgan, NA. (2013). Greening the Marketing Mix: Do Firms Do It and Does It Pay Off? *Journal of The Academy of Marketing Science*, 41 (2). pp. 151- 170.

Leonidou, L. C., Fotiadis, T. A., Christodoulides, P., Spyropoulou, S., & Katsikeas, C. S. (2015). *Environmentally friendly export business strategy: Its determinants and effects on competitive advantage and performance. International Business Review, 24(5), 798–811.* doi:10.1016/j.ibusrev.2015.02.001

Leuschner, R and Rogers. D.S. (2013). *A Meta-Analysis of Supply Chain Integration and Firm Performance*. Rutgers University.

Leuschner, R., Rogers, D., Charvet, F. (2013). A Meta-Analysis of Supply Chain Integration and Firm Performance. *Journal Supply Chain Management*. Vol 49. No. 2, pp. 34–57.

Li, S., Ragu-Nathan, B., Ragu-Nathan, T.S. and Rao, S.S. (2006), "The impact of supply chain management practices on competitive advantage and organizational performance". Omega, Vol. 32, pp. 107-24.

Liu, X., Wang, C., Shishime, T., and Fujitsuka, T. (2012). Sustainable Consumption: Green Purchasing Behaviours of Urban Residents Chine. *Sustainable Development,* 20 (4), pp. 293 – 308.

Lohmoeller, J.-B., 1989. *Latent Variables Path Modelling with Partial Least Squares*. Physica-Verlag, Heidelberg, Germany.

Lockhart LL. (2012). *Nonlinear Mediation in Clustered Data: A Nonlinear Multilevel Mediation Model*. Univ. Texas, Austin. PhD Thesis

Lotfi Z., Sahran S., Mukhtar M.(2013). A Product Quality - Supply Chain Integration Framework. *Journal of Applied Sciences*, 13: pp. 36-48.

Lotte Chemical Annual Report (2016). PT Lotte Chemical Titan, Tbk.

Lo, S. (2014). Effects of Supply Chain Position on the Motivation and Practices of Firms Going Green. *International Journal of Operations & Production Management*, Vol.34, No. 1, pp. 93- 114.

Luthra, S., Garg, D., & Haleem, A. (2014). Green supply chain management: Implementation and performance – a literature review and some issues. *Journal of advances in management research*, 11 (1). pp. 20-46

MacKinnon, D. P., Coxe, S., & Baraldi, A. N. (2012). Guidelines for the Investigation of Mediating Variables in Business Research. *Journal of Business and Psychology*, 27(1), pp.1-14.

Mahmoud, T.O., Ibrahim, S.B., Ali, A.H., Bleady, A., (2017). The Influence of Green Marketing Mix on Purchase Intention: The Mediation Role of Environmental Knowledge. *International Journal of Scientific & Engineering Research*, Volume 8, Issue 9.

Maiga, A.S, Nilsson, A., Ax, C. (2015). Relationships between internal and external information systems integration, cost and quality performance and firm profitability. *International Journal of Production Economics*, Elsevier, vol 169 ( C ), pp. 422-434

Malviya, R.K. and Kant, R (2015). Green supply chain management (GSCM): A Structured Literature Review and Research Implication. *Benchmarking: An International Journal*, Vol 22 no 7, pp. 1360 – 1394.

Martin, D., & Schouten, J. (2012). *Sustainable marketing*. Upper Saddle River, NJ: Prentice Hall/ Pearson.

Matos, S., & Hall, J. (2007). Integrating sustainable development in the supply chain: the case of life cycle assessment in oil and gas and agricultural biotechnology. *Journal of Operations Management 2*, 1083 – 1102

Mathiyazhagan K, Govindan K, Noorul Haq A, Yong Geng. An ISM approach for the barrier analysis in implementing green supply chain management. Journal of Cleaner Production 2013;47:283–97.

Mathiyazhagan, K., Govindan, K., & Noorul Haq, A. (2014). Pressure analysis for green supply chain management implementation in Indian industries using analytic hierarchy process. *International Journal of Production Research*, 52(1), pp. 188-202.

Mathiyazhagan, K., Diabat, A., Al-Refaie, A., & Xu, L. (2015). Application of analytical hierarchy process to evaluate pressures to implement green supply chain management. Journal of Cleaner Production, 107, 229–236. doi:10.1016/j.jclepro.2015.04.110

Matopoulos, A., Barros, A.C & Vorst JGAJ.V.D. (2015). Resource-efficient supply chains: a research framework, literature review and research agenda. *Supply chain management: An International Journal,* 20 (2), pp. 218-236.

Mehrabi, J., Gharakhani,D., Jalalifar, S and Rahmati, H. (2012). Barriers to Green Supply Chain Management in the Petrochemical Sector. Life Science Journal 2012;9(4) http://www.lifesciencesite.com

Melnyk, S.A., Sroufe, R.P., Calantone, R. (2003), Assessing the impact of environmental management systems on corporate and environmental performance. *Journal of Operations Management*, 21(3), 329-351

Memon, M. A., Ting, H., Ramayyah, T., Chuah, F., & Cheah, J.-H. (2017). A Review of the Methodological Misconceptions and Guidelines Related to the Application of Structural equation modeling: A Malaysian scenario. *Journal of Applied Structural Equation Modeling*, 1(1), pp. 1–13

M. Hasan. (2013). Sustainable Supply Chain Management Practices and Operational Performance. *American Journal of Industrial and Business Management*, 3, pp. 42-48.

Milstein, M. B. – Hart, S. L. – York, A. S. (2002). Coercion Breeds Variation: The Differential Impact of Isomorphic Pressures on Environmental Strategies. In: Organizations, policy and the natural environment, ed. by A. J. Hoffman – M. *J. Ventresca*, 151–172. California: Stanford University Press.

Min, H. and Galle, W. (2001), "Green purchasing practices of US firms", *International Journal of Operations and Production Management*, Vol. 21 No. 9, pp. 1222-1238.

Mitra, S., & Dattaa, P.P. (2014). Adoption of Green Supply Chain Management Practices and Their Impact on Performance: An Exploratory Study of Indian Manufacturing Firms. *International Journal of Production Research*, 52(7), pp. 2085-2107

Ming-Kuei, C. (2014). Influences of Green Supply Chain Management Practices on Organizational Sustainable Performance. *International Journal of Environmental Monitoring and Protection*, 1 (1)

Ministry of Environment and Forests Statistic Report. (2017). Laporan Kinerja. Dinas lingkungan hidup dan kehutanan provinsi Banten tahun anggaran 2017. Banten.

Ministry of Industry (2018). Statistik ekspor impor industri Indonesia. https://www.kemenperin.go.id/statistik/exim.php

Naude M. J. & J.A. Badenhorst-Weiss. (2011). Supply Chain Management Problems at South African Automotive Component Manufacturers. *Southern African Business Review*, Vol. 15. No 1. pp. 70-99.

Mohanty, R.P., Prakash, A., 2013. Green supply chain management practices in India: an empirical study. *Prod. Plan. Control* 25 (16), 1322–1337.

Moharamned, N., Aghajani, M., Atabi, F., & Azarkamand. (2013). Petrochemical Supply Chain's Share in Emission of Green House Gases, Case Study: Shazand Petrochemical Complex. *American Journal of Environmental Science,* 9 (4): pp. 334-342.

Morana, J. (2013). *Sustainable Supply Chain Management*. ISTE Ltd and John Wiley & Sons, inc

Mose, E.M. (2015). Impact of Supply Chain Integration Strategies on Performance of Pork Processing Industry in Rwanda (Case of German Butchery in Kigali). Masters thesis. Business Administration of Jomo Kenyatta University of Agriculture and Technology. Published by European Centre for Research Training and Development UK

Mostert, W., Niemann,W., and Kotze, T. (2017). Supply Chain Integration in the Product Return Process: A Study of Consumer Electronics Retailers. *Acta Commercii*, vol. 17, no. 1.

Muduli, K., Govindan, K., Barve, A., Kannan, D., & Geng, Y. (2013a). Role of behavioural factors in green supply chain management implementation in Indian mining industries. *Resources, Conservation and Recycling*, 76, pp. 50-60

Muduli, K., K. Govindan, A. Barve, and Y. Geng. (2013). Barriers to Green Supply Chain Management in Indian Mining Industries: A Graph Theoretic Approach. *Journal of Cleaner Production*, 47: pp. 335–344.

Muller, D., Judd, C. M., & Yzerbyt, V. Y. (2005). When mediation is moderated and moderation is mediated. *Journal of Personality and Social Psychology*, 89, pp. 852–863.

Muma, B., Nyaoga, R., Matwere, R. and Nyambega, E. (2014). Green Supply Chain Management and Environmental Performance among Tea Processing Firms in Kericho County- Kenya. *International Journal of Economics, Finance and Management Sciences*, 2(5), pp. 270-276

Murray, M. (2012). *Green Supply Chain Education*. Retrieved from: http://logistics.about.com/od/greensupplychain/a/Green_Education.

Mwaura, A.W and Letting, N (2016). Green Distribution Practices and Competitiveness of Food Manufacturing Firms in Kenya. *International Journal of Business and Social Science*, Vol. 7, No. 7.

Nikbakhsh, E. (2009). *Green supply chain management*. Book chapter in Contributions in Management Science, pp. 195-220, Springer.

Nderitu, M. and Ngugi, K. (2014). Effects of Green Procurement Practices on an Organization Performance in Manufacturing Industry: Case Study of East African Breweries Limited. *European Journal of Business Management*, Vol 2 (1), pp. 341-352.

Neuman, W.L. (2009). Social research methods: Qualitative and quantitative approaches (7th ed.). Boston, MA: Pearson/Allyn & Bacon

Nexant, February 2016 in Chemical Industry Report March (2017). *PT. Chandra Asri Petrochemical Tbk.* Agenda: Updates on FY-2016 Performance March 2017. Analyst Meeting - FY2016 Performance Presentation

Nexant. (2018). Markets and profitability: market analytics olefin feedstock 2018. Nexant inc.

Ngo, H. V., Kumar, V., Kumari, A., Garza-Reyes, J. A. & Akkaranggoon, S. (2016), The Role of Supply Chain Integration in Achieving Competitive advantage: A study of UK Automobile Manufacturers. *FAIM* , June 27-30, Seoul, Republic of Korea

Noonan, R., Wold, H., 1983. Evaluating school systems using partial least squares. *Evaluation in Education 7*, pp. 219-364.

Nordin, N., Deros, B.Md., & Wahab, D.A. (2016). A survey on lean manufacturing implementation in Malaysian automotive industry. *International Journal of Innovation, Management and Technology*, Vol. 1, No. 4, 374 – 380. October 2010 ISSN: 20

Nunnally, J. C., & Bernstein, I. H. (1994) *Psychometric theory (3rd ed.)*. New York, NY: McGraw-Hill, Inc.

Nylund, S. (2012). *Reverse Logistics and Green Logistics*. Vaasan Ammattikorkeakoulu Vasa Yrkeshogskola University of Applied Sciences. Master's thesis, (2012). Retrieved from: https://publications.theseus.fi/bitstream/handle/10024/46993/ Reverse% 20Logistics%20and%20green%20logistics.pdf?

O. Bali, E. Kose, S. Gumus, (2013). Green Supplier Selection Based on IFS and GRA. *Grey Systems: Theory and Application*, 3. pp. 158-176

Ojo, E.M,. (2016). *Assessment of Green Supply Chain Management in South African and Nigerian Construction Firms*. University of Johannesburg. Ph.D. Thesis in Engineering Management.

Oliveira, L. R., Medeiros, R. M., Bragança-Terra, P., & Gonçalves- Quelhas, O. L. (2012). Sustainability: the evolution of concepts to implementation as strategy in organizations. *Production*, 22(1), pp. 70-82.

Olugu, E.U., Wong, K.Y., & Shaharoun, A.M. (2010). A comprehensive approach in assessing the performance of an automobile closed-loop supply chain. *Sustainability*, 2. pp. 871-889.

Orbis Research (2017). *Indonesian Packaging Market Overview, Growth in use of Pack Material by Sector, Analysis, Trends, Future Outlook & Industry across 20 Countries*.Press release from: Orbis Research 19 June 2017. www.orbisresearch.com. Orbis Research (orbisresearch.com), Advertising, Media Consulting, Marketing Research

Pagell, M., D. Johnston, A. Veltri, R. Klassen, and M. Biehl. (2013). "Is Safe Production an Oxymoron?". *Production and Operations Management,* 23 (7). pp. 1161–1175.

Pagell, M., & Shevchenko, A. (2014). Why research in sustainable supply chain management should have no future. *Journal of Supply Chain Management*, 50(1), pp. 44–55.

Peattie, K., & Crane, A. (2005). Green marketing: legend, myth, farce or prophesy? Qualitative Market Research: An International Journal, 8(4), 357–370. doi:10.1108/13522750510619733

Paulraj, A., Chen, I. J., & Blome, C. (2015). Motives and Performance Outcomes of Sustainable Supply Chain Management Practices: A Multi-Theoretical Perspective. *Journal of Business Ethics*.

Peattie, K. (1999). Trappings versus substance in the greening of marketing planning. *Journal of Strategic Marketing*,Vol 7, Issue 2. pp. 131-148

Peng, Y.-S and Lin, S.-S., 2008. Local responsiveness pressure, subsidiary resources, green management adoption and subsidiary's performance: evidence from Taiwanese manufactures. J. Bus Ethics 79 (1–2), 199–212.

Peng, D. X., & Lai, F. (2012). Using partial least squares in operations management research: A practical guideline and summary of past research. *Journal of Operations Management*, 30, pp. 467–480.

Pfeffer, J., & Salancik, G. (1978). *The external control of organizations: A resource dependence perspective*. New York, NY: Harper & Row

Peter, W., Turnbull & Leek. S. (2013). *Business-to-Business Marketing: Organizational Buying Behaviour, Relationships and Networks.*

Peteraf, M. A. (1993). The cornerstones of competitive advantage: A Resource-Based view. *Strategic Management Journal*, 14, pp. 179–191.

Peteraf, M and Barney, J .(2003). , "Unraveling The Resource-Based Tangle", *Managerial and Decision Economics*, Vol. 24, 309-323.

Petrokimia Gresik Annual Report

Pietro, D.G. (2012). Do internal and external environmental management contribute to the triple bottom line? International Journal of Operations & Production Management 32 (3), 265 - 290

Podsakoff, P. M., MacKenzie, S. B., Lee, J.-Y., & Podsakoff, N. P. (2003). Common method biases in behavioral research: A critical review of the literature and recommended remedies. *Journal of Applied Psychology*, 88(5), pp. 879-903.

Polychem Annual Report (2018).

Polonsky, M.J. (1994), 'An Introduction to Green Marketing', Electronic Green Journal 1(2). https://escholarship.org/uc/item/49n325b7. eScholarship.org. the California Digital Library University of California

Polonsky, M.J and Mintu-Wimsatt, A. T (1995) . *Environmental marketing: strategies, practice, theory, and research*. Haworth Press. New York.

Polonsky, Michael (2011), Green marketing: *What Does the Future Hold? in Readings and Cases in Sustainable Marketing: a Strategic Approach to Social Responsibility*. Tilde University Press, Prahran, Vic., pp.245-256.

Porter, M. (1991). America Green Strategy. *Scientific American*, Vol. 264, pp. 168-168.

Pradeepa, J., Lee, S., & Nelson, P. (2012). Role of Supply Chain Mapping in Sustainable Supply Chain Management. Paper presented at the 2nd *International Conference on Management*, Holiday Villa Beach Resort & SPA, Langkawi Kedah, Malaysia.

Prakash, A. (2002). Green marketing, public policy and managerial strategies. Business Strategy and the Environment, 11, 285-297.

Prakash, C., & Barua, M. K. (2015). Integration of AHP-TOPSIS method for prioritizing the solutions of reverse logistics adoption to overcome its barriers under fuzzy environment. *Journal of Manufacturing Systems*.

Prasad, S & Htay, M.M. (2013). Balanced Scorecard: A Paradigm Measure Of Business Strategy And Firm Performance Asa Romeo Asa, Navneel. *International journal of Scientific and Technology Research,* Vol 2, Issue 4, April 2013.

Preacher, K. J., Rucker, D. D., & Hayes, A. F. (2007). Assessing moderated mediation hypotheses: Theory, methods, and prescriptions. *Multivariate Behavioral Research*, 42, pp. 185–227.

Preacher, K.J. (2014). Advances in Mediation Analysis: A Survey and Synthesis of New Developments. *Annual. Rev. Psychol*, 66:4.1–4.28. The Annual Review of Psychology is online at psych.annualreviews.org.

Rahmawati, R., Hadiwidjojo, D,. Noermijati, Solimun. (2014). Green Marketing Mix As Strategy to Improve Competitive Advantage in Real Estate Developer Companies. *International Journal Of Business And Management Invention*, Vol 3 Issue 11November. 2014. pp. 06-12

Rahman, T., Ali,S.M., Moktadir, Md.A & Sarpong, S.K. (2019): Evaluating barriers to implementing green supply chain management: An example from an emerging economy. *Production Planning & Control*, DOI: 10.1080/09537287.2019.1674939

Rahmayanti, D. dan Putri, U. (2011). Perancangan Model Pengukuran kinerja lean dan green rantai pasok semen secara terintegrasi. Jurnal Optimasi Sistem Industri, Vol. 10, No.2, Oktober 2011:135-144

Rahbar E & Wahid, A. N. (2011). Investigation of green marketing tools effect on consumers purchase behavior. *Bus Strateg Series*, 12(2): pp. 73-83.

Rahim, S.A., Fernando, Y., Saad, R (2016). Sustainable Green Supply Chain Management and Impact on Organizations. *Journal of Emerging Trends in Economics and Management Sciences (JETEMS),* 7(3): pp. 147-155.

Rajesh, R., Pugazhendhi, S., Ganesh, K., Muralidharan, C.,Sathiamoorthy, R. (2011). Influence of 3PL Service Offerings on Client Performance in India. *Transportation Research Part E: Logistics and Transportation Review*, Vol. 47 (2), pp. 149–165

Rajala, R.R., Westerlund, M and Lampikoski, T., 2015. Environmental sustainability in industrial manufacturing: re-examining the greening of Interface's business model. *Journal of Cleaner Production,* 115. Elsevier Ltd.

Ramayah,T. (2014). *Smart PLS2*. University Sains Malaysia. Penang.

Ramayah,T., Yeap, J.A.L., Ahmad, N.H., Halim, H.A & Rahman,S.A. (2017). Testing a Confirmatory model of Facebook Usage in SmartPLS using Consistent PLS. *International Journal of Business and Innovation,* 3 (2). pp. 01-14 2017.

Ramayah, T., Cheah, J., Chuah, F., Ting, H., Memon, M.A. (2018). *Partial Least Squares Structural Equation Modeling (PLS-SEM) using smartPLS 3.0. An Updated and Practical Guide to Statistical Analysis*. Second Edition. Pearson.

Rambu Energy., News and Communities, 2014. Retrieved from: https://www.rambuenergy.com/2014/03/the-revival-of-indonesias-petrochemical-industry/

Ramik, J. A. (2007). A Decision System Using ANP and Fuzzy Inputs. *Int. J. Innov. Comput*, 3(4): pp. 825 – 837.

Rath, R.C. (2013). An Impact of Green Marketing on Practices of Supply Chain Management in Asia: Emerging Economic Opportunities and Challenges. *Int. J. Sup. Chain Mgt*. Vol.2. No.1.

Rao, P. and Hold, D. (2005), Do Green Supply Chains Lead to Competitiveness and Economic Performance. *International Journal of Operational and Production Management*, Vol. 25 No.9, pp. 898-916

Ravia V, Shankara R, Tiwarib M. (2005). Analyzing Alternatives in Reverse Logistics for End-of-Life Computers: ANP and Balanced Scorecard Approach. *Comput Ind Eng* 48: pp. 327–56.

Reefke, H & Trocchi, M. (2013). Balanced Scorecard for Sustainable Supply Chains: Design and Development Guidelines. *International Journal of Productivity and Performance Management*, Vol. 62 Issue: 8, pp. 805-826,

Reliantoro, S. (2012). *The Gold for Green, How the Gold PROPER Award Five Major Companies Achieve Innovation, Value Creation and Environmental Excellence*. Jakarta: Kementrian Lingkungan Hidup Deputi Bidang Pengendalian Pencemaran Lingkungan, Page: 29-35, 59-63, 155-161.

Republika (2018). Investor tetap percaya diri di tahun politik. https://www.republika.co.id/berita/ekonomi/korporasi/19/01/04/pkszd2370-investor-tetap-percaya-diri-di-tahun-politik

Rigdon, E. E. (2012). Rethinking partial least squares path modeling: In praise of simple methods. *Long Range Planning*, 45, pp. 341–358.

Ringle, CM, Sarstedt, M and Straub, DW. (2012). A Critical Look at the Use of PLS-SEM in MIS Quaterly. *MIS Quaterly* 36: pp. iii-xiv

Ringle, C. M., Sarstedt, M., Schlittgen, R., & Taylor, C. R. (2013). PLS path modeling and evolutionary segmentation. *Journal of Business Research*, 66, pp. 1318–1324.

Rivera, J. (2004). Institutional pressures and voluntary environmental behavior in developing countries: evidence from the costa rican hotel industry. *Society and Natural Resources*, 17:779–797. DOI: 10.1080=08941920490493783

Robinson, J. (2004). Squaring the circle? Some thoughts on the idea of sustainable development. *Ecological economics*, 48(4): pp. 369-384.

Robson, L. S., J. A. Clarke, K. Cullen, A. Bielecky, C. Severin, P. L. Bigelow, E. Irvin, A. Culyer, and Q. Mahood. 2007. "The Effectiveness of Occupational Health and Safety Management System Interventions: A Systematic Review." *Safety Science*, 45 (3): pp. 329–353

Rodrigue, J.P., Slack, B., and Comtoi, C. (2012). *Green Logistics*. Retrieved from: http://www. people.hofstra.edu/geotrans/eng/

Roechrich, J. K,. Grosvold, J., Hoejmose, S.U. (2014). Reputational Risks and Sustainable Supply Chain Management: Decision Making Under Bounded Rationality. *International Journal of Operations & Production Management*, Vol. 34 (5), pp. 695 – 719.

Roespinoedji. R., Ferry Mulyawan. F., Prawira. A., Abidin. I.S.Z., Chankoson. T. (2019). The effect of green supply chain practices on Indonesian manufacturing small and medium enterprises (SMEs). International Journal Supply Chain Management. Vol. 8, No. 2., 189 - 197

Rogers, D. S. and Tibben-Lembke, R. S. (1999). Going Backwards: reverse logistics trends and practices. Reverse Logistics Executive Council, Pittsburgh, PA.

Roghanian, E. & Pazhoheshfar, P. (2014). An optimization model for reverse logistics network under stochastic environment by using genetic algorithm. *Journal of Manufacturing Systems* 33 (2014) 348–356

Ross, D.F. (2015). *Distribution Planning and Control: Managing in the Era of Supply Chain Management*. Springer

Rossignoli, C. and Ricciardi, F. (2015). Theories Explaining Inter-Organizational Relationship in Terms of Coordination and Control Needs. *Inter-Organizational Relationships*. Vol.162, pp 7-36. Switserland. Springer.

Rumelt, R. 1987. "Theory, strategy and entrepreneurship." In D. Teece, ed., The competitive challenge: strategies for industrial innovation and renewal: 137–158.

Russo, M.V. and Fouts, P.A. (1997) A Resource-Based Perspective on Corporate Environmental Performance and Profitability. *Academy of Management Journal*, 40, pp. 534-559.

Saadia, K.H., Abdelmadjid, K., Sasu., K. (2017). The role of environmental responsibility in the adoption of green marketing: the case of petroleum companies in Arab countries. *International Journal for Innovation Education and Research* Vol:-5 No-11. 103 – 139.

Sabegh, M.H.Z., Ozturkoglu, Y. and Kim, T. (2016). Green Supply Chain Management Practices' Effect on the Performance of Turkish Business Relationships. *International Journal of Supply and Operations Management* February 2016, Volume 2, Issue 4, pp. 982-1002. ISSN-Print: 2383-1359 ISSN-Online: 2383-2525. www.ijsom.com

Saleh, Z. M. and Roslin, R.M. (2015). Supply Chain Integration Strategy: A Conceptual Model of Supply Chain Relational Capital Enabler in the Malaysian Food Processing Industry. *Procedia - Social and Behavioral Sciences,* 172, 585 – 590 Global Conference on Business & Social Science-2014, GCBSS-2014, 15th & 16th December, Kuala Lumpur.

Samuel, V. B., Agamuthu, P., & Hashim, M. A. (2013). Indicators for assessment of sustainable production: a case study of the petrochemical industry in Malaysia. *Ecological Indicators*, 31(24), pp. 392–402.

Sarkis, J. (2014). *Green Supply Chain Management*. ASME, New York.

Sarkis, J., Zhu, Q., & Lai, K.H (2011). An Organizational Theoretic Review of Green Supply Chain Management Literature. *International Journal Production Economics*, 130, pp. 1-15.

Sarkis, J & Talluri, S. (2004). Using Data Envelopment Analysis for Evaluating Environmental Performance. *Journal of Environmental Assessment Policy and Management*, Vol. 6, No. 1, pp. 91-123.

Sarstedt, M., Ringle, C. M.,Smith, D., Reams, R., Hair, J. F. (2014). Partial least squares structural equation modeling (PLS-SEM): A useful tool for family business researchers. *Journal of Family Business Strategy,* 5(1): pp. 105-115.

Sarstedt, M., & Mooi, E. A. (2014). A concise guide to market research: The process, data, and methods using IBM SPSS statistics (2nd ed.). Berlin: Springer.

Sarstedt, M., & Mooi, E. (2018). Data. A Concise Guide to Market Research, 25–45. doi:10.1007/978-3-662-56707-4_3

SCB, Economic Intelligence Centre, Petrochemical business in Indonesia (2014). A challenging opportunity, 8 th Mei 2014. Available at: https://www.scbeic.com/en/detail/product/430

Schemeltz, L. (2012). Consumer – Oriented CSR Communication: Focusing on Ability or Morality? *Corporate Communications: An International Journal*, 17 910, pp. 29-49.

Schmidt, C.G., Foerstl, K., Schaltenbrand, B., (2017). The Supply Chain Position Paradox: Green Practices and Firm Performance. *Journal of Supply Chain Management*, 53(1), pp. 3–25

Shah, R., & Goldstein, S. M. (2006). Use of structural equation modeling in operations management research: Looking back and forward. *Journal of Operations Management*, 24(2), pp. 148–169.

Shahmirzadi, H.E. (2013). Appropriate Strategies for Enhancement of Petrochemical Sales. *World Applied Sciences Journal* 21 (5): 700-704, 2013. ISSN 1818-4952. DOI: 10.5829/idosi.wasj.2013.21.5.2773

Shang K.C., C.S.Lu, S.Li (2010). A taxonomy of green supply chain management capability among electronic related manufacturing firms in Taiwan, *Journal of environmental management*, 91, pp1218-1226

Sharma, S., & Vredenburg, H. 1998. Proactive corporate environmental strategy and the development of competitively valuable organizational capabilities. *Strategic Management Journal*, 19: 729-753.

Sivakumar, R., Kannan, D., & Murugesan, P. (2015). Green vendor evaluation and selection using AHP and Taguchi loss functions in production outsourcing in mining industry. *Resources Policy, 46, 64–75.* doi:10.1016/j.resourpol.2014.03.008

Scott M. B, Jack, W.W. & Hause, E.L. (2012). *Using Employee and Customer Perspectives to Improve Organizational Performance*. Kenexa Research Institute, Lawrence Fogli, Editor.

Sekaran, U., & Bougie, R. (2016). *Research methods for business: a skill-building Approach,* 7th ed. Haddington: John Wiley & Sons.

Seman, N.A.A., Zakuan, N., Jusoh, A., Shoki,M., & Arif, M (2012). Green supply chain management: A review and research direction. *International Journal of Managing Value and Supply Chains (IVMVSC)*, March 2012, 3(1), pp. 1-18

Setiaji, Y. (2014). Pengaruh Green Marketing Terhadap Keberlanjutan Lingkungan, Profitabilitas Perusahaan dan Ekonomi Masyarakat Lokal. *Jurnal Media Wisata,* Volume 12, Nomor 2, November 2014. pp. 116-138

Seroka-Stolka, O. (2014). Environmental Management Practices in Polish Enterprises - An Empirical Analysis. Eurasian Journal of Business and Management, Eurasian Publications, 2(3), 1-10.

Seretny, M. & Seretny, A. 2012. Sustainable marketing - a new era in the responsible marketing development. *Foundations of Management*, 4(2), 66.

Sheu, J.-B. (2015). Power shifts and relationship quality improvement of producer–retailer green channel dyads under government intervention. Industrial Marketing Management, 50, 97–116. doi:10.1016/j.indmarman.2015.04.010

Shrama, A and Goya,T. (2012). A Contemporary Sustainable Strategy: Green Marketing. *International Journal of In Multidisciplinary and Academic Research (SSIJMAR)*, 1 (2).

Shi, V.G., Koh, S.C.L., Baldwin, J & Cucchiella, F. (2012).Natural resource based green supply chain management. Supply Chain Management: An International Journal 17 (1), 54-67

Shibao, Fabio, Ytoshi., Santos, Mario, Roberto dos., Moori. Roberto .Girol. (2014), Supply Chain Management Green: a comparison between Brazil, China and Japan". *Contemporary Management, Porto Alegre*, No. 16, pp.72-90.

Shukla, R.J, Garg, D, Agarwal, A. (2011). Understanding of Supply Chain: A Literature Review. *International Journal of Engineering Science and Technology (IJEST)*, Vol 3. pp. 2059 – 2072.

Siegel, D. (2009). Green Management Matters Only if it Yields More Green: An Economic/Strategic Perspective. Academy of Management, August 2009, 23:3. pp. 5-16.

Sijtsma, K. (2009). On the use, the misuse and the very limited usefulness of Cronabch's alpha. *Psychometrika*, 74(1), pp. 107-120.

Sima, Violet. (2013). *B2B Green Marketing in Romania. Economic Insights – Trends and Challenges*. Petroleum-Gas University of Ploiesti, Bd. Bucureşti 39, Ploieşti.

Singhal, P. (2013). *Green Supply Chain and Eco-Design in Electronic Industry*.

SIRIM. (2014). Driving innovation through technology and quality. Sirimlink, 2. 24

Sirmon DG, Hitt MA & Ireland RD. (2007). Managing firm resources in dynamic environments to create value: looking inside the black box. *Academy of Management Review* 32( 1):273-292.

Slaper,T.F and Hall, T.J. (2011). The Triple Bottom Line: What Is It and How Does It Work? Indiana University Kelley School of Business, Indiana Business Research Center. p. 4 – 8. https://www.ibrc.indiana.edu/ibr/2011/spring/pdfs/article2.pdf

Snell, S. A., & Dean, J. W. Jr., (1992). Integrated manufacturing and human resource management: A human capital perspective. *Academy of Management Journal*, 3, pp. 67–504.

Soda, S., Sachdeva, A and Garg, R.K (2016). Literature Review of Multi-Aspect Research Work Carried Out on the Concept and Implementation of GSCM. *International Journal of Industrial and Systems Engineering*, Vol.23. no 2, pp. 223-253.

Solaiman, M., Osman, A., Halim, M.S.B.Ab. (2015). Green Marketing: A Marketing Mix Point of View. *International Journal of Business and Technopreneurship*, Vol 5, No. 1, Feb 2015 (87-98)

Song, Y., Feng, T. and Jiang, W (2017). The Influence of Green External Integration on Firm Performance: Does Firm Size Matter. *Sustainability*, 9, 1328;

Siaper, T.F. and Hall, T.J. (2011). *The Triple Bottom LineL What Is It and How Does it Work*. Indiana Business Review, Spring, 2011.

Sridhar, K. (2012). Corporate Conceptions of Triple Bottom Line Reporting: an Empirical Analysis into the Signs and Symbols Driving this Fashionable Framework. *Social Responsibility Journal*, 8(3), pp. 312-326.

Srivastasva, S.K. (2007). Green supply Chain Management: A State of The Art Literature Review. *International Journal of Management Reviews*, Volume 9 Issue 1 pp. 53–80.

Statistic Bureau – Banten Province. (2015). Analisis keterkaitan industri kimia hulu hilir di provinsi Banten. Katalog BPS : 6101006.36. Banten

Statista. (2019). Production volume of naphtha in Indonesia from 2007 to 2017. https://www.statista.com/statistics/1018990/indonesia-naphtha-production-volume/

Stevens, J.P. (2009). *Applied Multivariate Statistics for the Social Sciences*. 5th Edition, Routledge, New York

Stevens, G.C. (1989). Integrating the Supply Chain, International Journal of Physical Distribution &Logistics Management, Vol. 19 Iss: 8 pp. 3 - 8 http://dx.doi.org/10.1108/EUM0000000000329

Stolka, O.S. (2014). Green Logistics for Greener Cities The Development of Green Logistics for Implementation Sustainable Development Strategy in Companies. *Procedia-Social and Behavioral Sciences*, 151. pp. 302-309.1st International Conference Green Cities.

Stone, M., (1974). Cross-validatory choice and assessment of statistical predictions. *Journal of the Royal Statistical Society,* 36 (2), pp. 111-147.

Suwanna., C. (2014). *Petrochemical Business in Indonesia*. SCB, Economic Intelligence Centre

Suansawat, R. (2013). *The Influence of Supply Chain Integration and Green Supply Chain Management Practices on Sustainable Firm Performance – in Thai Manufacturing Industry*. University of Hull. PhD Thesis.

Suleiman, A.A., As'ad, H.A., and Ma'n, M.M. (2015). The Impact of the Green Supply Chain Management on Environment-Based Marketing Performance. *Journal of Service Science and Management.* 8, 588 - 597

Swink, M., Narasimhan, R., & Wang, C. (2007). Managing Beyond the Factory Walls: Effects of Four Types Strategic Integration on Manufacturing Plant Performance. *Journal Operations Management*, 25 (1), pp. 148-164

Syal, A., Jindal and L (2016). Evaluation of Green Marketing Strategies in FMCG Segment. *International Journal of Emerging Trends in Science and Technology.*

Tate, W. L., Dooley, K.J,. Ellram, L. M. (2011). Transaction Cost and Institutional Drivers of Supplier Adoption of Environmental Practices. *Journal of Business Logistics*, Vol 32 (1), pp. 6-16.

Teraji, S. (2009). A Model of Corporate Social Performance: Social Satisfaction and Moral Conduct. *The Journal of Socio-Economics*, 38 (6), pp. 926-934.

Tenenhaus, M., Esposito Vinzi, V., Chatelin, Y.-M., Lauro, C., (2005). PLS path modeling. *Computational Statistics & Data Analysis,* 48 (1), pp. 159-205.

Thanawala, K. (2001). Forum for Social Economics. Vol 31(1), pages 73-79. etherlands: Springer.

Theriou, N., Georgios, T.N.,& Anggelidis, V. (2009). A theoretical framework contrasting the resource-based perspective and the knowledge-based View. European Research Studies Journal XII (3), 177 – 190.

Tianjin petrochemical publicity. (2013). China.www.tjbh.com

Toke, L.K., Gupta, R.C. & Dandekar, M. (2010). Green Supply Chain Management; Critical Research and Practices. *International Conference* on Industrial Engineering and Operations Management. Dhaka, Bangladesh.

Toke, L.K., Gupta, R.C, & Dandekar, M. (2012). An Empirical Study of Green Supply Chain Management in Indian Perspective. *International Journal of Applied Science and Engineering Research (IJASER),* Vol 1, no 2. pp. 373-383.

Tritos, L., Dotun, A. & Keach, C.T. (2013). Green Supply Chain Management Practices and Performance. *Industrial Management & Data Systems*, 113 (8), pp. 1088 – 1109.

Tseng, M.-L., Tan, K. & Chiu, A.S. (2015), "Identifying the competitive determinants of firms' green supply chain capabilities under uncertainty". *Clean Technologies and Environmental Policy*, Vol. 18, No. 5, pp. 1-16.

Tseng, P.H. and Liao, C.H. (2013). Supply Chain Integration, Information Technology, Market Orientation and Firm Performance in Container. Shipping Firms. *IJLM*, 26, pp .182

Tseng, M.L., Chiu, A.S.F., Tan, R.R., Manalang, A.B. (Jan. 2013). Sustainable Consumption and Production for Asia: Sustainability Through Green Design and Practice. *Journal of Cleaner Production*, 40, pp. 1-5

Tseng, M.L., Lim, K.M. and Wong, W.P. (2015), Sustainable Supply Chain Management: A Closed – Loop Network Approach. *Industrial Management and Data System*, Vol. 115 No 3, pp. 436-461.

Tseng, M.-L., Wang, R., Chiu, A. S. F., Geng, Y., & Lin, Y. H. (2013). *Improving performance of green innovation practices under uncertainty. Journal of Cleaner Production, 40, 71–82.* doi:10.1016/j.jclepro.2011.10.009

Turnbull,P.W., and Leek, S. (2003). Business-to-business marketing: organizational buying behaviour, relationships and networks. The Marketing Book. Fifth Edition. Edited by Michael .J. Baker. Butterworth-Heinemann

UN, Procurement Handbook, (2012*). UN Procurement Handbook*.

Urbach, N., & Ahlemann, F. (2010). Structural Equation Modelling in Information Systems Research Using Partial Least Squares. *Journal of Information Technology Theory and Application*, 11(2), pp. 5-40

Utami, Primiana and Harsanto (2014). Green Supply Chain Management at PT. Biomethagreen. The 3rd *International Conference* on Technology and Operations Management "Sustaining Competitiveness through Green Technology Management" Bandung – Indonesia, July 4-6, 2012

Vachon, S., & Klassen, R. D. (2006). Extending Green Practices Across The Supply Chain: The Impact of Upstream and Downstream Integration. *International Journal of Operations & Production Management*, 26(7), pp. 795–821.

Vachon, S. – Klassen, R.D. (2008). Environmental management and manufacturing performance: The role of collaboration in the supply chain. International *Journal of Production Economics*, Vol. 111 (2), pp. 299– 315.

Vinzi, V.E., Trinchera,L & Amato, S. (2010). *PLS Path Modeling: From Foundations to Recent Developments and Open Issues for Model Assessment and Improvement*. Handbook of Partial Least Squares, Springer Handbooks 47 of Computational Statistics

Vishal, M.S., & Avinash, S,. (2016). Green Supply Chain Management – An Overview. *International Journal of Advanced Engineering and Innovative Technology (IJAEIT)*. ISSN No 2348-7208. Special Issue on "Emerging Technology for Innovative India".

Wagner, M., & Oehlmann, J. (2009). Endocrine disruptors in bottled mineral water: total estrogenic burden and migration from plastic bottles. *Environmental Science and Pollution Research, 16(3), 278–286.* doi:10.1007/s11356-009-0107-7

Walker, H., McBain, D., Di Sisto, L. (2008). Drivers and barriers to environmental supply chain management practices: Lesson from the public and private sectors. *Journal of Purchasing and Supply Management*, 14 (1): pp. 69-85.

Waluyo, M., Huda, S., Soetjipto, N., Sumiati, Handoyo. (2015). Analysis of Balance Scorecards Model Performance and Perspective Strategy Synergized by SEM. *MATEC Web of Conferences* 58, 02003 (2016) BISSTECH 2015 .

Wan-Wen, C. (1994). Import substitution and export-led growth: a study of Taiwan's petrochemical industry. *World Development*, 22(5), pp. 781–794.

Wang, Z., and J. Sarkis. 2013. "Investigating the Relationship of Sustainable Supply Chain Management with Corporate Financial Performance." *International Journal of Productivity and Performance Management*, 62 (8): pp. 871–888.

Wold, H., 1982. *Soft modeling: the basic design and some extensions, In: Joereskog, K.G., Wold, H. (Eds.), Systems Under Indirect Observations: Part II*. North-Holland, Amsterdam, pp. 1-54.

Wernerfelt, B. (1984). A resource-based view of the firm. *Strategic Management Journal*, Vol. 5 (2), pp. 171–180.

Wee, H.-M., Lee, M.-C., Yu, J.C.P., Wang, C.E., (2011). Optimal replenishment policy for a deteriorating green product: life cycle costing analysis. *International Journal of Production Economics* 133 (2), 608 - 611.

Wei, S., Liu, H. Ke, W., Wei, K.K. and Hua, Z. (2014). Mediating Effects of Supply Chain Integration: From IT Capability to Firm Performance. *Completed Research Paper*. Thirty Fifth International Conference on Information Systems, Auckland 2014

Wetzels, M., Odekerken-Schroder, G., van Oppen, C., 2009. Using PLS path modelling for assessing hierarchical construct models: guidelines and empirical illustration, *MIS Quarterly,* 33 (1), pp. 177-195.

Willard B., (2012). *The Sustainability Advantage: Seven Business Case Benefits of a Triple Bottom Line*. New Society Publishers, Gabriola, Canada.

Wisner, J.D., Tan, K.C., Leong, G.K. (2012). *Supply Chain Management: A Balanced Approach*. Third edition. South – Western, Cengage Learning.

Wong, C. W. Y., K.-H. Lai, K.-C. Shang, C.-S. Lu, and T. K. P. Leung. (2012). Green Operations and the Moderating Role of Environmental Management Capability of Suppliers on Manufacturing Firm Performance. *International Journal of Production Economics* 140: 283–294.

World Bank (2012). Toward a Green, Clean, and Resilient World for All. A World Bank Group Environment Strategy 2012 – 2022. The World Bank Group www.worldbank.org/environment

World Commission on Environment and Development. (1987). *Our common future*. Oxford, University press.

Wu, G.C. (2013). The influence of green supply chain integration and environmental uncertainty on green innovation in Taiwan's IT industry. Supply Chain Management: An International Journal, 18 (5), 539 – 552

Wu, Z., Pagnell, M., 2011. Balancing priorities: decision-making in sustainable supply chain management. Journal of Operations Management 29 (6), 577-590.

Xu, L., Mathiyazhagan, K., Govindan, K., Haq, A. N., Ramachandran, N. V., & Ashokkumar, A. (2013). Multiple comparative studies of green supply chain management: pressures analysis. *Resources, Conservation and Recycling*, 78, 26-35.

Yacob, P., Mohamad Makmor, M.F., Mohd Zin, A. W., & Aziz, N.S. (2012). Barriers to reverse logistics practices in Malaysia SMEs. *International Journal of Academic Research in Economics and Management Sciences*, 1(5).

Yeap, J,A.L., Ramayah, T., & Acosta,P.S. (2015). Factors propelling the adoption of m-learning among students in higher education. *The International Journal on Networked Business.*

Yeh, W.C., Chuang, M.C., (2011). Using multi-objective genetic algorithm for partner selection in green supply chain problems. *Expert Systems with Applications* 38 (4), 4244 - 4253.

Yesmin, T., Masuduzzaman, M., & Zaheer, A. (2011). Productivity Improvement in Plastic Bag Manufacturing through Lean Manufacturing Concepts: A Case Study. *Applied Mechanics and Materials, 110-116, 1975–1982.* doi:10.4028/www.scientific.net/amm.110-116.1975

Yu, W., Jacobs, M.A., Salisbury, W.D., Enns, H., (2013). The effects of supply chain integration on customer satisfaction and financial performance: An organizational learning perspective. *International Journal of Production Economics* 146 (1), 346-358

Yu, W., Chavez, R., Feng,M,. (2014). Integrated Green Supply Chain Management and Operational Performance. *Supply Chain Management: An International Journal*, Vol. 19 Issue: 5/6, pp. 683-696.

Young, W., Davis, M., McNeill, I. M., Malhotra, B., Russell, S., Unsworth, K., & Clegg, C. W. (2015). Changing behaviour: successful environmental programmes in the workplace. *Business Strategy and the Environment*, 24(8), 689-703.

Younis, H., Sundarakani, B. and Prakash Vel, P. (2016). The impact of implementing green supply chain management practices on corporate performance. *Competitiveness Review*, Vol. 26 Issue: 3, pp.216-245, Retrieve from: https://doi.org/10.1108/CR-04-2015-0024

Younis, H. (2016). *The impact of the dimensions of green supply chain management practices on corporate performance in Dubai*. University of Wollongong. Ph.D Thesis.

Zailani, S., Eltayeb, T., Hsu, C. and Tan, K. (2012). The Impact of External Institutional Drivers And Internal Strategy on Environmental Performance. *International Journal of Operations & Production Management*, 32, pp. 721-745.

Zairi, M., and J. Peters. 2002. "The Impact of Social Responsibility on Business Performance." *Managerial Auditing Journal,* 17 (4): pp. 174–178.

Zak, Agnieszka (2015). Triple bottom line concept in theory and practice. Research papers of Wroclaw University of Economics. Social Responsibility of Organizations Directions of Changes. Wroclaw.

Zampese, E.R.D.S., Moori, R.G., Caldeira, A (2016). Green marketing as a mediator between supply chain management and organizational performance. *Ram, Rev. Adm. Mackenzie*, 17 (3). pp. 183-211.

Zhang, T., (2015). Development Prospects of Green Chemistry and Chemical Industry. *Journal Chemical Management,* (35).

Zhang, Y. (2017). Discussion on the Development of Green Chemistry and Chemical Engineering. *EEMS 2017 IOP Publishing IOP Conf*. Series: Earth and Environmental Science 94.

Zhou, Z., & Schoenung, J.M. (2007). An Integrated Impact Assessment Weighting Methodology: Evaluation of the Environmental Consequences of Computer Display Technology Substitution. *Journal of Environmental Management*, 83 (1). pp. 1-24.

Zhu, Q., & Sarkis, J. (2007). The moderating effects of institutional pressures on emergent green supply chain practices and performance. International Journal of Production Research, 45 (18-19), 4333-4355

Zhou, J., Lin, J., Cui, S., Qiu, Q., & Zhao, Q. (2013). Exploring the relationship between urban transportation energy consumption and transition of settlement morphology: A case study on Xiamen Island, China. Habitat International, 37, 70–79. doi:10.1016/j.habitatint.2011.12.008

Zhou, Z., Xioa.,T., Li D., (2016). An Integrated Factor Analysis Model for Product Eco-Design Based on Full Life Cycle Assessment. *Journal of Industrial Engineering and Management* (*JIEM)*, 9(1): pp. 90-109.

Zhu, Q., & Sarkis, J. (2004). Relationships between Operational Practices and Performance Among Early Adopters of Green Supply Chain Management Practices in Chinese Manufacturing Enterprises. *Journal of Operations Management*, 22(3), pp. 265-289.

Zhu, Q., Sarkis J., Geng Y., (2005). Green supply chain management in China: pressures, practices and performance. *International Journal of Operations &Production Management* Vol. 25 No. 5, 449-468

Zhu, Q., Sarkis, J., & Lai, K. (2007). Green supply chain management: pressures, practices and performance within the Chinese automobile industry. *Journal of Cleaner Production, 15(11-12), 1041–1052*. doi:10.1016/j.jclepro.2006.05.021

Zhu, Q., Dou, Y. & Sarkis, J. (2010). A Portfolio-Based Analysis for Green Supplier Management Using the Analytical Network Process. *Supply Chain Management: An International Journal*, 15, pp. 306-319

Zhu, Q., Tian, Y. & Sarkis, J. (2012a), Diffusion of Selected Green Supply Chain Management Practices: An Assessment of Chinese Enterprises. *Production Planning & Control: The Management of Operations*, Vol 23 No. 10, pp. 837 – 850.

Zhu, Q., Sarkis, J,. Lai, K. (2012). Examining the Effects of Green Supply Chain Management Practices and Their Mediations on Performance Improvements. *International Journal of Production Research*, 50 (50), pp. 1377 – 1394.

Zhu, Q.H., J. Sarkis, and K. H. Lai. (2013). "Institutional-based antecedents and 90 performance outcomes of internaland external green supply chain management 92 practices," (in English), Journal of Purchasing and Supply Management, vol. 19, no. 2, pp. 106-117, Jun 2013

Zhu, Q., Qu, Y., Geng, Y., and Fujita, T. (2015). A Comparison of regulatory awareness and green supply chain management practice among Chinese and Japanese manufacturers. *Business Strategy and the Environment. Bus. Strat. Env. 2015 Published online in Wiley Online Library (wileyonlinelibrary.com) DOI: 10.1002/bse.1888*

Zsidisin, G.A. and Siferd, S.P. (2001), "Environmental purchasing: a framework for theory development*", European Journal of Purchasing and Supply Management*, Vol. 7 No. 1, pp. 61-73