

Sustainable Supply Chain Management: Environmental, Economic, Social Performance and Research Direction

Nurhayati Sembiring and Meilita T. Sembiring

Industrial Engineering Department, Engineering Faculty, Universitas Sumatera Utara, Medan, 20155, Indonesia.

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Abstract: Research about Sustainable supply chain management (SSCM) has been growing well related with consumer need. The emergence of changes in the economic order also makes companies think seriously about producing product and also in service area connected with sustainability. Sustainable supply chains are not economically measured, but also conflict with their environmental and social performance.

1. INTRODUCTION

Due to the fact that product from industry have widely consumed and it related with sustainability, so the sustainability of the supply chain depends on supply management (Ageron, Gunasekaran, & Spalanzani, 2012). SCM has been distinct as the management of all the procedures flows such as financial, in a relationship of inter-organizational and outer-organizational, together by adding significance quality and achieving fulfillment of consumer (Brandenburg, Govindan, Sarkis, & Seuring, 2014). Sustainability is seen as having the three basic criteria, social dimensions, economic and environmental This criteria approach implemented by each business and supply chain where they are located must be included in these aspects (Gopalakrishnan, Yusuf, Musa, Abubakar, & Ambursa, 2012). SSCM has come from a strategic appreciation of all activities in a company such as procurement both in achieving best result, and overcoming sustainability issues in business capabilities. Because of the three sustainability criteria problems in some countries, the focus of industries are the quality and quality standards for all of part in their supply chains (Turker & Altuntas, 2014). This valuable tool for companies to identify key supply chains for environmental and business performance that can be measured. Economics, social and environment can be a solution, where economic, social and environmental (Bai, Sarkis, Wei, & Koh, 2012).

2. LITERATURE REVIEW

2.1 Sustainability Performance

The SSCM's activity that practiced at the moment leads to competitive advantage (Beske, 2012)

2.2 Supply Chain Performance

Then ideal two-dimensional SSCM leads to improving the company achievement at economic, social and environment (Gold, Hahn, & Seuring, 2013).

2.3 Sustainability and SCM

A broad definition of broad sustainable development: development that meets needs without surrendering the ability of next generations to satisfied their needs. (Morali & Searcy, 2013). Nowadays the research area of SSCM more wider. Social and environmental aspects are analyzed for get the optimal value in their supply chains (Harms, Hansen, & Schaltegger, 2013).

2.4 The definition of SSCM

From the TBL criteria of sustainable development, Seuring and Muller define all of management procedures related with information, material, and capital flows and some other aspects as the

sustainable supply chains. In a sustainable supply chain environmental and social aspects must be considered through customer needs and related economic criteria (Seuring, 2013).

In addition, other studies in this fields, like Environmental Purchases, are associated with traditional purchasing activities with elements of environmental management. (Zailani, Jeyaraman, Vengadasan, & Premkumar, 2012)

2.5 Sustainable supply chains related to organizational performance

There is a different meanings between ESCM, environmental supply chain management and

SRSCM, socially responsible supply chain management. It can be explained in several ways. There are several studies that examine ESCM which SSCM (Gomez-Mejia, Luis and Balkin, 2007).

2.6 Upcoming supply chain management

Previous literature or studies have made estimates for sustainable SC, but not deeply discussed. The example for this, forecasting investment on behalf of five years shows that scientists have made efforts to see the results going forward. (Walker & Jones, 2012).

Table 1: Summary of some papers review on SSCM.

Paper by	Contains	Factor	Place
Blandine Ageron, et. al.	<ul style="list-style-type: none"> Learn about the are differences models that appear for SSCM. 	<ul style="list-style-type: none"> Reason for SSM Employee performance criteria Greening supply chains 	France
Philip Beske	<ul style="list-style-type: none"> Sustainable Supply Chain Management and DC have a relationship between environmental situations and organizations. The application of SSCM field and the DC concept in the right choice. 	<ul style="list-style-type: none"> Strategy SCM Active competences in SSCM 	Germany
Kavitha Gopalakrishnan, et. al	<ul style="list-style-type: none"> Paper from previous reinforce the conclusion that the focus is aspects that can act to a sustainable future. 	<ul style="list-style-type: none"> TBL Concern in social area 	UK
Oguz Morali, Cory Searcy	<ul style="list-style-type: none"> The problem found in this study is the challenge of integrating sustainability into SCM. 	<ul style="list-style-type: none"> Integration Performance Corporate social responsibility indicators 	Canada
Suhaiza Zailani, et. al	<ul style="list-style-type: none"> Contradictory findings between sustainable packaging and operational results are the result of the perspective of operational key metrics. 	<ul style="list-style-type: none"> Practices Results SSC 	Malaysia
Halen Walker	<ul style="list-style-type: none"> The company is divided into several sustainable supply chain Companies often focus on a number of things, namely advertisements, protected employees, respondents' schedules, and so on. Future forecast for SSCM. 	<ul style="list-style-type: none"> Corporate responsibility by considering supply chains Management Sustainable development 	UK

Table 1: Summary of previous literature review on Sustainable Supply Chain Management (Continue).

Paper by	Contains	Factor	Place
Chunguang Bai, et. al	<ul style="list-style-type: none"> The problem description is applied to several methods. Sensitivity analysis shows that variations in yield greatly influence sustainable supply chain performance. 	<ul style="list-style-type: none"> Performance is measured based on sustainable ecological aspects Reference supply chain model Supply chain management development 	Republic of China, USA, and UK
Dorli Harms, et. al	<ul style="list-style-type: none"> Broad use of EMAS, which contrasts with previous studies for the German automotive industry. 	<ul style="list-style-type: none"> Supplier management sustainable supply chain management 	Germany
Stefan Gold, Rudiger Hahn, Stefan Seuring	<ul style="list-style-type: none"> The patterns of matching and contrasting findings throughout the three cases. 	<ul style="list-style-type: none"> TBL 	Switzerland, Germany
Shaikha Al Zaabi, Noura Al Dhaheri, Ali Diabat	<ul style="list-style-type: none"> To determine the inhibiting factors and the most influential factors that are resolved with the help of interpretive structural modeling. 	<ul style="list-style-type: none"> Conventional and SSCM Disturbance 	London
Stefan Seuring	<ul style="list-style-type: none"> The problems found in gratified study are deliberated with a specific analyze on the sustainability dimension 	<ul style="list-style-type: none"> SCM Management related with sustainability Modeling in a quantitative way 	Germany
Zhihong Wang and Joseph Sarkis	<ul style="list-style-type: none"> Integration of established supply chain management, environmental and social aspect in supply chains. Efforts relating to performance. 	<ul style="list-style-type: none"> Enactment of SSCM 	USA
Marcus Brandenburg, et. al	<ul style="list-style-type: none"> The problem found in this study is variation that focuses on the function, vision of the research, method, and the variation focus of the sustainability in SC. 	<ul style="list-style-type: none"> Weather alteration and Environment societal problem analysis OR in SCM 	Germany
Duygu Turker, Ceren Altuntas	<ul style="list-style-type: none"> The problem found in this study is the study associated with the framework by adding some conclusions in it. 	<ul style="list-style-type: none"> Supply chain management Certain Industry Results related with sustainability 	Turkey
Mary J Meixell, et. al	<ul style="list-style-type: none"> Analyzed universal expressive data from the theory, and recognized the solution. 	<ul style="list-style-type: none"> Importance of theoretical contribution for SSCM 	UK

3. METHOD

This literature reviews the implementation of content analysis and take the proposed some procedural step described below:

Stage 1. Articles collection:

Articles to be collected and studied are distinct and inadequate

Stage 2. Analysis:

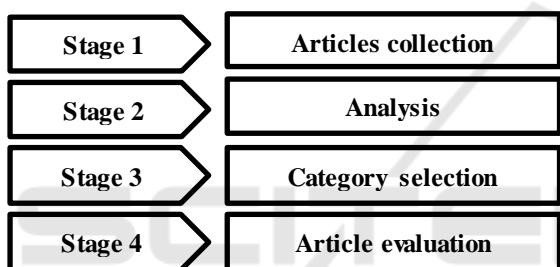
Articles to be collected are analyzed

Stage 3. Category selection:

At the stage of selecting each category that will be included in the study several related methods are carried out

Stage 4. Article evaluation:

In this stage the factors that must be well-thought-out are the scopes and categories connected with the theme.



4. RESEARCH DIRECTION

There are many studies about SSCM. But, the deep study conducted by companies is relatively small according to evaluation of SCM performance. Sustainability is integrated into supply chain management (SCM) in the company. This finding reveals that there are many challenges in integrating sustainability into SCM. This direction is to research future directions at SSCM. This article shows the interrelated economic traits, dimensions of environmental sustainability, and social, specifically related to measuring supplier performance on sustainability initiatives.

5. CONCLUSIONS

More and more private sector companies and supply products and services on an ongoing basis, called "sustainable supply chain management", in the triple bottom line criteria. There is a difference between

illusion and reality for sustainable supply chains. The study aims to discuss sustainable supply chain issues and find out the factors that influence sustainable supply chains and how sustainable supply chain performance can change the future. It's no longer enough for companies to profit - they also have to do with the community, minimizing the impact of pollution, non adult worker, safety and health. SCM are interconnected in the matter of providing a network of services and the things that produces from industries to buyers.

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