Nama	Muhammad Rafly
NIM	09031281722054
Program Studi	Sistem Informasi Reguler
Mata Kuliah	Metodologi Penelitian

Supply Chain Management

	Articles	Journals	Problems
1.	Supply Chain Process and Green Business Activities: Application to Small and Medium Enterprises Authors : Se-Hak Chun[a], Ho Joong Hwang[a], Yong-Hwan Byun[b] Department of Business Administration, Seoul National University of Science and Technology, Kongneung-gil 138 Nowon-gu, Seoul 139-743, Republic of Korea.	Procedia - Social and Behavioral Sciences	• On the contrary, the wide concept of green purchasing is for enterprises to materialise the various programs designed for the improvement of environmental problems as well as for the increase of financial performance, which is in line with Green SCM to establish countermeasures to environmental issues in such comprehensible fields as making and executing purchasing policies, selecting/evaluating/developing suppliers, logistics, packing, 3Rs, and waste treatment (Zsidisin and Siferd, 2001). • Bowersox and Closs (1996) argued that even if a logistics system might be a potential cause of environment pollution in the process of transportation and packing, it is one of a nation's available resources that can reduce or resolve ecological problems from the point of a positive view.

2.	The evolution of performance measurement systems in a supply chain: A longitudinal case study on the role of interorganisational factors Authors: Kim Sundtoft Hald, Jan Mouritsen Copenhagen Business School, Department of Operations Management Solbjerg Plads 3, 2000 Frederiksberg, Denmark.	International Journal of Production Economics	• One challenge is that because of complexity, a lot of supply chain management achievements, such as customer satisfaction and the quality of the relationships with suppliers, are simply not traceable through numbers alone (Hofmann and Locker, 2009). • Another problem may stem from the fact that the measures included do not truly represent joint value creation (Jääskeläinen and Thitz, 2018) or are short-sighted and nonstrategic, lacking specific long-term objectives (Bhagwat and Sharma, 2007). • The lack of industry standards may also cause problems (Maestrini et al., 2018).
3.	A review of green supply chain management: From bibliometric analysis to a conceptual framework and future research directions Authors : Dhanavanth Reddy Maditati[a], Ziaul Haque Munim[b], Hans-Joachim Schramma[a'c],, Sebastian Kummer[a] [a]Institute for Transport and Logistics Management, WU Vienna University of Economics and Business, Austria	Resources, Conservation & Recycling	• Sheu et al. (2005) proposed a multiple attribute theory method for integrating re-use and recycling throughout the product lifecycle that yields better utility for the supply chain. To integrate logistics operational problems into GSCM, Kainuma and Tawara (2006) used an optimization model based on the linear multiobjective programming model.

	[b]School of Business and Law, University of Agder, Norway [c]Department of Operations Management, Copenhagen Business School, Denmark T ARTIC		
4.	A collaboration model for new product development through the integration of PLM and SCM in the electronics industry Authors : Jeongsu Oh[a], Sehee Lee[b], Jeongsam Yang[c], [a]PDEM Development Group, Samsung SDS, Yoksam-dong, Kangnam-gu, Seoul 135-918, Republic of Korea [b]Creative Industry & Engineering Center, Korea Institute of Industrial Technology, 143 Hanggaul-ro, Sangnok-gu, Ansan 426-910, Republic of Korea [c]Department of Industrial Engineering, Ajou University, San 5, Wonchun-dong, Yeongtong-gu, Suwon 443-749, Republic of Korea	Computers in Industry	• In an NPD project, the schedule changes frequently owing to internal company factors such as development and production delays due to technical problems andexternalfactors suchas control of production quantity based on customers' requests. • When an integrated SCMbased collaboration procedure for company-wide product delivery is new, integration with the PDM system for each business department will require maintenance costs, and business process integration between PDM systems in development departments and the SCM system will be complicated. • They conduct a technical review of the functionality of each product based on customer demand and coordinate product specification, establish NPD schedule, and, finally, determine the product launch date. In this case, the person in charge of purchasing conducts an initial material requirements planning with the supply chain. If the initial supply plan is likely to cause problems, the determination of the product launch schedule is suspended, which becomes a

			restriction that limits passage through a gate. • Serious problems may occur that delay the launch of a new product when a bottleneck forms at a specific stage because the interconnections between preceding and following tasks are complicated. To solve these problems, a PM should monitor project progress regularly, and the personnel in charge of tasks should do likewise to ensure that the next task can be prepared no more than one week before the preceding task is completed • Changes in a new product launch schedule cause serious NPD collaboration problems such as launch delays because no systematic collaboration process exists among the relevant departments. • The results show that problems such as product information errors have improved since the collaboration model was adopted; the study proposes an effective method of managing collaboration through system functions so that work delays during collaboration can be monitored in advance.
5.	Building and evaluating ESET: A tool for assessing the support given by an enterprise system to supply chain management	Decision Support Systems	• The motivation of this research is the practical problem identified in our on-field observations and literature reviewed, which indicate that the support an ES provides

	Authors : K. Dharini Amitha Peiris[a], □Jin Jung[a], R. Brent Gallupe[b] [a]Department of Information Systems, Business School, University ofAuckland, New Zealand [b]School ofBusiness, Queen's University, Kingston, Ontario Canada		SCM is critical to enable each supply chain partner not only to perform adequately but strive to be optimised for competitive advantage of the whole value chain [2,12,22,57,59,71,81, 84,91]. • SCMSs are even more complex and span over different platforms using many protocols. Problems are therefore magnified when integrating or synchronising inter-organisational software such as ES and SCMS [21]. As these systems co-exist in modern organisations their collaborations need to be continuously evaluated in detail [21]. Such an evaluation will also give clearer directions for customisation. • Using a tool such as ESET, a systematic study of ES–SCM process points that share information can highlight problems which occur during operations and give management an insight to take remedial measures.
6.	Supply chain management ontology from an ontology engineering perspective Authors : Andreas Scheuermann *, Joerg Leukel Department Department of Information Systems 2, University of Hohenheim, Schwerzstr. 35, 70599 Stuttgart, Germany	Computers in Industry	• The difficulty with SCOR is that it lacks a formal specification, but is described by a handbook that is targeted for the business audience. Thus, deducing the conceptualization is not trivial, but requires domain expertise and is also in danger of interpreting the documentation falsely. These problems are caused by the nature of the documentation (semi-structured, serving domain

			experts) and therefore could exist for other domain models as well. • Most current ontologies, however, do not exploit the expressivity of OWL but are confined to defining class hierarchies (taxonomies), few relationships, and thus addressing terminological problems. • Ontology Design Patterns provide basic ontological building blocks for recurring issues of ontology structure, content, and representation [35,36].
7.	A Review on Data Analytics for Supply Chain Management: A Case study Authors : Anitha P Malini M. Pat Department of Information Science and Engineering JSS Academy of Technical Education, Bengaluru-560060,	MECS (Modem Education and Computer Science)	• Because of the price, weather patterns, economic volatility and complex nature of business, the forecasts may not be accurate. This has resulted in the growth of Supply chain analytics. It is the application of qualitative and quantitative methods to solve relevant problems and to predict the outcomes by considering quality of data. The issues like increased collaboration between companies, customers, retailers and governmental organizations, companies are adopting Big Data solutions. • According to Robak et al [2014], the open research problem in supply chain management along with logistics can be analyzed from the view of stake holders and

			executive business components, where key business functions are forecasting, inventory management, transport management and also human resources.
8.	The effectiveness of COBIT 5 Information Security Framework for reducing Cyber Attacks on Supply Chain Management System Authors : Mark Wolden[a], Raul Valverde[b], Malleswara Talla[b] [a]BAE System, Saudi Arabia. [b]John Molson School of Business, Concordia University, Montreal.	IFAC-PapersOnLine	• The basis of this study is to determine how effective the implementation of COBIT 5 Information Systems (IS) Security Framework for Information Security is in preventing and mitigating the risk of a cyber-attack on a SCMS. This incorporates the qualitative approach alongside quantitative which is better in this context so as to determine the perceptions and views on issues to do with System Network Integrity, Intrusion Detection & Monitoring, and Physical Security. • The issues concerning Management Overhead for Third Party ERP Toolsets, Relationship & Integration of the ERP-Role-Based Architecture was investigated at a corporate level. Consequently, the research would also check at the reliability of the Security Framework Management System (COBIT 5), Data Audit Trails and Process Documentation. • The accuracy of qualitative and quantitative echniques is anchored on questions being surveyed or issues being asked.

9.	Big Data for supply chain management in the service and manufacturing sectors: Challenges, opportunities, and future perspectives Authors : Ray Y. Zhong[a], Stephen T. Newman[b] , George Q. Huang[c] , Shulin Lan[c] [a]Department of Mechanical Engineering, The University of Auckland, Auckland, New Zealand [b]Department of Mechanical Engineering, University of Bath, Bath, UK [c]HKU-ZIRI Lab for Physical Internet, Department of Industrial and Manufacturing Systems Engineering, The University of Hong Kong, Hong Kong	Computers & Industrial Engineering	• Early MapReduce technologies suffered from performance problems which have caused severe criticisms in its low-level language performing, record manipulation and a lack of schema support, however, today these are becoming history with the support from industry heavyweights like IBM, Microsoft, and Oracle • On March 29, 2012, Obama administration announced an initiative which aimed to explore how Big Data could handle crucial problems faced by the government. The significant initiative is the Big Data Research and Development program composed of 84 different projects across six federal governmental departments (Executive Office of the President, 2012). • Current comparisons with other models or solutions may not be suitable in Big Data-driven cases. Thirdly, a decision-making model always focuses on a specific problem. • Big Data is really a global problem if we cannot interpret or use it. Many companies boast that they are collecting large amount of data from varieties of sources with its volume is ever increasing. When making effort to achieve data-driven decision-making, they are blind to follow that data

			without interpretation approaches.
10.	Retail supply chain management practices in India: A business intelligence perspective Authors : Mohua Banerjee[a],Manit Mishra[b] [a]International Management Institute IMI Kolkata 2/4C, Judges Court Rd, Alipore, Kolkata 700027, West Bengal, India [b]International Management Institute IMI Bhubaneswar Gothapatna, Bhubaneswar 751003, Odisha, India	Computers & Industrial Engineering	• One important problem of managing SCM practice is handling the huge amount of information regarding its members (e.g. manufacturers, distributors, sales agents, retailers) and therefore coordinating their current business. • From a supply chain perspective, inventory levels should be optimized, because maintenance of inventory is expensive and poses problems (Piplani and Fu, 2005).