Influence Analysis of Supply Chain Management and Supply Chain Flexibility to Competitive Advantage and Impact on Company Performance of Fish Processing in Bitung City

Indrie Debbie Palandeng, Paul Kindangen, Altje Tumbel, James Massie
Faculty of Economics and Business Sam Ratulangi University, Indonesia.

Abstract
The purpose of this study is to determine the effect of supply chain management and supply chain flexibility on company performance through competitive advantage. Samples are used through survey method on all fish processing companies that conduct export activities amounting to 21 companies. Data collection method is interview and questioner then analyzed with Partial Least Square (PLS). This research develops dimensions of supply chain management ie customer relationship management, internal supply chain management, supplier relationship management and supply chain flexibility to test relationships with competitive advantage and firm performance.

The results show that supply chain management has a positive influence on competitive advantage and firm performance. Likewise, supply chain flexibility has a positive effect on competitive advantage and firm performance. Competitive advantage also has a positive influence on the performance of fish processing companies in Bitung City. Based on the results of the study can be concluded that the improvement of company performance is highly dependent on supply chain management practices, supply chain flexibility and competitive advantage. From these findings it is recommended that the company's management maintain and improve relationships with suppliers, customers and improve the internal supply chain to produce better value-added products and demand fulfillment. Supply chain flexibility is essential for any fish processing company in Bitung to measure the extent to which the supply chain can respond to fluctuations in demand and change. New breakthroughs in delivering diverse products or improving work quality will enable the company to work as effectively and efficiently as possible. Supply chain management practices and supply chain flexibility will ultimately improve competitive advantage and improve the performance of fish processing companies in Bitung City.

Keywords: Supply Chain Management; Supply Chain Flexibility; Competitive Advantages; Company performance; Partial least Square.

1. Introduction
The performance of fish processing companies in Indonesia is faced with challenges, among others: First, the competition in the global market where some products and production processes of other countries are much more efficient compared to Indonesia. Second, competition in the domestic market such as product quality such as packaging requirements, labels, green labels, and content requirements (CPM). Therefore, there is a need for policy support in the form of increased infrastructure connectivity such as UPI development, port capacity, better road access, storage facilities and increased infrastructure capacity (such as water, electricity, telecommunication, human resources and science and technology) support, can be
sustainable (CTF, 2015). Company performance is influenced by various factors both internal and external. Inter-company integration can improve company performance according to Lee et al., (1997); Lummus, et al., (1998). Performance is determined by the twin criteria of effectiveness defined as the ability to do the right things and the efficiency that is the ability to do things right. Company performance can be seen from profitability, the main achievement of the company, growth, innovation, and the rate of return on assets. The profitability is intended to determine the company's ability to generate profits and to know how far the company is managed effectively (Stonner et al., 2000).

This study examines the relationship of supply chain management, affordability and competitive advantage and its impact on company performance. Fish processing industry becomes the largest export commodity of marine and fishery products owned by Bitung City (KKP Sulut, 2013). The increase is marked by the world market demand which each year has increased. The strategy developed in dealing with the current phenomenon is through the implementation of supply chain management and supply chain flexibility. Supply chain management and corporate flexibility within the supply chain can have a significant impact on the availability of an improved raw material that will be tackled and enhanced competitive advantage over the product.

2. Literature Review

Heizer and Reinder (2004) supply chain management may include establishing: transporters, credit and cash transfers, suppliers, distributors and banks, accounts payable, warehousing, order fulfillment, dividing information on demand forecasts, production and inventory control activities. Supply chain management is an umbrella process whereby the process is created and delivered to the consumer from a structural angle. A supply chain refers to an intricate network of relationships that maintain an organization with its business associates to obtain a source of production in delivering to consumers (Kalakota, 2000: 197) where the goal to be achieved is to maximize the overall value generated (Chopra & Meindl, 2001: 5). Supply chain flexibility is vital to the success of the supply chain since the supply chain exists in an uncertain environment. It can measure the degree to which the supply chain can respond to random fluctuations in the demand and supply changes. Flexibility may be defined in time, effort, cost or performance (Upton, 1994). Flexibility can enhance the competitiveness of enterprises, especially for decision-making processes applying technology (Jaikumar, 1986; Alvarez-Gil, 1994). (Brill & Mandelbaum, 1989; Gerwin, 1993) think that flexible operating systems require the management and control of different dimensions of flexibility, by analyzing the total system flexibility.

Competitive Advantage is a position of enduring superiority over competitors in terms of customer preference (Indrajit, 2002). It is further said that the source of competitive advantage lies in the company's ability to differentiate itself from competitors and how it works at a low cost. Dessler (2001) argues that competitive advantage can increase market share and retain the competitiveness of firms, while Porter (2004) competitive advantage essentially evolves from the value that a company can create for its buyers that exceeds the cost of the company in creating it. Bernardin and Russell (2000) define performance as follows: "performance is defined as the record of outcomes produced on a specified job function or activity during the time period. Performance is a record of the results obtained from certain job functions or activities over a period of time. Gibson, et al (2003) Performance is the result of work related to organizational goals, efficiency and performance of other performance effectiveness.

2.1. Relationship Between Variables.

2.1.1. Linkage of Supply Chain Management Variables to Competitive Advantage

Supply chain management is an important competitiveness for companies in providing fast service with high product variety and low cost so that companies can survive in the increasingly fierce competition of Gimenez and Ventura (2003). The linkage of supply chain management and competitive advantage can be proven through the results of research from Bratic (2011) that there is a relationship between supply chain management with competitive advantage The results of Chonticha Mathuramaityha (2011) conducted a literature study on supply chain collaboration relationships affecting competitive advantage but relationships between supply chain collaboration and competitive advantage in moderation by environmental uncertainty variables. This research is also supported by Gimenez and Ventura (2002) supply chain management consisting of Internal Integration and External Integration has contributed to gain competitive advantage. Said (2006) stated that the implementation of MRP improves its productivity level, supported by Watabene (2001) which states that the implementation of supply chain management will increase profits dramatically.

Variable Linkage Supply Chain Flexibility to Competitive Advantage

Supply chain flexibility can improve the competitiveness of enterprises, especially for the process of making technology implementation decisions. The Sanchez and Perez (2005) study explains that flexibility in the supply chain may well be a
potential source to improve enterprise efficiency. The results show that firms that can improve basic flexibility capabilities more than aggregate flexibility capabilities (at the customer-supplier level) will have the opportunity to improve competitiveness. Zhang et al., (2003) in his research showed that flexibility of manufactur competence (FMC) had an effect on competitive advantage. The results of Jie et al. (2007) also show that quality, flexibility and responsiveness have a significant influence on competitive advantage. Tiwari et al. (2015) found a supply chain flexibility relationship consisting of sourcing, delivery and logistic with implementation of competitive advantage.

**Linkage of Supply Chain Management Variables to Company Performance**

Supply chain management has a close relationship with company performance. This can be seen in Arawati (2011) study which states that there is a positive relationship between supply chain management, production quality, and company performance. The results of Martines Sanchez (2005) also say that there is a positive relationship between the performance of supply chain management and company performance. According to Hsu, Tan, Kannan and Leong (2009) supply chain management mediates the relationship between operating capabilities in this case just in time (JIT) and total quality management (TQM) with company performance. Gunasekaran, et al., (2004) also supports this research as evidenced by the results of supply chain activities / processes research: (1) plan, (2) source, (3) make / assemble, and (4) delivery / customer influence company performance. Performance measurement for the supply chain is an important aspect to measure the performance of a good supply chain management will bring improved cross-functional and intra-organizational planning processes and more complete control and supply chain integration. Research conducted by Arumugam et al., (2011) also supports this research. The results show that supply chain management (leadership, IT adoption, customer orientation, training, and communication) has an influence on the performance of service companies. The Chowal et al., (2006) study also supports this research, the results show that supply chain competencies have a positive influence on organizational performance in both countries of America and Taiwan. The goal of supply chain competencies satisfies customer needs. Supply chain practices, which form on the characteristics of the supply chain, supply chain integration and customer service have a direct influence on organizational performance in Taiwan but in the United States indirectly influence. The influence of supply chain management on operating performance is influenced by the integration process, cooperation, long-term relationships, information sharing through the process of improving the waiting time and supply of Cooper et al. (1997); Cooper and Ellram (1993); Bechtel and Jayaram (1997); Mentzer et al., (2001).

**Linkage of Variables Supply Chain Flexibility to Company Performance**

Flexibility is an important issue today because flexibility is often seen as an adaptive response to Gerwin's environmental uncertainty (1993); Upton (1994); Prater et al., (2001). Increasing flexibility in logistics systems can be a strategic response to the environmental uncertainties Barad and Sapir (2003). Arawati (2011) found that supply chain flexibility consisting of product flexibility, flexibility and new product flexibility have a positive influence on company performance, while Baron and Kenny (1986) supply chain flexibility had a partial mediating effect in the linkage between SCM and business performance, meaning supply chain flexibility has a partial impact between supply chain management and company performance. Sanchez and Perez (2005) explores the relationship between supply chain flexibility and company performance in automotive suppliers. The volume of flexibility found to be very important, such as the need to adjust the flexibility strategy with the supply chain characteristics provided. Research conducted by Vickery et al. (1999) studied the furniture industry, found a positive relationship between supply chain flexibility especially volume flexibility and launched the flexibility and performance of the company. Jung et al., (1999) found that suppliers who face smaller demand with high variation will invest more in flexible facilities. Das and Patel (2002) estimate the flexibility required to link the internal and external uncertainties experienced by manufacturing firms. Sanchez and Perez (2005) found a positive relationship between the flexibility of supply chain capabilities and firm performance.

**The Linkage of Variables of Excellence Competing to Company Performance**

Company performance depends on competitive advantage as required condition Spanos and S. Lioukas (2001). According to Li et al., (2006) increased competitiveness will improve the performance of the company. From the results of research competitiveness has a direct positive impact on organizational performance. The company has a competitive advantage when getting a higher rate of profit than its competitors. Foss and Knudsen (2003) stated to achieve a competitive advantage the company does not have to be the best in all dimensions. However, according to Peteraf and Barney (2003) should excel in value creation. Talaja and Ercegovic (2013) state the interdependence of competitive advantage and company performance.

**Hypothesis**

Based on the theoretical framework that has been proposed, the hypothesis proposed in this study is suspected:
i) Supply chain management has a positive effect on competitive advantage and company performance in fish processing industry in Bitung City.

ii) Supply chain flexibility has a positive effect on competitive advantage and performance in fish processing industry in Bitung City.

iii) Competitive advantage positively affects the company performance in fish processing industry in Bitung City.

iv) Supply chain management has a positive effect on company performance through competitive advantage in fish processing industry in Bitung City.

v) Supply chain flexibility has a positive effect on company performance through competitive advantage in fish processing industry in Bitung City.

RESEARCH METHODS

Research Design

This study provides an explanation of the effect of supply chain management and supply chain flexibility on company performance and competitive advantage of fish processing companies in Bitung. In this study hypotheses were built and tested for truth based on data collected through surveys at fish processing companies in Bitung City. Besides using primary data, this study also collects data from the Department of Fisheries and Marine Bitung, Central Statistics Agency of North Sulawesi Province and others or by accessing through the website. Based on the purpose, this research is descriptive and verifikatif.

Location and Object Research

This research was conducted in Bitung City, North Sulawesi Province with the object is a small-scale fish processing company that conducting export activities. The study was conducted in Bitung City because the Fishery Industry in North Sulawesi was concentrated in Bitung City.

Population and Sample

The population of this research is all fish processing companies in Bitung City, small and medium scale which exports in Bitung City which is 21 companies.

Data Determination Technique

In this study the unit of analysis used is a small-scale fish processing company that exports in Bitung City. The number of fish processing units conducting export activities in Kota Bitung amounted to 21 at the time of the research, then the technique of determining the data using census method where the entire population is used as research sample. (Arikunto, 2008).

Data collection technique

In order to achieve the research objectives, this study uses primary data sourced from the fish processing company into the sample. Source of data obtained through respondents research by using data collection tool in the form of questionnaires with answers that have been categorized in the form of numbers following the Likert scale scales and ordinal scale. According Sugiyono (2014: 93) Likert scale describes the attitudes, opinions and perceptions of respondents' answers.

Design of Analysis

This research uses partial least square analysis tool. PLS is one of the SEM-based statistical methods. According to Tenenhaus et.al., (2005) PLS is a tool to test prediction models. The quality of the measurement and the model can be seen through various statistical info calculated that is Convertible Validity (Convergent or Discriminant), Construction Reliability (cronbach's alpha or composite reliability), and loading significance. To apply the PLS model in this research using XLStat2016 software tool.

RESEARCH RESULT

Test Result Influence of MRP to Competitive Advantage and Performance of Fish Processing Company in Bitung City. From the calculation, it is known that supply chain management is formed by customer relationship management of 43.4 percent internal supply chain management of 48.7 percent and supplier relationship management by 40 percent. Based on R² of 0.998 this shows that the variables of supply chain management can be explained by its third dimension of 99 percent. The contribution of supply chain management to competitive advantage is 0.023 or in other words supply chain management has 23 percent contribution to competitive advantage in fish processing company in Bitung City. The contribution of supply
chain management to the company's performance of 0.141 or in other words, supply chain management has contributed 14.1 percent to the company's performance variable at fish processing companies in Bitung City.

**Flexibility Test Result of Supply Chain Effect on Competitive Advantage and Performance at Fish Processing Company in Bitung City**

The contribution of supply chain flexibility to competitive advantage is 0.017 or, in other words, supply chain flexibility contributes 17 percent to competitive advantage in fish processing in Bitung City. This means that any change of 1 unit to supply chain flexibility will increase the competitive advantage in fish processing industry in Bitung by 0.017. Then to see the contribution of supply chain flexibility to the company's performance of 0.282 or in other words, supply chain flexibility has contributed 28.2 percent to the performance of fish processing companies in Bitung City. It means that any change of 1 unit to supply chain flexibility will increase company performance at fish processing company in Bitung City equal to 0.282

**Testing Results Competitive Advantage on Company Performance in Fish Processing Industry in Bitung City**

From the calculation of the contribution of competitive advantage to the company's performance of 0.496 or in other words competing keungulan contribute 49.6 percent of the performance of fish processing companies in the city of Bitung. It means that every change of 1 unit to competitive advantage will increase company performance at fish processing company in Bitung city equal to 0.496.

From the value of R² of 0.680 this means that the company's performance variable is able to be explained by competitiveness variable by 68 percent or competitiveness variable's ability to explain the company's performance variable by 68 percent while the rest is explained by other factors.

**Results of Supply Chain Management Testing on Corporate Performance Through Competitive Advantage**

Total contribution either directly or indirectly from supply chain management variable to company performance is 0.152. This means that supply chain management has contributed to the company's performance through a competitive advantage of 15.2 percent. From the result of R² equal to 0.680 this means that the variable of company performance can be explained by supply chain management variable and competitive advantage equal to 68 percent, while the rest by other variable not included in research.

**Test Results Supply Chain Flexibility to Company Performance Through Competitive Advantage**

The total contribution either directly or indirectly from variable supply chain flexibility to the company performance of 0.291. This means that supply chain flexibility has contributed to the company's performance through a competitive advantage of 29.1 percent

**Discussion**

**Effect of Supply Chain Management on Competitive Advantage and Company Performance at Fish Processing Company in Bitung City**

The results show that supply chain management with three dimensions of customer relationship management, internal supply chain management and supplier relationship management have a positive influence on competitive advantage and performance of fish processing company in Bitung City. The competitive advantage of the industry, especially the fish processing company in Bitung City, is highly dependent on the supply chain management. If supply chain management is well implemented, then the competitive advantage will also be good. Therefore, if the fish processing company in Bitung City wants to get competitive advantage, supply chain management is mainly internal supply chain management because this dimension has the biggest contribution in forming supply chain management. Planning of demand, supply and service should focus on determining inventory levels, scheduling and warehouse management.

Besides internal supply chain management, fish processing company in Bitung City sees the improvement of external relations is also an important indicator in creating competitive advantage. External improvements are made through improved relationships with suppliers and customers. For example, in evaluating the performance of suppliers who have the ability to supply raw materials on an ongoing basis, quality at competitive prices so as to increase customer relationships in producing higher quality products, quick response at competitive prices.

In the midst of increasingly competitive competition, fish processing company in Bitung can expand its market share like to countries in Europe. From the data obtained from the Department of Fisheries and Marine in Bitung City, fish processed products are mostly exported to the Asian continent and partly to the US, while for Europe only a few countries because constrained by high quality standards set, so the company's products fish processing in Bitung is still not competing with
competitors. The results support Bratic research (2011); Suhong Li et al., (2006) that supply chain management comprising Internal Integration and External Integration has contributed to competitive advantage (price, quality, innovation, information sharing, delivery and time to market). Similarly, research conducted by Alipour and Mohammadi (2011); Nguyen, Sherif, and Newby (2007); Brkljack, Stancovik and Gajick (2013) that customer relationship management is a key element in achieving competitive advantage. According to Sukati, et al., (2012) ISCM integration proved to have an effect on competitive advantage. Similarly, the research of Chonticha Mathuramaytha (2011) that examines supply chain collaboration has an effect on competitive advantage (price / cost, quality, delivery dependability, product innovation and time to market). Based on some previous research results can be concluded that the company's competitive advantage will be created if the company made internal and external improvements. For example, companies pay attention to the price determined in accordance with the quality produced, faster response to fulfill orders, evaluate the performance of suppliers, sharing information about products and order approval with suppliers. So also with the planning and fulfillment of demand, warehouse management and inventory of each company. It is important to create competitive advantage of every company. Implementation of supply chain management is a strategy to create competitive advantage especially in entering global market by providing fast service with high product variety and low cost, so that company can survive in the middle of competition. Because the deployment of supply chain management will improve productivity and the company makes a profit (Watabene, 2001).

The results are in line with Li et al., (2006); Wullur and Wardaya (2015); Lambert and Cooper (2000); Eltram (1991) Betchel and Jayaram (1997) found that the higher the level of supply chain management implementation, the higher the competitiveness that will affect the performance and strategic considerations to achieve competitive advantage that will provide superior value to customers with low cost and satisfy stakeholders others. This means that the implementation of supply chain management will improve competitiveness, so that each company has a competitive advantage. The results did not support the research of Gimenez and Ventura (2002) who found internal integration insufficient to gain a competitive advantage. The fish processing industry has an opportunity to set Bitung as a Special Economic Zone, meaning the opportunity to enter the global market more open again, investment opportunities and hilirisasi will be more wide open so that there will be creation of business opportunities in the fishery sector. For that fish processing company must have competitiveness so as not to lose compete. Required government support related to regulation, policy and support of infrastructure and facilities and infrastructure. The problems that plague the existing fish processing companies in Bitung City now need serious attention from the government to accelerate the improvement of infrastructure, supporting infrastructure and policies that are enacted by providing business certainty for business actors. For example, the policy made by the government related to the ban of transshipment requires a quick solution from the government so as not to harm the business actor.

The results show that supply chain management has a positive effect on company performance. This means that the performance of industries, especially fish processing companies in Bitung City is influenced by supply chain management is done. This means that the performance of fish processing companies in Bitung City now need serious attention from the government to accelerate the improvement of infrastructure, supporting infrastructure and policies that are enacted by providing business certainty for business actors. For example, the policy made by the government related to the ban of transshipment requires a quick solution from the government so as not to harm the business actor.
Companies need to maintain their market share and satisfy customers' needs by customer-oriented, suppliers by providing products with better price, quality and service. Therefore companies need to review the activities undertaken that provide added value for all business actors thus creating sustainability value chain for the related companies. Porter's (2008) sustainability value chain is an improvement of the main activities and supporting activities undertaken by the company from supplying raw materials from suppliers, transforming processes to distributing goods to consumers should emphasize coordination and collaboration both within organizations and between organizations on supply chain with attention to its impact on the surrounding environment. For example by managing transportation. The role of transportation in sustainability value chain involves moving raw materials from suppliers to fish processing companies. What needs to be done fish processing company in Bitung is the distribution and transportation management. For example products that are delivered on time will reduce inventory, storage costs, and material handling. Companies also need to pay attention to avoid damage to the product during transport activities, especially when there is temporary storage from the original location to the destination location. The loading and unloading costs of goods, warehouses from temporary storage of products may be greater than the cost of vehicle usage for temporary storage. Transport performance will determine procurement, procurement, and customer relationship management performance. If transportation is not managed it is ensured that almost all of the main activities of the supply chain will not operate effectively and efficiently. Improving customer satisfaction and maintaining it will have an impact on the sustainability of corporate activities. Companies must plan and manage factors that support better implementation of customer relationships. For example in a complaint consumer service when the problem can not be solved, the company must be able to direct the consumer to the person who can handle their problems, in addition the company must be proactive in providing information relating to the development or the latest information of the company especially matters related to the interests of the customer. This will give pride to the company because it concerns the interests of customers. The fish processing company in Bitung should increase the level of after-sales service, for example by not letting customers wait long when delivering complaints and inputs. Customers will be disappointed when complaints and submitted submissions are ignored. When a good service customers will be satisfied and more confident about the performance of the company.

**The Influence of Supply Chain Flexibility to Competitive Advantage and Company Performance in Fish Processing Company in Bitung City**

Based on the results of research supply chain flexibility has a positive influence on competitive advantage and impact on the performance of fish processing companies in Bitung City. Delivery flexibility has the strongest value in the research results. That is, companies view the flexibility of delivery with various transport models and flexible amounts will affect the company's competitive advantage. Flexibility delivery is the ability to make changes in the acceptance and delivery of both suppliers and consumers with the most cost effective expenses possible (changes in consumer location, globalization and delays). This means that when the company is able to meet consumer demand with a good response quickly and according to consumer needs, the company will have more value in the eyes of consumers. This will affect the competitiveness of the company. Flexibility in production can be done through the improvement of human resources or arrangement of attention to the process for each machine. A flexible manufacturing system is a system that can adjust the needs of the parts that will be used to construct a particular product due to uncertain demand changes. Fish processing company in Bitung, looking at supporting facilities and employees who have the knowledge and skills are needed. Based on the available data, the average respondent has an adequate level of education. To achieve competitive advantage, currently the fish processing company in Bitung requires potential employees or experts in their field, innovative and able to generate ideas and master the latest technology, and mimiliki good quality work. So the resulting product will be more qualified and varied.

According to theory, flexibility means the ability to change the shape of a production object according to the incoming demand (Groover, 2000). Understanding Flexibility in operational flexibility here is the ability to process a variety of objects with different forms of yang and on different work systems as well. Information systems are other indicators that affect competitive advantage. This means that information systems are important for companies that need to be managed and improved to avoid misunderstanding between supply chains. The results of this study are in line with research by Sancez and Perez (2005) who found a positive relationship between performance in the flexibility of supply chain capabilities. Supply chain flexibility in view as an adaptive response to environmental uncertainty and technological complexity (Gerwin, 1993; Upton, 1994) argues that flexible firms, especially in the use of technology and information, will survive in an uncertain environment. It is very important for the fish processing companies in Bitung City to make the decision of using the latest technology to produce more efisein and innovative products. This research is also in line with the opinion of Vickery et al. (1999) who examined the furniture industry that found a positive relationship between volume flexibility in launching new products with company performance. This means companies that produce new products with a flexible volume will affect the company's performance. In line with the research of Jung et al., (1999) who found that suppliers who face smaller demand with high variation will invest more. This means that a flexible company in producing or developing new products with the
number of consumer orders will improve the performance of the company. Fish processing companies in Bitung see customer satisfaction is an important factor in improving company performance.

Currently, the single market application in Southeast Asia or known as the ASEAN Economic Community has opportunities and challenges for the manufacturing industry. Indonesia will be a big market from other countries because it has a comparative advantage that is owned resources. The relevance of the research is that competition among firms will be more competitive because trade will be more open to the flow of goods, services, investment, and labor, only companies that have competitiveness will survive. For that fish processing company in Bitung City, require investment support such as infrastructure provision, supporting facilities and infrastructure to help companies have competitiveness so as to have the advantage to compete with companies in the Asean countries.

According to Porter (2008) sustainability value chain is the improvement of main activities and supporting activities will affect the competitive advantage and improve company performance. The improvement of value-added activities is a way for fish processing companies to survive and improve company performance. For example by improving and improving the quality of human resources. Education and training for employees is very important for fish processing companies in Bitung to increase the number and quality of human resources both in terms of mindset and in skills, so that later can have insight and master the technology in the development of processed fish products. In sustainability value chain human resources is one of the activities that will provide added value for the company. For example, according to Muchtar, (1999) in order to improve the ability of utilizing marine fisheries resources, especially in the waters of ZEE, fishermen are required to possess knowledge and technical capabilities of operating large vessels. Having skilled human resources creates competencies for companies so that when they work they can share experiences, knowledge and skills through training and technical assistance to ensure that all human resources possess the ability and motivation to implement the work plan. Human resource development can be conducted jointly between government agencies, universities and private companies engaged in the field of marine science and technology as a whole to produce potential human resources. Pfeffer (1995) states that competitive advantage can be achieved through the effective management of human resources of the company. It means having potential human resources will give added value for the company. For example, UPI's flexibility to produce products through diversified fish processing products that are diverse and have added value requires knowledge and skills. So also in terms of product marketing, requires a reliable marketing strategy.

Therefore it is important for companies to have more qualified human resources. The research results are not in line with Zhang's research, Von Derembse and Lim (2003) who found that operations improvement practices have no positive effect on supply chain and performance flexibility. Because for fish processing companies in Bitung, operations improvement is very important because it deals with costs and prices for the products produced.

The Influence of Competitive Advantage on Company Performance in Fish Processing Company in Bitung City

From the calculation result, competitive advantage positively influence to company performance at fish processing company in Bitung City. This means that the performance of the company depends on the competitive advantage of each fish processing company in Bitung City. Apabilia good competitive advantage, it can be ascertained its performance will be good also. Therefore, industry players, especially fish processing companies in Bitung must try to maintain and enhance their competitive advantage, especially product differentiation which has the greatest contribution in forming competitive advantage in fish processing company in Bitung City.

The company will distinguish itself with its competitors if it has a uniqueness in something that is considered important by consumers. From several researches conducted competitive advantage can be concluded will improve company performance significantly. The Sumarow study, (2013) found a positive influence of competitive advantage over firm performance, along with Suhong Li's research, et al., (2006) also found competitive advantage to have a direct effect on organizational performance. This study indicates that competitive advantage has a direct positive impact on organizational performance, through price / cost, quality, delivery dependability, product innovation, time to market will affect market performance and financial performance. Based on the results of research stated that, companies that have competitive advantages of product quality, product innovation, competitive prices, faster response will affect the financial performance and market performance that can be concluded will affect the overall performance of the company. The research results are not in line with Anatun (2010) which examines the effect of SCM practice on supply chain performance and competitive advantage which says that there is no direct influence of competitive advantage on organizational performance. Porter (2005) states that competitive advantage provides an overview for companies in choosing and implementing common strategies to enhance and retain the competitiveness of enterprises, which ultimately will improve the performance of the company itself. The company's competitive advantage is expected not only to produce quality products, innovative, cheaper and faster response, but the company must pay attention to its environmental aspect, for example by procuring environmentally friendly technology and raw materials as well as paying attention to the waste of its products.
The implementation of ISO 14001 (environment) and 22000 (food safety) and ISO 9001 (quality) especially at fish processing company in Bitung is very important to be done so that Indonesian industry is not less competitive in international market. Because to enter the global market of fish processing enterprises is limited by international standards that are difficult to apply. ISO 14001 environmental quality management standard which is an international standard that regulates requirements for environmental management systems. This can be a framework for fish processing companies in Bitung City in running an effective environmental management system that is relevant to its operations. For example, by controlling air pollution, water and sewage, proper and responsible waste management and the use of more efficient resources. This can provide assurance to the management of the company, employees and stakeholders that the impact of the organization's activities on the environment can be measured and improved. Therefore, the government must require fish processing company in Bitung City to have Hazard Analysis Critical Control Point (HACCP) standard related to hazard analysis, method of handling processed product and sanitation and hygiene operational standard.

The results of this study are in line with Kevin Zheng Zhou, Brown and Chekitan (2008) which says that there is a relationship between customer value, market orientation, competitive advantage and firm performance. This means that competitive advantage is determined by the value of the company to the customer, so that the impact on performance. Similarly, Rose's research, Abdullah and Jenak (2010), which examined 127 manufacturing companies in Malaysia, found a link between competitive advantage and firm performance. It can be concluded the performance of the company depends on the competitive advantage offered by the company.

**The Influence of Supply Chain Management to Company Performance through Competitive Excellence at Fish Processing Company in Bitung City**

The results show that supply chain management positively affects performance through company competitive advantage. This means that the performance of fish processing companies in Bitung City is highly dependent on competitive advantage. This is because competitive advantage directly affects positively for company performance. So it can be concluded that the performance of fish processing companies will be better if the company has competitive advantage and supply chain management. To maintain performance, companies must have competitive strategy strategies by generating product differentiation at competitive prices compared to competitors and improving supply chain management. Thus expected to increase corporate performance.

The results are in line with research conducted by Chonticha Mathuramaytha (2011) who conducted a literature study on supply chain collaboration relationships on competitive advantage and company performance. The results of the study found that supply chain collaboration has a significant effect on competitive advantage and firm performance. Based on the above opinion the company's performance will be better if it is influenced by competitive advantage in creating innovative product, quality, competitive price, delivery ability and time to market. Supply chain collaboration in information sharing, decision syncing and incentive alignment will affect the uncertainty of customers and suppliers. This means that if the company has a competitive advantage and collaborate between the supply chain will improve the market performance and financial performance of the company. The results support Gimenez and Ventura (2003) because supply chain management practices are an important competitiveness for global companies in delivering rapid service with high product variety and low cost, so companies can survive in the midst of competition and will have an impact on performance company. Fish processing companies in Bitung generally perform export activities keberbagai countries in the world. Internal and external improvements will create a better competitive edge for the company. So supply chain management is a strategy to create competitive advantage that will have an impact both directly and indirectly for the performance of fish processing company in Bitung City.

**The Influence of Supply Chain Flexibility to Company Performance through Competitive Excellence at Fish Processing Company in Bitung City**

Based on the results of research supply chain flexibility positively affect the performance of the company either directly or through competitive advantage. The effect of supply chain flexibility on competitive advantage even though not too great. However, the performance of fish processing companies in Bitung city will be better if the company has competitive advantage. Competitive advantage directly affects positively for company performance. But from the results of research can be concluded that the performance of fish processing companies are directly dipegaruhi by competitive advantage and supply chain flexibility.

Company performance can be improved if fish processing companies in Bitung City are more flexible and increase their competitive advantage. Thus it is expected that the company's performance will run better. Supply chain flexibility is one of the key strategic and plays an important role to increase the company's effectiveness, competitiveness, better customer service and can improve the profitability of the company.
In line with research Sancez and Perez (2005) explain that the flexibility in the supply chain is a potential source to improve the efficiency of the company. The results show that firms that can improve their basic flexibility capabilities more than the ability of aggregate flexibility (customer-supplier level) will have the opportunity to increase competitive advantage. This means that flexibility will improve efficiency so that companies will achieve cost leadership. The results are also in line with Stevenson and Spring (2009) research which finds configuration flexibility consisting of collaboration, product design, supplier qualification and training, information sharing, shared resources, inventory policies, outsourcing and sourcing policies will affect the performance of companies that are along supply chain. Based on the results of this study can be concluded that the company's performance is influenced by supply chain flexibility and competitive advantage either directly or indirectly.

CONCLUSIONS AND RECOMMENDATIONS

Conclusion

i) From the calculation results, it is known that supply chain management is formed by customer relationship management of 44.5 percent internal supply chain management of 50.6 percent and supplier relationship management suppliers by 38 percent. Contribution of supply chain management to competitive advantage equal to 0.016 and to company performance equal to 0.077 at fish processing company that exist in Bitung city. Based on the results of internal analysis of supply chain management has the greatest contribution in shaping supply chain management. So the internal considerations of SCM is the most dominant factor affecting competitive advantage and company performance.

ii) From the calculation results, it is known that the contribution of supply chain flexibility to competitive advantage by 0.013 and to company performance equal to 0.488. Based on the results of research supply chain flexibility has a positive influence on competitive advantage and impact on the performance of fish processing companies in Bitung City. Based on the results of delivery flexibility analysis has the strongest value in the research results. So the consideration of delivery flexibility is the most dominant factor affecting competitive advantage and performance of fish processing company in Bitung City.

iii) From the calculation of the contribution of competitive advantage to the company's performance of 0.252 Based on the results of differentiation analysis has the strongest value, so consideration differentiation is the most dominant factor affect the competitive advantage to improve company performance. To produce product differentiation depends on IT innovation, ideas, experts and mastery. Sehingga performance of fish processing companies in Bitung depends on the competitive advantage of each company. Apabila good competitive advantage, it can be ascertained its performance will be good also.

iv) The results show that supply chain management positively affects performance through company competitive advantage. The contribution of supply chain management to the company's performance directly amounted to 0.077 or 7.7 percent while indirectly by 0.004. Total contribution either directly or indirectly from supply chain management variable to company performance is 0.081. The performance of fish processing companies will be better if the company has competitive advantages and supply chain management practices. To maintain and improve performance in addition to production efficiency, companies must have a strategy by generating product differentiation through improved supply chain relationships.

v) The results show that supply chain flexibility positively influences performance through company's competitive advantage. The contribution of supply chain's flexibility to company's performance is directly equal to 0.488, while indirectly is 0.003. The total contribution either directly or indirectly from variable supply chain flexibility to the company performance of 0.491. The performance of the fish processing company will be better if the company has competitive advantage and its supply chain is more flexible, especially in the flexibility of delivery, production and information system.

Suggestion

i) The supply chain management of the fish processing company in Bitung City is good enough, but it would be better if the companies to further improve the Internal Supply Chain Management are mainly related to the planning and fulfillment of customer demand because these dimensions and indicators contribute the most in shaping supply chain management, but other dimensions should not be ruled out, especially with regard to improving supplier relationship management, regarding supplier selection, supplier evaluation, pricing and order approval with suppliers since these dimensions and indicators make the lowest contribution in shaping supply chain management and enhancing and improve customer relationship management by delivering products that match the customer's wishes.

ii) Supply chain flexibility in Fish processing companies in Bitung City is good enough but it would be better if the company is more flexible in its delivery system because these dimensions and indicators make the greatest contribution in shaping the flexibility of ranta supply, but other dimensions should not be ruled out especially related
with increased production, information systems and product development flexibility as these indicators provide the lowest contribution in shaping supply chain flexibility. Companies should be able to identify other variables such as machines, material handling systems, volumes, labor and so on, so companies can reduce the costs incurred and contribute significantly to compete.

iii) Competitive advantage in fish processing company in Bitung City is good enough, but it would be better if the fish processing companies in Bitung City produce innovative products with the use of the latest technology of fish derived product that is produced to be more diverse and more quality. Thus, it is expected that fish processing company in Bitung City can have competitiveness to do product marketing to Europe and Middle East which have high quality product standard, so that consumer's trust level of quality of processed fish product from Indonesia will increase.

iv) In order for the performance of fish processing company in Bitung City can be better, the company pay more attention to the relationship with the supplier, because the level of defect or lack of raw materials affect the sustainability of the company's production process. The company needs to improve the internal supply chain because the equipment / machine maintenance capabilities and the use of the latest technology are essential to streamline the production process so that the company can work more efficiently and better meet consumer demand and improve overall company performance. Government support for sustainability development of fisheries industry by conducting partnership is needed, through policy support in investment in fishery and marine sector, so investment in fish processing industry can develop better.

Limitations of Research

First, the study sample is limited to small medium scale fish processing company located in Bitung City. Sampling in Bitung City in because of the data taken in Bitung City contributed the largest in the export of processed products in North Sulawesi. What is not considered in this research is the number of fish processing companies in North Sulawesi amounted to 139 (micro, small, medium) so that the results obtained implications only on small and medium scale companies. Secondly, this research relies solely on the perception of the company leader (manager) on every fish processing company in Bitung City which is the respondent of the research. The results will be better if the respondents in expanding by involving employees and consumers. Third, the research sample is relatively small as many as 21 fish processing companies in Bitung City. The resulting data is limited potentially the result of biased analysis. Fourth, the measurement indicator of the limited variables from the limited source. Results will be better if using more indicators and resources.

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