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Paper No.	Title Table of Contents	Author/s	Page
1001	Sustainable Rapid Product Innovation in a Big  Data Environment	Yuanzhu Zhan, Kim Hua Tan, Ming-Lang Tseng	ω
1011	Exploring Causal Sustainability Indicators for Mitigating Supply Chain Risk Occurrence under Uncertainty	Кио-Јиі Wu, Li Cui, Li Ma	11
1012	Sustainable Healthcare through Green Hospital Design and Supply Chain Strategy	G.V.R.K.Acharyulu	19
1016	Evaluating and Designing an Effective Website for SMEs in Indonesia Case Study: an Organic Processed Foods Producers	Hasrini Sari, Stanley	25
1024	The Mediating Role of Organizational Identification between Corporate Social Responsibility and Job Satisfaction	Talat Islam, Ghulam Ali	33
1028	The development of green product industry model in the perspective of Enterprise performance management in Indonesia	Hasnelly Sriyono, Hasrini Sari, Eddy Jusup Sp	39
1032	Analyzing Barriers for Implementing Green Supply Chain Management: Using DEMATEL approach for Petroleum Industry in India	V. Balaji Rao, Kavish Kejriwal, Abhishek Jain, Sai Vinod Boddu	43
1034	Down to Zero Carbon Industrial Operations: Business Practices and Planning Models	Tongdan Jin, Taeho Park, Tianqin Shi	51
1038	Genetic Algorithms for Scheduling DFJS Systems to Minimize Total Tardiness	Muh-Cherng Wu, Chi-Shiuan Lin, Yu-Ling Tsai	57
1040	Systematic approach to corporate sustainability in Vietnamese Textile industry	Ru-Jen Lin, Ming-Lang Tseng, Anthony SF Chiu	63
1042	Applying fuzzy DEMATEL method for supplier selection	Kuo-Ping Lin, Yu-Ming Lu	95
1044	Conceptualising the performance of the service industries through value creation	B. Raja Shekhar, Aditi Dang	99
1048	A Comparison of CRM Initiatives Between Services and Manufacturing Organizations	D.V. Srinivas Kumar; V. Venkata Ramana	111
1060	Exploring the hidden patterns in tweets: a study of product recall scandal	Ying Kei Tse, Minhao Zhang, Bob Doherty, Paul Chappell Philip Garnett	123
1064	Optimizing the Reuse and Recycling Management Strategy of Bio-waste for Sustainability	Chia Ho Lee	129

# The development of green product industry model in the perspective of Enterprise performance management in Indonesia

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Abstract

The growing concern of society about the environment nowdays have increase, from local buyer, producer, community, the government and also the world society. Lot of enterprises recommended the concept of green or environment innovation.

texture, and flavor are retained. competitiveness over other product like nutrient content or minimization of loss during processing, color, visibility, process of green product that can increase the product advantage. sustainability of agriculture industry through competitive produce high quality of green product industry model with the approach of resource based that can give satisfaction to itself but also for public environment, that is why the The advantage of green product is not also for the consumer from hazardous materials and its negative effect to health. the society about the importance of food product that free applied in green product industry and also as a reminder to formulate the tangible and intangible factors that can be This research is conducted to develop model that can customer of green products keep increasing. This research The important parameter in value innovation and also increase performance and

model. potential in Indonesia. simultaneously with proper technology processing innovation and resource managerial with the basis of local product processing innovation and managerial of green improve the resources, how to empower resource, how is the product, how does the availability of resources, how to five questions below: how to encouraging growth of green green product industry in Indonesia. The issues in green product industry in Indonesia can be formulated by these product industry and can contribute to the development of model. This research is expected to be applied in green modelling. descriptive and verification method with structural equation bias that contained in resource. qualitative and quantitative with purpose to Qualitative approach was used in exploration study and completed by literature study to develop research This research was done by two stages which are These The hypothesis was formulated from research five questions Research method used can be minimize the processing answered

Key words: green food product, innovation model, intangible resources, tangible resources.

## I. INTRODUCTION

The Green food product is a product that is free of pesticides or products with minimal use of chemical compounds, a product that is clean, healthy, organic and environmentally friendly. The trend of green or organic food products will grow in the long term due to the more

limited availability of land and the increase of food production demand both quantity and quality. Price of necessary [10]. There are three characteristics the company. and more tasteful than conventional products[9]. In the and economic situation [12]. products lifecycle, competitive positioning in the market consider relating to the changing of marketing strategy: by the high quality of the product itself, cleaner, healthier, issue. High marketability of green food product is caused high purchasing power makes the high price is not an targeted for middle to high consumer that have relatively conventional food, but because of green food product is green food century, consumer is the owner of product control of product in the market is higher than Every region has their own consumer which make preliminary factors that need to survey

High valued product is supported by cost effectively and efficiently, cost incurred have to be right on target so that will create value that can be enjoyed by customers and the company have to eliminate activities that do not add value to the product [12]. [13] stated that resource based is the present trend. The resource based theory contains elements of the structure and cost of factors that involved the industry. Many researchers believe that resource based theory is lack of empirical evidence, therefore need further exploration of this topic.

Resource based research on green food product is recent studies on cluster to achieve competitive advantage. This research focuses on the effect of resource based innovativeness in green food products industry to consumer satisfaction in the attempt to gain competitive advantage.

# **Theoritical Framework**

According to [12] in [8] resource based approach to competitive advantage is based on unique asset and company capability so the most important factors for choosing the best strategy is focus to the development of unique resource and capability. Barney stated that resource based theory can be develop due to the dynamic capabilities. Research to 164 organizations resulted that competitive advantage can be achieved through process and specialized tools that comes from external and internal knowledge where it serve as protector to imitation and also support for uniqueness criteria [13]

[6] stated that critical and core resource in green food product gave a positive effect on value. There are two factors that can effect the successes of green food product industry which is environment policy and internal factors such as financier and corporate strategy.

TABLE 1.
RESEARCH VARIABLE

Resource based instrument will affect the customer value and satisfaction [6; 14). Internal factor in organization is very important for customer value and satisfaction [11; 10]. The ability of supplier to communicate green product can affect green customer. The customer value is affected by product and service and it also affect consumer satisfaction. Quality of product is an indicator of the benefit of the product [17].

Customer satisfaction can be measured by customer need, information need and infromation message [16; 13].

# II. METHODOLOGY

consumer value. collect the data to find out the factors that can affect customer. The research is conducted two steps, qualitative used to enrich explorative study. on green food product industry in the view of manager done to have more understanding about existed minimize the bias of collected data. Qualitative stage is research and instrument focuses on employee, product, capacity and customer. This research is about resource based and the Previous research and expert opinion are h explorative study. Interview is used to quantitative research. The goal is problem

In quantitative research stage, previous research, exploration study result and expert opinion used to build research model. Research hipotesis define from the model and it being tested in the survey to employee and consumer of green food product.

The survey method that is use in this research is explanatory survey because this method can help understand more about the variable. The connection type between variable is causalitas. This research is cross sectional, that reflect a description of situation or phenomena that happen in 2015.

Research methodology use descriptive and verificative and the data is analyze with structural equation modelling (SEM).

This research was done in Indonesia, the target is green food product industry in West Java, DKI Jakarta, Bali, Malang, Yogyakarta, and West Sumatera.

The research population is owner and manager of green food product, the sampling method use proposional cluster random sampling. The amount of sample are 200 people.

Construct	Definition	Dimension	Operationalisation	Scale
Resource	Explain about	Resource	Development and	1-6
based	growth strategy		use of resource and	
Orr Stuart	and		internal capability	
(2007)	competitiveness			
	based on			
	resource and			
	capability			
Intangible	Define about	Employee	The development	1-6
resource	employee,	Product	and use of internal	
	product,	Capital	capability and	
	capacity and	Capacity	resource	
	consumer that	Costumer	HANDER AND THE	
	can increase the		STATES INVESTOR	27.6
	competitiveness	Berlin of the	O AT STREET, SIN	
Very	Define about	Employee	The development	1-6
Intangible	employee moral,	moral	and use of resource	
resource	reputation in the	Reputation	and internal	i.
	eye of costumer	in the eye	capacity associated	
	and investor that	of	with employee	
	can increase	consumer	moral, reputation in	
	competitiveness	Reputation	the eye of consumer	
		in the eye	and investor	
	to grante	of investor	solution of report	
Consumer	Define about	Product	The development	1-6
value	product quality,	quality	and use of internal	
(Bradley,	service quality,	Service	capability and	
2003)	price, image,	quality	resource that can	
	employee value	Image	increase costumer	
	that can increase	Price	value	S.
	benefit	Employee	The constant	ě
	by Dose or an	value	Mark West chross	

Picture 1. Research Model

#### III. RESULTS

Based on conceptual hypotesis with suggester research paradigm then can be described the connection between variables. Research variable are resource based dimension that consist of tangible resource, intangible resource and very intangible resource. Other variable are customer value, satisfaction and customer loyalty.

#### **Model Fit Test**

In this research there are three construct, marketing strategy variable as exsogen variable and costumer loyalt as endogen variable. Data evaluation is based structural model, this evaluation conducted to find out the data fit with model research. In structural model parameter estimate is expected have minimum variance and unbiased.

TABLE 2. GOODNESS OF FIT RESULT

CFI	NFI	AGFI	GFI	$\chi^2/df$	RMSEA	P-value	Chi-kuadrat	Fit index
1.000	0.880	0.800	0.900	98.37	0.000	0.000	107.06	Value
> 0.90	0.80 - 0.90	0.70 - 0.80	0.80 - 0.90	> 2.00	< 0.08	< 0.05	Expected small	Cut off value
$H_0$ denied, model good fit	$H_0$ denied, model good fit	H <sub>0</sub> denied, model good fit						

Source: Data analysis result, 2015

#### IV. DISCUSSION

concluded: Based on model fit test result in table 2, can be

- Discrepancy value of model is 107.06 (Pvalue=0.000)
- 2. RMSEA value of the model is 0.000. this model is a good fit because RMSEA is below cut off
- w 98.37 <sup>2</sup>/df (Discrepancy/df) value of the model is
- 4 Goodness of fit index concluded that the model is good fit (GFI) value is 0.900,
- S Adjusted Goodness of fit index (AGFI) value of model is good fit because the value is in the range of 0.7-0.8 the model is 0.800, this value indicates that the
- 6. indicate that the model is good fit fit Index value is 0.88. this result
- 7 Comparative fit index (CFI) value is 1.000, this because the CFI value is higher than cut-off result showed that the model is a good fit

hypothesis in this research. fit to the data, and so the model will be used to answer the Nine fit index has shows that this research model is

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