ORGANIC FOOD MARKET IN JAVA AND BALI: CONSUMER PROFILE AND MARKETING CHANNEL ANALYSIS

Pasar Pangan Organik di Jawa dan Bali: Profil Konsumen dan Analisis Saluran Pemasaran

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Abstrak

Tren keamanan pangan menjadi isu sensitif dalam industri pangan saat ini. Pertanian organik dapat menjadi alternatif solusi karena memiliki keseimbangan lingkungan, kesehatan, dan kebermanfaatan bagi petani lokal. Namun, tingginya harga produk serta skala produksi yang masih rendah menjadi faktor yang membatasi pertumbuhan pasar pangan organik di dalam negeri. Penelitian ini bertujuan menganalisis perilaku konsumen pangan organik, menganalisis saluran pemasaran dan memformulasikan alternatif saluran pemasaran pangan organik dalam negeri. Pengambilan sampel dilakukan secara purposive dimana kriteria responden adalah mereka yang mengetahui pangan organik dan berdomisili di lima kota besar pulau Jawa dan Bali. Survei saluran pemasaran dilakukan di Jakarta dan Jawa Barat dengan mewawancarai aktor-aktor di setiap rantai nilai. Hasil penelitian menunjukkan peluang pasar pangan organik cukup besar, karena umumnya responden telah menyadari bahwa pangan organik baik untuk kesehatan. Konsumen pangan organik saat ini termasuk kelompok middle class segment berusia 20-50 tahun, pekerja kantoran dan berpenghasilan di atas Rp 9 juta. Bagi konsumen, label sertifikasi pangan organik lebih penting dari merek. Saluran pemasaran organik sangat bervariasi. Pada pasar B2C pemanfaatan digital marketing dapat meminimalisir risiko finansial petani organik. Sementara pasar B2B dapat dioptimalkan melalui kerja Ásama perhotelan, restoran, kafe, rumah sakit, dan industri pengolahan makanan sehat, serta didukung kebijakan pemerintah yang selaras.

Kata Kunci: Pangan Organik, Perilaku Konsumen, Saluran Pemasaran, Negara Berkembang

Abstract

The trend of food safety is a sensitive issue in the food industry today. Organic agriculture can be an alternative solution because it has a right balance in terms of the environment, health and benefits for local farmers. However, high prices for organic products and low production scale limit the growth of the domestic organic food market. This research aims to analyze organic food's consumer behavior, analyze the existing marketing channels and formulate alternative marketing channels for the domestic organic food supply chain. Sampling was carried out by purposive sampling method in which the criteria for respondents were those who know about organic food and live in five big cities in Java and Bali. The marketing channel survey was conducted in Jakarta and West Java by interviewing each actor in the value chain. The results showed that organic food's market opportunity was quite large, because the respondents were generally aware that organic food was good for health. Organic food consumers are currently included in the middle-class segment, aged 20-50 years, office workers, and income more than IDR 9 million a month. For consumers, certification labels are more important than brands in organic food. On the one hand, organic marketing channels still vary widely. In the B2C market, the use of digital marketing can minimize the financial risks of organic farmers. On the other hand, the B2B market can be optimized through cooperation in hotels, restaurants, cafes, hospitals, and the healthy food processing industry, supported by government policies.

Keywords: Organic Food, Consumer Behavior, Marketing Channels, Developing Countries **JEL Classifications**: D11, F10, F18,

INTRODUCTION

The Indonesian government has long been concerned with organic farming. Organic farming is expected to support national food security since it can provide safe food products for the community. Moreover, organic farming can also encourage increased competitiveness of local farmers (Septiani, Najib & Sumarwan, 2019). In 2010, the Indonesian republic's agriculture ministry launched the 'go organic' program to support organic farming practices. Then, the Go Organic strengthened program was by developing 1000 organic farming villages program in 2016. The prospect of Indonesia becoming an organic foodproducing country is very prospective. In the Asian region, the country ranks fourth in those with the largest organic farming area, with a land area of 208 042 ha and ownership of producers of 17 948 (FiBL, 2019). Data from the Indonesia Organic Alliance shows that in 2018 the domestic market demand for organic food has experienced positive growth, especially the due to

development of online sales carried out by several organic food distributors. Sales growth of packaged organic food in Indonesia in 2017-2022 is forecast to reach 8.4% (Global Organic Trade Guide, 2018).

Although organic food has good prospects in the Indonesian market, the actual growth is still relatively low compared to their potential. The market share of organic food is still very small compared to the conventional product. The high price of organic products and the low production scale limit the domestic organic food market's growth. Strategic efforts to increase the growth of Indonesia's organic food market and maintain current market growth are needed. However, the organic farming system is still considered riskier by Indonesian farmers, in which at the initial stage the costs required are greater while in terms of productivity levels are lower than conventional farming (Hubeis et al., 2013). Some farmers are also hesitant in adopting an organic farming system because they consider the process too complicated,

especially in the certification process, and feel the production costs are too high while the farmers do not have enough capital (Harris et al., 2000; Soltani et al., 2014).

The higher production costs affect the price of organic food at the consumer level. Organic food becomes more expensive than conventional food (Radman, 2005). In general, consumers who are not aware of organic food's benefits often do not want to buy products at high prices (Muzayanah et al., 2015; Wang et al., 2019). Moreover, according to Rodríguez-Bermúdez et al. (2020), most studies have found that price remains to be a barrier to the widespread consumption of organic products. As a result, farmers are worried about implementing organic farming systems since they are worried about limited markets while farmers themselves do not have enough ability to properly market their products (Groff et al., 1993).

Considering the above obstacles that the organic food market faces, organic farming will continue to grow if farmers have enough incentive to implement organic farming systems, especially market incentives such as the opportunity to get a premium price and

benefit, higher potential market size, and many more. In this context, an overview of Indonesia's organic food market is essential to be analyzed to farmers other convince and stakeholders about market opportunities and its prospect. The description of market characteristics can also be useful information for farmers and organic farming entrepreneurs to formulate appropriate strategies develop their markets. Research on the organic food market characteristics has been widely carried out in developed countries (Kaygisiz et al., 2019; Vega-Zamora et al., 2020; Torres-Ruiz et al., 2018). Of course, organic foods' market characteristics have differences between developed and developing countries, especially in terms of value, lifestyle, and purchasing patterns. Therefore, market characteristics. including consumer behavior, must be directed precisely for different regions and countries as perceptions and attitudes vary across the world (Rodríguez-Bermúdez et al., 2020).

This research aims to analyze organic food's consumer behavior, analyze the existing marketing channels in the organic food supply chain, and formulate alternative marketing

channels for the domestic organic food supply chain. This research aims to provide a complete picture of the characteristics of the organic food market in developing countries by analyzing comprehensively from consumers and marketing channels perspectives.

METHODS

A survey has collected primary data into two groups: consumers and actors in marketing channels. Consumer surveys were conducted in the capital of five provinces located on Java and Bali islands, namely Jakarta, Bandung, Semarang, Surabaya, and Denpasar. So far, the five provincial capitals are the largest markets for organic foods in Indonesia (Global Organic Trade Guide, 2018).

Data at the consumer level was collected through in-depth interviews self-administered and samples of selected respondents from May-September 2018. Due to the population data is not available, a sample of 550 respondents was obtained through the Lemeshow et al. (1997) approach. Sampling was carried out by purposive sampling method in which the criteria for respondents were those who know about organic food and live in 5 big cities in Java and Bali. The sample was collected in the modern market, such as supermarkets, hypermarkets, and specialty fruit and vegetable shops. In this case, the buyer who comes to those markets during the survey period can be a target respondent. The marketing channel survey was conducted in DKI Jakarta and West Java by interviewing each actor in the value chain.

The collected questionnaires were then cleaned, incomplete questionnaires were issued, so that the total questionnaires that could be continued in processing data consisted of 527 questionnaires. The primary data of the study were processed with descriptive analysis techniques to see the frequency distribution of consumer characteristics.

The Chi-square analysis was used in this study to assess whether an association exists between the two variables by comparing the observed pattern of responses in the cells to the pattern that would be expected if the variables were genuinely independent of each other. The Chi-Square statistic is most commonly used to evaluate Tests of Independence when using a crosstabulation analysis (Sotarra & Bentler, 2010). The calculation of the Chi-Square statistic is relatively straightforward, as follow:

$$\chi^2 = \sum \frac{(f_o - f_e)^2}{f_e}$$
 (1)

Where:

- f_0 = the observed frequency (the observed counts in the cells)
- fe = the expected frequency if No relationship existed between the variables

If the Asymp value. Sig. (2-sided) Chi-Square count is smaller than α; then there is a measured relationship between variables. The alpha used is 5 percent ($\alpha = 0.05$). After conducting a consumer survey and analysis, the next step is surveying marketing channel actors. The survey on actors involved in marketing channels was conducted in DKI Jakarta and West Java. Those provinces were chosen because of the large number of organic food producers in the region. Also, the proximity of production locations with marketing channels and consumers is considered in determining the sample.

RESULTS AND DISCUSSION

This section presents the findings of the survey. It begins with an explanation of the general characteristics of the respondents. The demographic profile of organic food consumers can be highlighted at Table 1. Organic food consumers in Indonesia are dominated by the female (69.8%). In terms of age, 42.5% of the respondents were 20-29 years old. The majority of respondents were bachelor's degrees making up 75%. Additionally, most of them earned more than IDR 9 Million per month (29%). In terms of respondents' profession, the largest proportion making 63% of the sample were those employed as office worker. Based on these data, it can concluded that organic food's consumer profile is classified as a middle-class segment. This result supports the research conducted by Hughner et al. (2007) that organic food consumers are groups with good education and more women.

Table 1. Profile of Organic Food Consumers

Demographics	Criteria	Frequency (N= 527)	Percentage (100%)
Gender	Male	159	30.2
	Female	368	69.8
Age	Less than 20	8	1.5
_	20-29	224	42.5
	30-39	122	23.1
	40-50	116	22
	More than 50	57	10.9
Academic	Under senior high school	10	18
qualification	Senior high school	62	11.8
	Bachelor degree	395	75
	Master/doctoral degree	60	11.4
Monthly income	Less than Rp 3 million	137	26
-	Rp 3-5 million	104	19.7
	Rp 5-7 million	85	16.1
Rp 7-9 million		48	9.2
	More than Rp 9 million	153	29
Job	Office worker	332	63
	Self-employ/entrepreneur	105	20
	Student	90	17
Domicile	Jakarta	111	21
	Bandung	116	22
	Semarang	100	19
	Surabaya	100	19
	Bali	100	19

Consumer Perception, Priority Attribute, and Type of Organic Food

Consumer perception about organic food is essential to be identified as it influences consumers' attitudes and interests towards organic food. There have been many studies on the effect of perceptions on consumers' attitudes and interests (Basha et al., 2015; Iqbal, 2015; Oroian et al., 2017; Sultan et al., 2018) and generally produce the same conclusion where a

positive perception about the product will affect the attitudes and interests of consumers towards the product. This study indicates that Indonesian consumers have a positive perception of organic food (Table 2), where organic food is considered healthier and fresher than conventional food. This positive perception will certainly also have a positive impact on consumer interest in consuming organic food.

Table 2. Consumer Perception on Organic Food

No	Perception	Frequency	Percentage
		(N=527)	(%)
1	Better taste	53	10
2	Fresher than other products	126	24
3	Good for health	190	36
4	Not contain pesticides and other chemicals	58	11
5	More expensive	53	10
6	Good for the environment	21	4
7	Trendy/fashionable to consume organic food	26	5

Table 3. Priority Attribute Considered by Consumer

No	Attribute	Frequency	Percentage
		(N=527)	(%)
1	Label	57	10.8
2	Sensory aspect	67	12.7
3	Chemical free	98	18.6
4	Nutritious	128	24.3
5	Price	177	33.6

Despite having a positive view of organic products as healthy and fresh, consumers' most important attribute is the price. Table 3 shows the priority attributes of organic foods considered by consumers when buying organic food is dominated by two things: the price and nutritional content in products. This consideration is different from consumers in developed countries such as America, Europe, and Australia, where essential attributes taken into consideration when buying organic food products are fresh and healthy aspects. (Pearson et al., 2010; Shepherd et al., 2005; Magnusson et al., 2003).

Consumers in developing countries are generally price-sensitive, including consumers in Indonesia. (Yee et al., 2011). So it is expected that Indonesian consumers use price as the primary consideration when buying organic products. This study indicates that most organic food products consumed by Indonesian consumers vegetables, rice, and fruit (Table 4). Rice is the staple food of Indonesian people, and culturally the people of Indonesia consume rice with vegetables. So actually, the product is а daily need for Indonesian consumers.

Usage Characteristic

The majority of respondents (54.6%) in this study consumed organic food within less than a year (Table 5). While those who consume more than three years, only 14%. The majority of respondents (52%) consumption pattern

is occasionally, while those who regularly consume are relatively high, 48 percent. Those who consume regularly, most of them consume organic food once a week (30%), while the highest are those who consume organic food whenever they like (36.4%).

Table 4. Type of Organic Food Product

No	Type of Product	Frequency (N=527)	Percentage (%)
1	Vegetable	316	60
2	Rice	265	50.3
3	Fruit	158	30
4	Egg	54	10.2
5	Spice	54	10.2
6	Chicken	37	7
7	Meat	26	5

Note: Every respondent may choose more than one

Table 5. Usage Characteristics

Usage	Characteristic	Frequency (N=527)	Percentage (%)
How long have you used organic food	< 1 year	288	54.6
, ,	1-3 Years	161	30.6
	> 3 years	78	14.8
Pattern of consumption	Never	0	0
·	Regular basis	253	48
	Occasionally	274	52
Frequency of consumption	Everyday	69	13.1
	Once a week	158	30.0
	Once a month	108	20.5
	Sometime	192	36.4

The Role of Brands and Labels

Percsi & Fogarassy (2019) found that branding and product labeling are not crucial in the consumer thought to purchase organic products. However, several studies have shown that brands

and labels influence consumer purchasing decisions (Drexler et al., 2017; Jassen & Hamm, 2012; Larceneux et al., 2012; Muhammad et al., 2016). Many studies supported that the brand and label are essential factors

that must be considered by the producer.

In Indonesia's organic food market, labels become more important than the brand (Table 6). However, the effect of label depends on whether the consumers consider the additional information on the label facilitates their perception of the added value of the

organic food products. When the added value of the organic food products could be recognized consumers, such as country of origin certification and source. organic producers and marketers may benefit from increasing their market power (Kim, Suwunnamek & Toyoda, 2008).

Table 6. The Role of Brand and Label

No	Brand and Label	Role	Frequency (N=527)	Percentage (%)
1	Brand	Important	182	34.5
		Not important	345	65.5
2	Label / certification	Important	386	73.2
		Not important	141	27.8

The Place for Buying Organic Food

In Indonesia, organic food products are still considered a specialty good, which implies that products are not always available in many places. So far, modern retail has provided more organic food products compared to the traditional market. Generally,

consumers in traditional markets also do not have enough organic product awareness (Table 7). The sale of organic food in traditional markets is considered less profitable since consumers treat it like ordinary food products where the prevailing price is normal.

Table 7. The Most Preferable Place for Buying Organic Food

No	Place	Frequency (N=527)	Percentage (%)
1	Hypermarket	79	15
2	Supermarket	190	36
3	Specialty fruit market	216	41
4	Traditional market	26	5
5	Others	16	3

The majority of consumers obtain organic food products from the specialty

fruit market, followed by supermarkets and hypermarkets. The reason for

selecting the intended market is that it provides more fresh organic products with good quality (reliable). Consumers also consider the variety of products and store distance in choosing where to buy organic food (Table 8). For consumers who are sensitive to prices, the perception of fair prices is very important in making purchasing decisions (Rodiger et al., 2016).

Table 8. Reason Choosing Type of Market

No	Reason	Frequency (N=527)	Percentage (%)
1	Close to home	107	20
2	Reliable	116	22
3	Variety of products	89	17
4	Fair price	68	13
5	Good service	30	6
6	Fresh products	117	22

Note: Every respondent may choose more than one

Demographic Aspects and Frequency of Consumption

Table 9 shows that demographic aspects that significantly affect (in the level of 0.05) the frequency consumption are monthly income and education level. Then, the factor which affects (at the level of 0.10) is profession. The data is supported by the interview results producers' from organic perspective. The producers confirm that Indonesia's consumer awareness of organic products has not been as popular as in Western countries, such as English, America, and Aussie.

Nowadays, organic products' potential market covers the big cities in Indonesia, with the middle-up monthly income of customers & well-educated customers. such as Java and Bali Island. These research findings are not really in line with previous studies. Research conducted by Sharma & Singhvi (2018) found that when buying organic different products, consumers in countries are mainly influenced by gender, age, income, level of education, and children's presence the in household.

Table 9. Demographic aspect and frequency of consumption organic food

Category	Value	Df	P-Value
Monthly income vs frequency of consumption	12.370	5	0.002*
Age vs frequency of consumption	21.227	12	0.136
Education vs frequency of consumption	13.651	6	0.005*
Gender vs frequency of consumption	3.013	2	0.486
Profession vs frequency of consumption	5.404	4	0.067*

Organic Food Marketing Channels

Unlike conventional products, organic products have unique Traditional marketing approach. marketing is considered to be less relevant in promoting organic food. Muzayanah et al. (2015) stated that the inaccessibility constrains people's buying interest in organic products in terms of price and the lack of awareness of organic food benefits. Organic product marketing must pay attention to various aspects, such as consumer affordability, the right price, certification, and education.

The choice of marketing channels is important to provide decent income, especially for organic food producers. Each city had different marketing channels with its own marketing actors. Organic products were produced in five cities based on samples, namely vegetable, pineapple, banana, organic chicken, root and tuber, and rice. In

general, organic consumers consisted of end-users, *horeca* (hotel, restaurant, and café), hospitals and international markets (through exporters). To be able to reach these consumers, there are several intermediary actors involved.

Each distribution channel from onfarm to the first distribution channel until the end-user, in general, used the calculation of the Cost of Good Manufactured (COGM) as a fair price determinant. However, there were several obstacles for farmers in accessing modern retail markets, which generally consignment used the approach and the goods return system. Additionally, farmers' marketing access constraints when distributing their products to hotels, restaurants, and cafes were in the payment system which was generally delayed payment. These constraints affected the sustainability of product procurement on the part of farmers and tended to harm farmers.

Tabel 10. General Description of Organic Farming

City	Actor	Produced Product	Potential Market	Sales Coverage
Bogor	Traditional farmer, middleman, Cooperative, Distributor farmer, retail, Individual agent	Vegetable, Pineapple, Banana, Organic Chicken, Root and Tuber	Horeka Hospital End User	Jakarta, Bogor, Depok, Tangerang, Bekasi
Jakarta	Distributor foundation, organic community, exporter	Rice	End User Exporter	International

City	Actor	Produced Product	Potential Market	Sales Coverage
Cianjur	Association of farmers groups, cooperative, retail, distributor farmer, individual agent	Japanese Vegetable	Horeca End User	National
Tasikmalaya	Association of farmers groups, middleman, exporter, retail	Rice	Exporter End user	International
Bandung	Modern farmer, Modern retail	Vegetable, Seasoning Vegetable	End User Horeka	Bandung

Jakarta Organic Product Marketing Channel

The marketing channel for organic products in Jakarta was divided into three marketing channels, as shown in Figure 1. The whole marketing channel involved four marketing actors, with the final objectives were the end-user and foreign markets. The marketing actors involved were farmers, distributors, retailers, exporters. Jakarta's and organic food marketing channel's uniqueness was that most of its products were distributed directly to consumers so that there were not too many marketing actors involved, and the marketing margin obtained by the farmer was increasing. One of the reasons was the geographical proximity to the producer. There are many people with middle to upper income in the capital city and are also educated. Direct sales to end-user also have reasonable implications for the producer, namely, the direct payment that is not deferred.

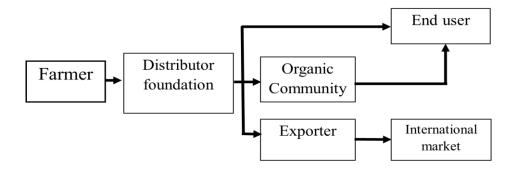


Figure 1. Jakarta Organic Product Marketing Channel

Bogor Organic Product Marketing Channel

The marketing channel for organic products in Bogor was divided into six marketing channels, as in Figure 2. The whole marketing channel involved six marketing actors: farmer, cooperative, middleman, distributor farmer, retailer, and individual agent. The final objectives were the end-user and B2B, which are hospitals and restaurants.

In addition to modern farmers, in Bogor, organic food production was also done by the traditional farmer. Constraints from traditional farmers included difficulties in reaching market share and also the certification process. Therefore, cooperatives were formed to farmers' added value provide to products in branding, packaging, and channeling traditional farmers' products to end users/other marketing institutions with access to end-users. However,

cooperatives had a maximum quantity of product purchases from farmers, so that not all farmers' products were absorbed into the cooperative. The excess products were sold to middlemen at a much cheaper price and the same as conventional products' price.

Modern producers in the city of Bogor already had access to their main sales through sales agents in Greater Jakarta. Modern producers in Bogor were well-known companies that had also succeeded in implementing sales strategies by minimizing farmers' losses, by implementing a system of selling out and not returning. The ability of modern farmers to access markets through the agency system made great demand modern farmers. Therefore. from modern Bogor producers also bought products from farmers/cooperatives and distributed them to the marketing network they had.

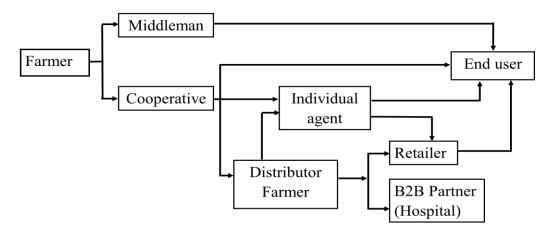


Figure 2. Bogor Organic Product Marketing Channel

In the organic food value chain in the Bogor area, individual agents are the actors who get the largest proportion of the existing price transmission (see Table 11). Individual agents sell organic agricultural products, only organic pineapples with a one-time quantity of ±

50 pineapples once a week. This agent sells pineapples to buyers directly or delivery orders via an Instagram platform called "Kebun_yursayur" and Whatsapp. The grades taken are levels B and C with the following price details:

Table 11"Prices Transmission of Organic Pineapple

Grade	Prices at	Price from the	Selling price / fruit			
Grade	farmers	cooperative	Agent	Proportion	End Customers	Proportion
В	3 000	5 000	12 000		15 000	
				80%		20%
С	2 500	4 000	12 000		15 000	

Bandung Organic Product Marketing Channel

The marketing channel for the organic product in Bandung was divided into three marketing channels, as shown in Figure 3. The whole marketing channel involved two marketing actors with the final objectives: the end-user and B2B, such as café and restaurant. The marketing actors involved were farmers and retailers. Similar to Jakarta,

Bandung also had the advantage of being close to consumers demographically. Producers of organic products can directly channel their products through retail in Bandung and to B2B (hotel, restaurant, and café) in the Bandung area. Marketing that was still in one city made it easy for producers to supply goods, handle goods to keep them fresh and reduce transportation costs.

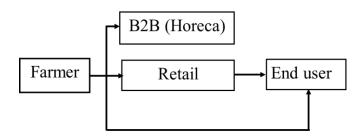


Figure 3. Bandung Organic Product Marketing Channel

Cianjur Organic Product Marketing Channel

The marketing channel for organic products in Cianjur was divided into five types of marketing channels (Figure 4). The entire marketing channel involved eight marketing actors, with the final objectives were the end-user and B2B,

for business consumers, were generally restaurants. Sales with the final objective to B2B (restaurants) made farmers there to have stable demand and not receive goods return, even in terms of payments the delayed payment system was used.

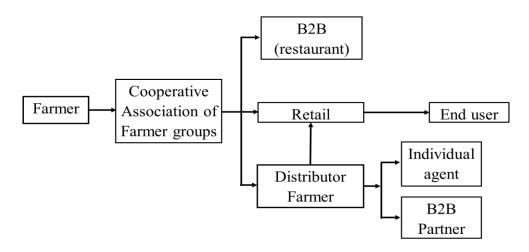


Figure 4. Cianjur Organic Product Marketing Channel

Tasikmalaya Organic Product Marketing Channel

The marketing channel for organic products in Tasikmalaya was divided into four marketing channels, as shown in Figure 5. The entire marketing channel involved six marketing actors with the end-user and the foreign market's final objectives. Gapoktan

(association of farmers groups) in Tasikmalaya was partnering with exporters who sold the products abroad so that the most significant sales were overseas. Price determination from farmers to exporters, distributors, and retail is carried out by negotiation through meetings of internal parties and external parties.

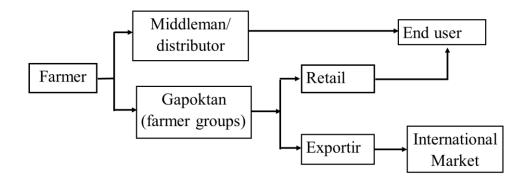


Figure 5. Tasikmalaya Organic Product Marketing Channel

Pricing from farmers to exporters, distributors, and retailers is carried out by negotiation through internal and external party meetings. The standard of quality for goods produced is the

premium export quality for all commodities supplied. The price transmission in the organic food supply chain in Tasikmalaya is shown in Table 12.

Table 12. Price transmission of Simpatik's Gapoktan Rice

Type of Commodity	Prices of Grain (Rp/Kg)	HPP Farmers (Rp/kg)	Exporters (Rp/kg)	Retails (Rp/Kg)	End User (Rp/kg)	Payment System	Portion
White rice	Gapoktan	13.000	16.500		± 5-6 Euro	End Selling	400
Brown rice	offers	14.000	17.000		± 5-6 Euro	End Selling	75-100 ton
Black Rice	higher	15.000	18.000		± 5-6 Euro	End Selling	tori
White rice	prices to farmers	13.000		Take	_	J	
Brown rice	above the normal	14.000		profit ± 10% of the	The range of Rp. 28.000-	Consignment / 1 month	
Black Rice	market price and	15.000		consumer	40.000	deferred	5-10% of
White rice	middleme	13.000		İ	The range		export volume
Brown rice	n around Rp. 5.000-	14.000			The range of Rp. 22.000-	Sell End / Cash	volume
Black Rice	5.700	15.000			30.000		

Marketing Channel Analysis

Based on observations on each organic food marketing channel in Jakarta, Bogor, Bandung, Cianjur, and Tasikmalaya, they all have the same goal of creating a sustainable market.

Some experts say that the direct selling system is a sustainable marketing channel for farmers/producers. However, farmers need to be supported by communities such as farmer groups

(Gapoktan) to maintain competitiveness in the market.

On the other hand, although market demand for organic food certification is high, it is still challenging to be met by small farmers. The high price of certification and the lengthy certification process have made things difficult for small farmers. Based on the actors playing in the B-to-B market, complained some about consignment payment system. The deferred payment system does not seem suitable for a perishable product. Marketing efficiency in the value chain of organic food can be seen from how significant the benefits are received by small farmers (farmers' share). The more intermediaries such the middleman making organic food chains are getting longer, potentially giving

fewer benefits to the farmers. An efficient marketing channel can be seen in the Bandung area, where small farmers, supported by the organic food community, sell their crops directly to the market without middlemen.

Alternative Marketing Channel

The challenges faced by traditional farmers are oversupply and limited market access causing the bargaining power of organic products to be weak, as seen from the price of organic products, which are the same as non-organic products' prices. In modern farmers who access retail channels and partly in horeca, the suspension of payment can inhibit farmers in the From production process. these findings, alternative marketing channels that can be mapped are as follows (Figure 6).

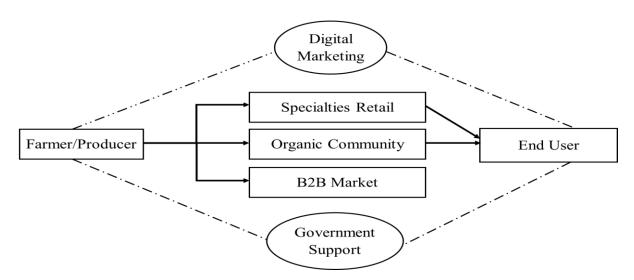


Figure 6. Alternative Organic Food Marketing Channel

From the producers' perspective, organic products' potential marketing in terms of quantity, price, and no refund criteria are through direct marketing by utilizing digital marketing and organic communities. Based on the case of organic product marketing in Indonesia, the results support Nuutila & Kurppa (2017) that collaboration both vertically and horizontally can provide a fairer price share for each actor in the distribution channel. In Indonesia, the most potential alternative markets to be considered are B2B market access, such as hospitality cooperation, restaurants, cafes, hospitals, and the healthy food processing industry. However, B2B access requires strong government support.

CONCLUSION AND POLICY RECOMMENDATION

Based on the study result, we can conclude that basically, the market opportunity for organic food is quite large, especially for female consumers aged between 20-50 years and highly educated. Potential consumers of organic products in Indonesia are those who have an income above 9 million IDR. Differentiating products with certification labeling is an effective marketing strategy for credence goods such as organic food products. Even

nowadays, upper-middle-class society also considers traceability of the products offered through the QR Code.

the other hand, On organic marketing channels in Indonesia are still very varied. The absence of government in downstream organic program products has become an obstacle for producers, especially for traditional farmers. Moreover. marketing not yet management training has become part of the "go organic" government program.

From the producers' perspective, organic products' potential marketing in terms of quantity, price, and no refund criteria are through direct marketing by utilizing digital marketing and organic communities. Both vertically and horizontally, collaboration can provide a fairer price share for each actor in the distribution channel. However, the B2B market needs government support in terms of accessing the *horeca* industry.

Difficulties in obtaining complete data on price changes in each marketing channel become a limitation in this study. Therefore, further research is expected to provide a marketing channel mapping in each region based on margin share distribution for each organic food chain actor in every product category. Likewise, the analysis of each marketing

channel's efficiency and effectiveness is also very interesting for further study.

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