



Compliance Analysis of Indonesian Field Standard Classification (KBLI 10293) in the Freezing Shrimp Industry in Banjarmasin City

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Authors' contributions

This work was carried out in collaboration among all authors. All authors read and approved the final manuscript.

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ABSTRACT

The current compliance condition of the Fish Processing Unit in the City of Banjarmasin was reviewed for 3 shrimp freezing companies based on the Indonesian Business Field Standard Classification standard (KBLI 10293). The aim of the study was to analyze the compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan compared with the Indonesian field standard classification (KBLI 10293). This research was conducted in three shrimp freezing industries in the City of Banjarmasin, South Kalimantan, namely: PT. Kalimantan Fisheries, PT. Wirontono Baru and PT. Yubel Utama Seafood Indonesia (YUSI). To answer the research

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objectives, the data analysis technique was used a percentage descriptive analysis whose assessment refers to the Marine Fisheries Government Number 6 of 2021, which is to systematically describe facts or characteristics of the field population specifically and factually from the data that has been collected. Descriptive analysis of percentages was carried out by measuring research variables using the Likert's scale for measuring data in the form of social or individual characteristics when conducting questions and answers in the field presented in the form of a questionnaire. The compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan based on the Likert's scale criteria. Also, the total compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan was very obedient (83-86%) based on the KBLI, 10293 Compliance assessment criteria.

Keywords: Compliance; KBLI 10293; frozen shrimp; Banjarmasin City.

1. INTRODUCTION

Shrimp freezing (Frozen shrimp) is a fishery product processing technique that aims to preserve food based on inhibiting the growth of microorganisms, restraining chemical reactions and enzyme activity. One of the cities in Indonesia that is developing a fishery product processing industry is the city of Banjarmasin, South Kalimantan. Where the fishery product processing company is engaged in the processing of frozen shrimp [1]. Frozen shrimp products are the commodity that dominates fishery exports, with a contribution value of US\$ 1.280 million, followed by tuna at US\$ 606 million, other fish at US\$ 700 million and other fishery products at US\$ 746 million. Shrimp itself has been designated as Indonesia's leading export commodity [2].

In line with the increase in the fishery product processing industry, the government designs and implements several policies in managing the processing industry. Compliance is the level of a person's behavior in following a regulation, specification, method, standard set by an organization [3]. Compliance with shrimp processing business actors can be measured by looking at the extent of ownership of licensing documents based on business permits [4].

The policy performance indicators set out in the 2015-2019 Strategic Plan of the Ministry of Marine Fisheries (KKP) are measuring the compliance of business actors in the marine and fisheries sector with applicable laws and regulations [5]. The authority to determine permits and procedures often becomes an obstacle in creating a conducive business climate, because licensing procedures are convoluted and require unnecessary approval documents (recommendations), coupled with non-transparent pricing and lack of rationality [6].

Policies on facilitating licensing services that can support a conducive business climate must be followed up by policies implemented by district/city governments, but this policy is considered not optimal [3].

Fish Processing Unit (UPI) is a place and facility to carry out fish handling and/or processing activities [7]. If the feasibility program for the UPI has been implemented properly, compliance supervision related to the implementation of a quality management system based on the Indonesian Field Standard Classification (KBLI 10293) can be carried out effectively, so that it is expected to produce quality fishery products and be able to compete in the global market. It is suspected that there is still a fishing industry that does not comply with fisheries legislation in processing fishery products and packaging fishery to be exported to foreign countries. The current compliance condition of the UPI the City of Banjarmasin was reviewed at for 3 shrimp freezing companies based on the KBLI, 10293.

The impact caused if the perpetrators of the UPI do not meet compliance standards, namely based on Government Regulation Number 5 of 2021 article 228 concerning the implementation of business licensing, the Supervisor can stop company violations in order to prevent a bigger impact. The period is no later than 1 (one) day after receiving the report from a certified or accredited expert institution or profession [8]. The aim of the research is to analyze the compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan compared with the Indonesian field standard classification (KBLI 10293).

2. METHODS

This research was carried out in three shrimp freezing industries in Banjarmasin City, South Kalimantan, namely:

1. PT. Kalimantan Fishery yang located on the street Tj. Berkat No.3, Tlk. Tiram, in Banjarmasin City, South Kalimantan, 70113
2. PT. Wirontono Baru yang located on the street Teluk Tiram No. 5 in Banjarmasin City, South Kalimantan,
3. PT. Yobel Utama Seafood located on the street Keramat Basirih No.36, Basirih, in Banjarmasin City, South Kalimantan,

The selection of locations and respondents was determined by purposive sampling method (intentionally). Purposive sampling is a particular technique in research sampling. The reason for carrying out purposive sampling according to the objectives taken in the three industrial companies is because it is to compare the level of compliance and the factors that influence compliance from the three companies. This condition is because the 3 companies are shrimp export companies in the Banjarmasin City area and are in accordance with the research objectives to be achieved. Respondent criteria (at shrimp freezing companies) amounted to 15 respondents per company consisting of 5 respondents, namely 1 company director (company leader and policy maker), 1 production manager (understands the rules and legal provisions that must be met in production), 1 marketing manager (understands the regulations and legal provisions that must be met in marketing), 1 quality control (part of production management which has a role as well as certain legal rules in controlling the packaging process to release products) and 1 employee (representative of the evaluation of the fulfillment of facilities and infrastructure provided provide company).

2.1 Data Analysis Technique

The data analysis technique to answer the research objectives is to use a percentage descriptive analysis whose assessment refers to the Marine Fisheries Government Number 6 of 2021, which is to systematically describe facts or characteristics of the field population specifically and factually from the data that has been collected. Descriptive analysis of percentages was carried out by measuring research variables using a Likert's scale for measuring data in the form of social or individual characteristics when conducting questions and answers in the field presented in the form of a questionnaire [9].

3. RESULTS AND DISCUSSION

Research on level analysis and compliance factors for the Indonesian field standard classification (KBLI 10293) in the frozen shrimp industry in Banjarmasin City, South Kalimantan involved several respondents.

3.1 PT. Kalimantan Fishery

The results of the analysis of the compliance level of the frozen shrimp industry at PT. Kalimantan Fishery Banjarmasin City, South Kalimantan compared with the standard Indonesian field classification (KBLI 10293) is presented in the following Table 1.

Based on the results of the research analysis in Table 1 regarding the compliance level of the frozen shrimp industry at PT. Kalimantan Fishery have got the results of compliance criteria, namely the fulfillment of the general requirements of the shrimp freezing business 88% (very compliant), the specific requirements of the shrimp freezing business 86% (very compliant), the fulfillment of shrimp freezing facilities 86% (very compliant), the suitability of the organizational structure and human resources Shrimp freezing 78% (compliant), shrimp freezing services 82% (very compliant), shrimp freezing product/process/service requirements 68% (compliant) and shrimp freezing business management system 80% (very compliant). The average level of compliance was based on the criteria for calculating the 'living scale' at PT. Kalimantan Fishery, namely 81% (very compliant), while the total level of compliance was based on KBLI 10293 criteria at PT. Kalimantan Fishery namely 83.4% (very compliant).

This condition was supported by PT. Kalimanta Fishery has the criteria as stipulated in Permen KP No. 10 of 2021 concerning Standards for Business Activities and Products in the Implementation of Risk-Based Business Licensing for the Maritime and Fisheries Sector [6]. KBLI 10293, classified in the medium-high risk classification so that surveillance can be carried out 2 times a year. Based on the results of research on data collection and supervision of the Fish Processing Unit (UPI) in the context of operational supervision of the fishery product processing business of PT. Kalimantan Fishery already has a business license consisting of and KBLI 10293. The Standard Certificate has not been verified. Assessment of technical

compliance of business actors for KBLI 10293 the medium to high classification which can be supervised 2 times a year. was classified as very compliant and included in

Table 1. Compliance Level Analysis PT. Kalimantan Fishery

No.	How to fulfill the General Requirements for Shrimp Freezing Business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Make a business plan	0	0	0	0	5	0	0	0	0	100
2	Type of business	0	0	0	5	0	0	0	0	100	
3	Investment source and value	0	0	0	5	0	0	0	0	100	
4	Type and origin of Raw Materials	0	0	0	5	0	0	0	0	100	
5	The means of production used	0	0	0	0	5	0	0	0	100	
6	Layout and description of the production process	0	0	0	0	5	0	0	0	100	
7	Marketing area	0	0	0	5	0	0	0	0	100	
8	Duration of business plan fulfillment	0	0	0	5	0	0	0	0	100	
Likert's Scale criteria											88%
KBLI Compliance Assessment Criteria 10293											17.6%
No.	What are the special requirements for the shrimp freezing business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The SKP is no later than 3 (three) months after the issuance of the business permit	0	0	0	0	5	0	0	0	0	100
2	PMMT/HACCP Application Certificate as long as required in the export destination country is fulfilled at the time of export	0	0	0	4	1	0	0	0	80	
3	Business activity report every 6 (six) months	0	0	0	1	4	0	0	0	20	
4	Type and capacity of facilities and infrastructure, technology used	0	0	0	0	5	0	0	0	100	
5	Turnover	0	0	0	5	0	0	0	0	100	
6	Labor	0	0	0	5	0	0	0	0	100	
7	Origin of raw materials	0	0	0	5	0	0	0	0	100	
8	Shrimp type and volume	0	0	5	0	0	0	0	100	0	
9	Type and volume of product produced	0	0	0	5	0	0	0	0	100	
10	Utilizing incentives and investment, reports on the realization of capital and labor once every 3 (three) months	0	0	0	0	5	0	0	0	100	
Likert's Scale criteria											86%
KBLI Compliance Assessment Criteria 10293											34.3%
No	How to Fulfill Shrimp Freezing Facilities?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Fish processing personal protection equipment	0	0	0	0	5	0	0	0	0	100
2	Fish handling equipment	0	0	0	5	0	0	0	0	100	
3	Condition of frozen shrimp cutlery	0	0	0	0	5	0	0	0	100	
4	Condition of sanitation facilities (hand washing facilities)	0	0	0	0	5	0	0	0	100	
5	Condition of fish processing room	0	0	4	0	1	0	0	80	20	
6	Room condition/fish freezing equipment	0	0	2	1	2	0	0	40	20	
7	Condition of packaging / packing room	0	0	1	3	1	0	0	20	60	
8	Condition of packaging equipment / packing ; and frozen storage / cold storage .	0	0	2	1	2	0	0	40	20	
Likert's Scale criteria											86%
KBLI Compliance Assessment Criteria 10293											8.6%
No.	How does the organizational structure and human resources of Freezing Shrimp fit?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The minimum organizational structure has operators, checkers quality and quality control	0	0	3	1	1	0	0	60	20	20
2	Competency requirements for human resources in carrying out this business have knowledge and ability in quality assurance systems and food safety	0	0	1	2	2	0	0	20	40	40
Likert's Scale criteria											78%
KBLI Compliance Assessment Criteria 10293											3.9%
No.	How is the shrimp freezing service?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Business and product information, starting from the procurement of raw materials, production processes, packaging and product delivery to consumers	0	0	2	0	3	0	0	40	0	60
2	The contact number that can be contacted is used as a consumer service or has online media for consumer services/complaints	0	0	2	1	2	0	0	40	20	40
Likert's Scale criteria											82%
KBLI Compliance Assessment Criteria 10293											4.1%
No.	What are the product/process/service requirements for freezing shrimp?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The product reaches a central temperature of -18°C (minus eighteen degrees Celsius) and is monitored for temperature.	0	0	4	0	1	0	0	80	0	20
Likert's Scale criteria											68%
KBLI Compliance Assessment Criteria 10293											6.8%
No.	How is the shrimp freezing business management system?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Establish and implement effective and documented procedures that include:	0	0	3	2	0	0	0	60	40	0
2	Planning	0	0	2	2	1	0	0	40	40	20
3	Communication with customers regarding input on services; And	0	0	1	3	1	0	0	20	60	20
4	Precautions: anticipate risks and possible events.	0	0	1	0	4	0	0	20	0	80
5	Keep records on the development of business activities including turnover, marketing objectives, workforce, and business partners	0	0	1	2	2	0	0	20	40	40
Likert's Scale criteria											80%
KBLI Compliance Assessment Criteria 10293											8%

3.2 PT. Wirontono Baru

Wirontono Baru Banjarmasin City, South Kalimantan against the standard Indonesian field classification (KBLI 10293) is presented in the following Table 2.

The results of the analysis of the compliance level of the frozen shrimp industry at PT.

Table 2. Compliance Level Analysis PT. Wirontono Baru

No.	How to fulfill the General Requirements for Freezing Shrimp Business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Make a business plan	0	0	0	0	5	0	0	0	0	100
2	Type of business	0	0	0	5	0	0	0	0	100	0
3	Investment source and value	0	0	0	5	0	0	0	0	100	0
4	Type and origin of Raw Materials	0	0	0	5	0	0	0	0	100	0
5	The means of production used	0	1	0	0	4	0	20	0	0	80
6	Layout and description of the production process	0	0	1	2	2	0	0	20	40	40
7	Marketing area	0	0	0	3	2	0	0	0	60	40
8	Duration of business plan fulfillment	0	0	0	3	2	0	0	0	60	40
Likert's Scale criteria											86%
KBLI Compliance Assessment Criteria 10293											17.2%
No.	What are the special requirements for the shrimp freezing business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The SKP is no later than 3 (three) months after the issuance of the business permit	0	0	0	2	3	0	0	0	40	60
2	PMMT/HACCP Application Certificate as long as required in the export destination country is fulfilled at the time of export	0	0	0	3	2	0	0	0	60	40
3	Business activity report every 6 (six) months	0	0	0	1	4	0	0	0	20	80
4	Type and capacity of facilities and infrastructure, technology used	0	0	1	0	4	0	0	20	0	80
5	Turnover	0	0	1	1	3	0	0	20	20	60
6	Labor	0	0	0	2	3	0	0	0	40	60
7	Origin of raw materials	0	0	1	1	3	0	0	20	20	60
8	Shrimp type and volume	0	0	2	0	3	0	0	40	0	60
9	Type and volume of product produced	0	0	1	1	3	0	0	20	20	60
10	Utilizing incentives and investment, reports on the realization of capital and labor once every 3 (three) months	0	0	0	1	4	0	0	0	20	80
Likert's Scale criteria											90%
KBLI Compliance Assessment Criteria 10293											36%
No.	How to Fulfill Shrimp Freezing Facilities?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Fish processing personal protection equipment	0	0	0	1	4	0	0	0	20	80
2	Fish handling equipment	0	0	1	1	3	0	0	20	20	60
3	Condition of frozen shrimp cutlery	0	0	0	1	4	0	0	0	20	80
4	Condition of sanitation facilities (hand washing facilities)	0	0	0	1	4	0	0	0	20	80
5	Condition of fish processing room	0	0	2	0	3	0	0	40	0	60
6	Room condition/fish freezing equipment	0	0	4	0	1	0	0	80	0	20
7	Condition of packaging / packing room	0	0	2	1	2	0	0	40	20	40
8	Condition of packaging equipment / packing ; and frozen storage / cold storage .	0	0	3	2	0	0	0	60	40	0
Likert's Scale criteria											85%
KBLI Compliance Assessment Criteria 10293											8.5%
No.	How does the organizational structure and human resources of Freezing Shrimp fit?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The minimum organizational structure has operators, checkers quality and quality control	0	0	2	3	0	0	0	40	60	0
2	Competency requirements for human resources in carrying out this business have knowledge and ability in quality assurance systems and food safety	0	0	2	1	2	0	0	40	20	40
Likert's Scale criteria											76%
KBLI Compliance Assessment Criteria 10293											3.8%
No.	How is the shrimp freezing service?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Business and product information, starting from the procurement of raw materials, production processes, packaging and product delivery to consumers	0	0	3	0	2	0	0	60	0	40
2	The contact number that can be contacted is used as a consumer service or has online media for consumer services/complaints	0	0	1	1	3	0	0	20	20	60
Likert's Scale criteria											82%
KBLI Compliance Assessment Criteria 10293											4.1%
No.	What are the product/process/service requirements for freezing shrimp?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The product reaches a central temperature of -18°C (minus eighteen degrees Celsius) and is monitored for temperature.	0	0	3	0	2	0	0	60	0	40
Likert's Scale criteria											76%
KBLI Compliance Assessment Criteria 10293											7.6%
No.	How is the shrimp freezing business management system?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Establish and implement effective and documented procedures that include:	0	0	1	2	2	0	0	20	40	40
2	Planning	0	0	1	1	3	0	0	20	20	60
3	Communication with customers regarding input on services; And	0	0	1	2	2	0	0	20	40	40
4	Precautions: anticipate risks and possible events.	0	0	0	2	3	0	0	0	40	60
5	Keep records on the development of business activities including turnover, marketing objectives, workforce, and business partners	0	0	1	2	2	0	0	20	40	40
Likert's Scale criteria											86%
KBLI Compliance Assessment Criteria 10293											8.6%

Based on the results of the research analysis in Table 2 regarding the compliance level of the frozen shrimp industry at PT. Wirontono Baru have got the results of compliance criteria, namely the fulfillment of the general requirements for the shrimp freezing business 86% (very compliant), the specific requirements for the shrimp freezing business 90% (very compliant), the fulfillment of shrimp freezing facilities 85% (very compliant), the suitability of the organizational structure and human resources Shrimp freezing 76% (compliant), shrimp freezing services 82% (very compliant), shrimp freezing product/process/service requirements 76% (compliant) and shrimp freezing business management system 86% (very compliant). The average level is based on the Likert's scale criteria at PT. Wirontono Baru, namely 83% (very obedient). The total level of compliance at PT. Wirontono Baru based on the KBLI 10293 assessment criteria, namely 85.8% (very compliant).

This condition was supported by PT. Wirontono Baru has met the general business requirements, specific business requirements, fulfillment of facilities, suitability of the organizational structure and human resources, services and business management systems as stipulated in the Ministerial Regulation of the Republic of Indonesia No. 10 of 2021 concerning Standards for Business Activities and Products in the Implementation of Risk-Based Business Permits for the Maritime and Fisheries Sector. KBLI 10293.

Based on the results of research on data collection and supervision of the Fish Processing Unit (UPI) in the context of operational supervision of fishery product processing businesses at PT. Wirontono Baru already has a business license consisting of NIB and KBLI 10293. The Standard Certificate has not been verified. Assessment of technical compliance of business actors for KBLI 10293 was classified as very compliant and included in the medium to high classification which can be supervised 2 times a year.

3.3 PT. Yobel Utama Seafood Indonesia (YUSI)

The results of the analysis of the compliance level of the frozen shrimp industry at PT. Yobel Utama Seafood Indonesia (YUSI) Banjarmasin City, South Kalimantan against the Indonesian field standard classification (KBLI 10293) is presented in the following Table 3.

Based on the results of the research analysis in Table 3 regarding the compliance level of the frozen shrimp industry at PT. Yobel Utama Seafood Indonesia (YUSI) have got the results of compliance criteria, namely compliance with the general requirements for freezing shrimp business 89% (very compliant), specific requirements for shrimp freezing business 91% (very compliant), fulfillment of shrimp freezing facilities 90% (very compliant), structural suitability organization and human resources for freezing shrimp 74% (compliance), services for freezing shrimp 74% (compliance), product/process/service requirements for freezing shrimp 68% (compliance) and business management systems for freezing shrimp 75% (compliance). The average level of compliance of PT. Yobel Utama Seafood Indonesia (YUSI) based on Likert's scale criteria, namely 80% (compliant). The total value of the level of compliance based on the KBLI 10293 compliance assessment criteria is 84.9% (very compliant).

This condition was supported by PT. Yobel Utama Seafood Indonesia (YUSI) has met the general business requirements, specific business requirements, fulfillment of facilities, suitability of the organizational structure and human resources, services and business management systems as stipulated in the Ministerial Regulation of the Republic of Indonesia No. 10 of 2021 concerning Standards for Business Activities and Products in the Implementation of Business-Based Licensing Maritime and Fishery Sector Risks. From the results of data collection and supervision of the Fish Processing Unit (UPI) at PT. Yobel Utama Seafood Indonesia (PT. YUSI) already has a business license consisting of NIB and Standard Certificates. Standard certificate has not been verified. Assessment of technical compliance of business actors for KBLI 10293 complies with the medium-high classification which can be supervised 2 times a year.

Based on the results of the research, the 3 companies where data were collected had an KBLI 10293 compliance level of 80 -86%, which was interpreted as a level of obedience and very compliance [10]. Zamrud [6] Compliance with shrimp business actors can be measured by looking at the extent to which they own the basic licensing documents for business permits. According to Mukherjee et al. [11]. The level of compliance in the frozen shrimp industry refers to the extent to which companies in the industry

comply with applicable regulations, standards ensure food safety, product quality and guidelines. Good compliance is essential to consumer protection [12,13].

Table 3. Compliance Level Analysis PT. Yobel Utama Seafood Indonesia (YUSI)

No.	How to fulfill the General Requirements for Freezing Shrimp Business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Make a business plan	0	0	0	3	2	0	0	0	60	40
2	Type of business	0	0	0	5	0	0	0	0	100	0
3	Investment source and value	0	0	0	5	0	0	0	0	100	0
4	Type and origin of Raw Materials	0	0	0	3	2	0	0	0	60	40
5	The means of production used	0	0	0	0	5	0	0	0	0	100
6	Layout and description of the production process	0	0	0	4	1	0	0	0	80	20
7	Marketing area	0	0	0	3	2	0	0	0	60	40
8	Duration of business plan fulfillment	0	0	0	1	4	0	0	0	20	80
Likert's Scale criteria											89%
KBLI Compliance Assessment Criteria 10293											17.8%
No.	What are the special requirements for the shrimp freezing business?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The SKP is no later than 3 (three) months after the issuance of the business permit	0	0	0	1	4	0	0	0	20	80
2	PMMT/HACCP Application Certificate as long as required in the export destination country is fulfilled at the time of export	0	0	0	2	3	0	0	0	40	60
3	Business activity report every 6 (six) months	0	0	1	2	2	0	0	20	40	40
4	Type and capacity of facilities and infrastructure, technology used	0	0	0	1	4	0	0	0	20	80
5	Turnover	0	0	0	2	3	0	0	0	40	60
6	Labor	0	0	1	2	2	0	0	20	40	40
7	Origin of raw materials	0	0	1	1	3	0	0	20	20	60
8	Shrimp type and volume	0	0	1	2	2	0	0	20	40	40
9	Type and volume of product produced	0	0	0	1	4	0	0	0	20	80
10	Utilizing incentives and investment, reports on the realization of capital and labor once every 3 (three) months	0	0	0	0	5	0	0	0	0	100
Likert's Scale criteria											91%
KBLI Compliance Assessment Criteria 10293											36.5%
No.	How to Fulfill Shrimp Freezing Facilities?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Fish processing personal protection equipment	0	0	0	2	3	0	0	0	40	60
2	Fish handling equipment	0	0	0	1	4	0	0	0	20	80
3	Condition of frozen shrimp cutlery	0	0	0	0	5	0	0	0	0	100
4	Condition of sanitation facilities (hand washing facilities)	0	0	0	1	4	0	0	0	20	80
5	Condition of fish processing room	0	0	1	0	4	0	0	20	0	80
6	Room condition/fish freezing equipment	0	0	1	1	3	0	0	20	20	60
7	Condition of packaging / packing room	0	0	2	0	3	0	0	40	0	60
8	Condition of packaging equipment / packing ; and frozen storage / cold storage .	0	0	3	1	1	0	0	60	20	20
Likert's Scale criteria											90%
KBLI Compliance Assessment Criteria 10293											9%
No.	How does the organizational structure and human resources of Freezing Shrimp fit?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The minimum organizational structure has operators, checkers quality and quality control	0	0	3	0	2	0	0	60	0	40
2	Competency requirements for human resources in carrying out this business have knowledge and ability in quality assurance systems and food safety	0	0	2	3	0	0	0	40	60	0
Likert's Scale criteria											74%
KBLI Compliance Assessment Criteria 10293											3.7%
No.	How is the shrimp freezing service?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Business and product information, starting from the procurement of raw materials, production processes, packaging and product delivery to consumers	0	0	2	3	0	0	0	40	60	0
2	The contact number that can be contacted is used as a consumer service or has online media for consumer services/complaints	0	0	2	2	1	0	0	40	40	20
Likert's Scale criteria											74%
KBLI Compliance Assessment Criteria 10293											3.7%
No.	What are the product/process/service requirements for freezing shrimp?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	The product reaches a central temperature of -18°C (minus eighteen degrees Celsius) and is monitored for temperature.	0	0	3	0	2	0	0	60	0	40
Likert's Scale criteria											68%
KBLI Compliance Assessment Criteria 10293											6.8%
No.	How is the shrimp freezing business management system?	Score					Percentage (%)				
		1	2	3	4	5	1	2	3	4	5
1	Establish and implement effective and documented procedures that include:	0	0	1	1	3	0	0	20	20	60
2	Planning	0	0	5	0	0	0	0	100	0	0
3	Communication with customers regarding input on services; And	0	0	2	1	2	0	0	40	20	40
4	Precautions: anticipate risks and possible events.	0	0	4	1	0	0	0	80	20	0
5	Keep records on the development of business activities including turnover, marketing objectives, workforce, and business partners	0	0	1	2	2	0	0	20	40	40
Scale criteria likert's											75%
KBLI Compliance Assessment Criteria 10293											7.5%

4. CONCLUSION

The compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan is based on the Likert's scale criteria, namely 80 - 86% which means very obedient. The total compliance level of the frozen shrimp industry in Banjarmasin City, South Kalimantan is based on the KBLI 10293 Compliance assessment criteria, namely 80 -86% which means very obedient.

COMPETING INTERESTS

Authors have declared that no competing interests exist.

REFERENCES

1. Oliveira VAF, et al. A comparative study of the food safety compliance in shrimp processing plants in Brazil and the United States. *Food Control*. 2020;112: 107103.
DOI: 10.1016/j.foodcont.2020.107103
2. Damelia D. Forecasting the value of the rupiah against the US dollar to prepare for Indonesia's superior exports. *Economics Development Analysis Journal*. 2015; 4(2):1-11
3. Muchlas, Makmuri. *Organizational behavior*. UGM: Yogyakarta; 2005.
4. Bar ES. A case study of obstacles and enablers for green innovation in the fish processing equipment industry. *Journal of Cleaner Production*. 2015;90(1):234– 243.
Available: <https://doi.org/10.1016/j.jclepro.2014.11.055>
5. Anggraeni M, Saryono. *Qualitative and Quantitative Research Methodology in the Health Sector*. Yogyakarta: Nuha Medika; 2013.
6. Zamrud M, Tayang F, Jamil M, Chadidjah S, Besar B, Fish K, Quality P, Results K, Makassar P, Dakota J, 24 Sudiang N. Proceedings of the VII National Symposium on Maritime Affairs and Fisheries 2020 Faculty of Marine Sciences and Fisheries. In Hasanuddin University; 2020.
7. Regulation of the Minister of Maritime Affairs and Fisheries of the Republic of Indonesia Number 16/Permen-Kp/2016 concerning Fisherman Cards.
8. Tanjung R. Compliance with food safety regulations in the Indonesian shrimp processing industry: Evidence from North Java. *Food Control*. 2019;101: 23-30.
DOI: 10.1016/j.foodcont.2019.02.016
9. Sugiyono. *Research Hypothesis: Definition, Types, and Complete Examples*; 2017.
Available:<https://penerbitdepublish.com/Yogyakarta>
10. Kurnia M, Sudirman, Yusuf M. The Effect of Differences in the Size of the Hooks on the Catches of Longlines in the Waters of Sabutung Pangkep Island. *Marine Fisheries*. 2015;6(1):87-95.
11. Mukherjee A, et al. Determinants of compliance with food safety regulations in the seafood processing sector: Evidence from India. *Food Control*. 2019;100:146-154.
DOI: 10.1016/j.foodcont.2019.01.025
12. Ashari U, Sahara, Hartoyo S. Market Integration Analysis and Price Formation Factors for Indonesian Frozen Shrimp in International Markets. *Journal of Agricultural Economics and Agribusiness (JEPA)*. 2019;3(2):439-448.
13. Regulation of the Minister of Maritime Affairs and Fisheries of the Republic of Indonesia Number 6/Permen-Kp/2021 concerning Technical Instructions for Supervision of Businesses and Products in the Implementation of Risk-Based Business Licensing in the Fisheries Sector.

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