

Existence of Consumer Protection in the Katsuwonus Pelamis Process as a Safe Culinary

Telly Sumbu,^Ω Donald Albert Rumokoy, Wulanmas Anna Patricya Gracya Frederik

Universitas Sam Ratulangi, Indonesia

^Ωemail correspondence: tellysumbu@unsrat.ac.id

ABSTRACT

Katsuwonus Pelamis is a fishery commodity originating from the waters of the bay in Indonesia, Cakalang Fufu is a popular culinary dish with processed fish that is processed quickly, served fresh, frozen, canned, or dried, which has become the object of fishing for fishermen because it is considered profitable. The reality of management that does not have adequate quality control, while the paradigm of the entrance market is skipjack tuna management as soon as possible has been carefully tested for safety aspects before the product is released to the market. This action is a legal event that causes harm to consumers who are accommodated by legal protection. This study aims to describe the process of catching, storing, and marketing skipjack tuna as a safe food product from the perspective of consumer law protection, and to describe the forms of law enforcement against the circulation of unsafe food products. This research uses the type of research socio-legal research. The description of the research results shows that the process of catching, storing, and marketing skipjack tuna specifically in North Sulawesi still uses traditional methods, but the urgency and safety aspects of catching results cannot be guaranteed, including the process of storing and marketing skipjack tuna does not comply with the provisions. Standard procedures are ignored so that the impact of the expected information is given to consumers from the capture process to the final consumer.

Keywords: Law Enforcement; Consumer Protection; Safe Food;

Date of Submission: October 06, 2022 Date of Publication: March 3, 2023

DOI: http://dx.doi.org/10.56087/substantivejustice.v6i1.224

INTRODUCTION

Indonesia's coastal and marine areas hold a variety of resources, both renewable and non-renewable. (von Jouanne & Brekken, 2019) Coastal and marine resources that are renewable such as fisheries resources (captured fisheries, cultivation), mangroves, wave energy, tides, wind, and Ocean Thermal Energy Conversion (OTEC) require good management to be used optimally. The smoked skipjack/cakalang fufu is a favorite dish in Manado and North Sulawesi in general, and it is processed into popular skipjack tuna dishes that are typical to North Sulawesi. The smoked skipjack fish/cakalang fufu management business is a business that has





a very important and strategic position, potential, and role in realizing national development goals in general and the objectives of economic development in particular. These small businesses are generally the ones that are owned and managed independently by someone, are not bound, and do not dominate the market. (Liandi & Andryawan, 2022; von Jouanne & Brekken, 2019)

Skipjack tuna (*katsuwonus pelamis*) is fishery commodity from bay waters in Indonesia. (Ali et al., 2016) This particular type of fish has become the target of fishermen because it is considered profitable. (Liandi & Andryawan, 2022) The skipjack tuna is then sold fresh, frozen, canned, dried, or even smoked. The impact that arose due to the dynamic movement of small businesses was very large because it created jobs where there were innovations in the field of business and creativity in the processing of the smoked skipjack fish/*cakalang fufu*. However, the question is that along with the processing of the Skipjack Fish that can create jobs, is this product feasible to be categorized as a safe food product that is not harmful to health and is safe for consumption by consumers? (Abel et al., 2022; Chintagari et al., 2018; Wallace et al., 2018)

The focus point of the smoked skipjack fish/cakalang fufu fish as a safe product is the process of catching, preparing, storing, and marketing raw skipjack fish, as well as the processing and management of the smoked skipjack fish/cakalang fufu. Thus, in order to assess the feasibility of Skipjack Fish products as safe food products that are not dangerous to consume, of course, the assessment must go through the process of Catching, Storing, and through to reaching the Marketing Raw Skipjack Fish.

Safe food products in the smoked skipjack fish/cakalang fufu production business through the process of catching, storing, and though to reaching Marketing of raw skipjack fish become a very important focus of attention in interpreting Law Number 8 of 1999 concerning Consumer Protection. (Hasan, 2014; Konsumen & Maulidia, 2013; Purnamasari et al., 2019) This is so that producers are required to be careful before releasing their products. This situation certainly requires quality control of the management business of skipjack fish as a safe food product, given that the management of skipjack fish is at the maximal without there being a careful examination of aspects of consumer security and safety before the product is released into the market.

The reality of the 'product out' paradigm is that from the process of catching, storing, and until reaching the marketing of raw skipjack fish before arriving at the processing of smoked skipjack fish/cakalang fufu, it is without adequate quality control, and the 'market in' paradigm is to examine tuna fish management carefully for its safety aspects before the product is released into the market.

METHOD

This type of research is a qualitative type with a socio-legal approach and then analyzed descriptively qualitatively by describing, explaining, and describing the various factors revealed through a juridical approach. The juridical approach is intended as an effort to bring the problem



closer to the normative of law. The doctrinal legal approach is the perspective used, namely by studying legal objectives, values of justice, the validity of legal rules, legal concepts, and legal norms. The sociological approach is carried out through efforts to identify and conceptualize law as a real and functional institution in the pattern of community life. Then referring to the juridical sociological approach, this research uses layered research by tracing the management of skipjack food products.

ANALYSIS AND DISCUSSION

The handling aspects when fish are caught are very important things to consider, especially in fisheries because it involves how to get good quality fish. Good quality products that can be maintained consistently will increase consumer confidence. (Abiala et al., 2020) The quality aspect is one aspect that is very important in advancing the world of Indonesian fisheries in international markets. (Adam, 2018) Added that in the management of fish quality since the fish was caught up to the marketing it was very important to be understood by the related actors both fishermen, collectors, and marketing.

Fisheries are all activities related to the management and utilization of fish resources and the environment ranging from pre-production, production, and processing to marketing carried out in a fisheries business system. Fish are all types of organisms that all or part of their life cycle is in the aquatic environment. A good way of handling fish is a way of handling fish caught on board a ship including dismantling from the ship to meet the requirements for quality and safety assurance of fishery products, which are carried out quickly, carefully, hygienically and applying cold chain handling methods. The method of catching is carried out by fishermen who are Indonesian citizens, both individuals and their families whose livelihoods depend on fishing.

The survey results that the researcher can explain are as follows:

- Catching using sailboats (2.5%), outboard motorboats (35%), and large motorboats (62.5%).
 The fishing gear used by fishermen is fishing rods (2.5%), nets (62.5%), and fishing lines (35%). Fishermen in Manado and the surrounding do not use chemicals (fish bombs) in the process of catching fish.
 - The fishing community in the fishing business still uses traditional equipment. This
 can be seen from the fleet that is used on average which is of small size. The fishing
 gear used is also only nets and fishing rods.
- 2. The main types of fish caught are skipjack fish. Other types of fish are as follows: tuna, mackerel (*tude*), flying fish (*malalugis*), and grouper (*goropa*).
- 3. The number of fish obtained varies between fishermen based on the facilities used and also the seasonal factor. The fish obtained range from 35kg/day to 6000kg/day.



- The dominant type of fish caught with a net or fishing rod is the skipjack tuna or
 Katsuwonus Pelamis. The skipjack fish are found in almost all Indonesian waters,
 especially in the Eastern part of Indonesia.
- 4. The catch is stored in a cooler box, a bucket with ice, or a basket. To maintain its quality, in addition to using ice to keep the temperature cool, salt is also used. After arriving on land, fish are immediately sold out.
 - The freshness of the fish that has just died is the maximum level of freshness, meaning that the freshness of the fish cannot be increased but can only be sustained through the application of good and right post-capture handling principles.
 - The process of handling fish with cooling methods is the most effective and widely used method. The most effective cooling medium for fish freshness is ice because it does not cause any physical changes in fish.
- 5. Fishermen sell fish to retailers or directly to consumers. Sale conditions are frozen or not. Sale times vary from 1 hour to 18 hours. This affects the quality of the fish.

In connection with the quality of fish, of course, it must be in accordance with the Fishery Product Quality and Security Assurance System which is a prevention and control effort that must be considered and carried out from pre-production to distribution to produce quality fisheries that are safe for human health. Fishery Products are Fish that are handled, processed, and/or used as final products in the form of Fresh Fish, Frozen Fish, and other processed products.

The Fishery Product Quality and Security Assurance System include activities such as:

- Development and application of requirements or standards of Raw Materials. Raw Materials
 are Fish including those that come from the catch and cultivation which can be used as a
 production factor in the processing of Fishery Products.
- Development and application of hygienic requirements or standards, handling techniques, and processing techniques. Fish Processing is a series of activities and/or treatments of Raw Fish Materials to be the final product for human consumption.
- 3. Development and application of product quality requirements or standards.
- 4. Development and application of requirements or standards of facilities and infrastructure.
- 5. Development and application of requirements or standard testing methods.
- 6. Quality Control; Quality Control is all activities that include inspection, verification, audit, and sampling in order to provide satisfactory results.
- 7. Quality Supervision is all activities that include guidance, facilitation, monitoring, and evaluation of the quality and safety of the Fishery Products.
- 8. Certification is a series of certificate issuance activities for products, facilities and infrastructure, processes and personnel as well as the quality system.

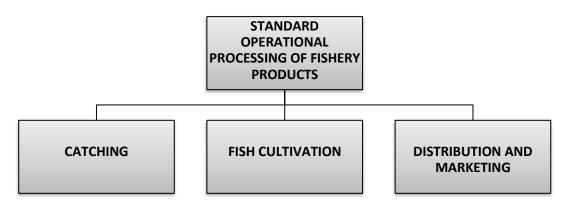


As for the standard operating procedure for processing skipjack fish which are good safe food products, researchers depart from Law Number 18 of 2012, Article 68 Paragraph (1) which is the explanation states:

- What is meant by "food chain" is the sequence of stages and operations in the production, processing, distribution, storage, and handling of Food and its raw materials ranging from production to consumption, including materials related to Food so that the Food is ready for consumption.
- 2. What is meant by "in an integrated manner" is the implementation of Food Safety must be carried out in an integrated and synergistic manner by all stakeholders in each Food chain.

Then, departing from the Food Chain mentioned above, the researcher tries to compile a Standard Operating Procedure for Processing the Skipjack Fish Product which is described as follows:

Standard Operating Procedure for Processing Skipjack Fishery Products



According to the researcher, the element of fish caught should be included as a main part of the Standard Operating Procedure for Processing Skipjack Fish Products. This is intended because food security is inseparable from good fishing methods. If fishermen obey the rules in fishing, of course, the fish catch contains food security. In connection with fishing, the researcher has explained in the previous section, hereinafter relating to fish cultivators, are Indonesian citizens, both individuals and their families whose livelihoods are raising, breeding, and/or maintaining fish and other aquatic biological resources and harvesting the results in a controlled environment.

There are good ways to cultivate fish, among them is a method of cultivation including how to maintain and/or raise fish and harvest them that show the safety aspects of fishery products, among others: (George Dieter Nakmofa, 2014; M. R Siombo, 2007; Marhaeni Ria Siombo, 2010, 2011)

1. Preventing land use where the environment has the potential to threaten the security of Fishery Products;



- Controlling biological contamination, pests, and fish diseases that threaten the security of fishery products; and
- 3. Minimizing the already minimum chemical residues as a result of the use of fish drugs, growth-promoting ingredients, and ineffective fish medicines.
- 4. Harvesting equipment uses materials that do not physically damage, are not made from toxic and dangerous materials, have the potential to contaminate the product, are not easily corrosive, and are easy to clean; and
- 5. The manner of harvest is done quickly and carefully, with hygienic, and apply cold chain handling methods.

Furthermore, the matter of Distribution and Marketing, of course, cannot be separated from Food Trade, that is every activity or series of activities in the context of selling and/or purchasing Food, which include offers to sell Food transferred by obtaining compensation.

In connection with the statement above, Article 71 Paragraph (1) of Act Number 18 of 2012, states that: Every person involved in the Food chain is obliged to control the risk of harm to Food, whether it comes from ingredients, equipment, production facilities, or from individuals so that Food Safety is guaranteed. Subsequently, Paragraph (2) states that: Every person who organizes activities or process of production, storage, transportation, and/or distribution of Food must: Meet Sanitation Requirements; and guarantee Food Safety and/or human safety. (Zimmermann, 2021) The Government guarantees the realization of the implementation of Food Safety in each Food chain in an integrated manner. The Government establishes Food Safety norms, standards, procedures, and criteria. Farmers, Fishermen, Fish Cultivators, and Food Business Actors must implement Food Safety norms, standards, procedures, and criteria. The application of Food Safety norms, standards, procedures, and criteria is carried out in stages based on the type of Food and Food business scale, and the Government must develop and supervise the implementation of Food Safety norms, standards, procedures, and criteria. (Njatrijani, 2021; Widiyaningsih, 2018)

Food Safety is held to keep food safe, hygienic, good quality, nutritious, and not against the religion, beliefs, and culture of the community. Food Safety is intended to prevent the possibility of biological, chemical, and other contaminants that can interfere with, harm, and endanger human health. (Arif, 2018)

Food Safety is carried out through:

- 1. Food Sanitation;
- 2. regulation of food additives;
- 3. regulation of genetically engineered food products;
- 4. regulation of Food Irradiation;
- 5. the standard setting of Food Packaging;
- 6. guaranteeing Food Safety and Food Quality; and



7. guaranteeing halal products for those that are required.

Food sanitation is done so that Food is safe for consumption, carried out in the activities or process of production, storage, transportation, and/or distribution of Food., it must meet the requirements of Food Safety standards. (Haerani & Nurcahyo, 2019) The process of observation rather than the implementation of all organizational activities to ensure that all work is being carried out goes according to a predetermined plan. Supervision is a process that determines what must be done, so that what must be done, or so that what will be done is in line with the plan. A process for determining what work has been carried out, assessing and correcting it if necessary, with the intention of carrying out the work in accordance with the original plan. Supervision is every effort and action in order to find out how far the implementation of the task is carried out according to the provisions and objectives to be achieved. (Cohen, 2019; Dove & Bryant, 2019)

In relation to the Fishery, Product Quality Control System has experienced quite a rapid development. However, the national fishery product quality control system that has been implemented so far seems to still require sharpening and feedback so that its implementation is more effective and efficient. This is intended to unite the pace of all levels and networks of the Quality of Fishery Quality Supervisors, especially in terms of the similarity of perceptions about the importance of implementing quality assurance for Fishery Products related to food safety and quality. In addition, it is necessary to harmonize understandings in the application of Quality Supervision by Quality Supervisors, both at the center and in various regions throughout Indonesia, as well as refinement of several related documents.

In Law Number 31 of 2004 concerning Fisheries as amended by Law Number 45 of 2009 concerning the Amendment of Law Number 31 of 2004 concerning Fisheries it is expressly regulated that the Fisheries business is carried out in the Fisheries business system which includes pre-production, production, processing, and marketing. Furthermore, it is also stipulated that the Fish Processing and Processed Fish Products process must meet the requirements for Fish Processing Feasibility and Fishery Products Quality and Safety Assurance System. As an effort to implement and operationalize the mandate of the Act in question, more regulations are needed in continuing regarding processing, Quality of Fishery Products, and Security Assurance System, so that it is based on the stipulation of Government Regulation concerning Fishery Product Quality and Safety Assurance System and Increasing the Added Value of Fishery Products.

The Quality Fishery Product and Safety Assurance System is a prevention and control effort that must be considered and carried out from pre-production to distribution to producing good quality fisheries that are safe for human health. Quality Control covers all activities which include inspection, verification, surveillance, audit, and sampling in order to guarantee the quality and safety of the Fishery Products.



In the Republic of Indonesia's Government Regulation No. 57 of 2015 concerning the system for guaranteeing the quality and safety of fishery products and increasing the added value of fishery products, in this case, fisheries are all activities related to the management and utilization of fish resources and the environment starting from pre-production, production, processing to marketing carried out in a fisheries business system. Raw fish materials include the parts that come from the catch and cultivation that can be used as a factor of production in the processing of Fishery Products. Fish are all types of organisms that all or part of their life cycle is in the aquatic environment. Again, talking about quality control in the field of fisheries, the quality control activities, through:

- Quality Supervision is carried out on cultivation or capture activities, handling, processing, packaging, storage, and distribution of Fishery Products.
- 2. Quality Supervision is carried out through the:
 - guidance in the preparation of procedures and application of requirements for cultivation or capture, handling, processing, packaging, storage, and distribution;
 - guidance and facilitation in document preparation, validation, and quality system implementation; and
 - monitoring and evaluation of the quality and safety of products for consumption.
- 3. Quality Supervision Results in the form of recommendations for issuing a Feasibility Processing certificate.
- Quality Supervision is carried out by the Quality Supervisor. Quality Supervisors are civil servants who are appointed by the Minister or officials who are then appointed to carry out Quality Control.

According to the Republic of Indonesia's Government Regulation No. 58 of 2001 concerning Guidance and Supervision of the Implementation of consumer Protection, Article 7 states that Supervision of the implementation of consumer protection and the application of statutory regulations is carried out by the government, the community, and non-governmental consumer protection institutions. Supervision is carried out by means of research, testing, and/or surveys. Research, testing, and/or surveys as intended are carried out on goods that are allegedly not fulfilling the elements of security, health, comfort, and safety of consumers.

With regard to Quality Supervision, the Researcher has presented Sensory Analysis Sheets Based on the Indonesian National Standart 01-2729-1992 on the quality of fish as follows, the sensory quality of skipjack fish sold in the markets in Manado and its surroundings, the results of the analysis show that the value of quality ranges from 6-8, with the following assessment criteria score of 7-9 is stated to be fresh, the score of 4-6 is stated to be somewhat fresh, the score of 1-3 id stated to be not fresh. Law enforcement of Fishery Activities that Violate the Law are:



- 1. Fishery activities conducted by foreign people or ships in water that are part of the jurisdiction of a certain country without permission from the said country or that are contrary to the laws and regulations of said country;
- 2. Fishery activities are carried out by ships that are flying the flag of a country that is a member of a regional fisheries management organization but are carried out in a manner that is contrary to the regulation concerning the management and conservation of resources adopted by the organization, where the provisions are binding on the country that is a member, or contrary to other relevant international laws; and/or
- 3. Fishery activities that are contrary to national law or international obligations, including the obligations of member states of regional fisheries management organizations towards the said organization.

"Unreported Fishery activities" are:

- a.i.1. Fishery activities that are not reported or are reported incorrectly to the authorized national authorities, which are contrary to the laws and regulations of the authorized national authorities; and/or
- a.i.2. Fishery activities carried out in the area of competence of regional fisheries management organizations that are not reported or are reported incorrectly, which is contrary to the reporting procedures of the organization.

Unregulated Fishery activities are:

- 1. Fishery activities carried out in the area of competence of regional fisheries management organizations by:
 - a) a ship without nationality;
 - b) ships that fly the flag of a country that is not a member of the regional fisheries management organization; or
 - c) Fishery companies, in which the fishery activities are carried out in a manner that is contrary to the regulations concerning the conservation and management of fisheries of the regional fisheries management organization.
- 2. Fishery activities carried out by:
 - a) a ship without nationality;
 - b) ships that fly the flag of a country that is not a member of the regional fisheries management organization; or
 - c) Fishery Companies,
 - d) in territorial waters or for fish stocks where there are no regulations concerning the conservation and management of fisheries which can be applied and carried out in a manner that is contrary to the responsibility of the state to conserve live marine as a form of natural resources based on international law.



The law is an association of ideas, values, and concepts that are abstract, and to realize it as an institution in life is a process that is strongly influenced by:

- 1. Humans as Law Makers, Law Enforcement Officials with Bureaucracy;
- 2. Community Structure; and
- 3. Institutions/Organizations.

Of the 3 (three) elements mentioned above, the implementation cannot be separated from the influence of the environment in the form of certain patterns and behaviors of the community. The law, in carrying out its function as a regulator of common life, runs a long process and involves a variety of activities with different qualities and the outline of the activity is in the form of law-making and law enforcement. The law in this sense is not the law in the broad sense, but the law in a positive sense, namely written regulations or legislation that apply in a certain place, in this case in Indonesia. Factors that affect law enforcement are: (1) The legal factor itself, namely the legislation. (2) The law enforcement factor, namely those who form or apply the law (government and law enforcement officers). (3) The factors of facilities and infrastructure that support law enforcement. (4) The cultural factor.

The success of law enforcement always requires the functioning of all components of the legal system. Law Enforcement System for the Marketing of Skipjack Fish as a Safe Food Product can be described as follows:

- 1. The legal substance component is Law No. 8 of 1999 concerning the Law of Consumer Protection.
 - Article 1:1 of the Consumer Protection Act states that: Consumer protection is all efforts that guarantee legal certainty to provide protection to consumers.
 - Article 4 of the Consumer Protection Act states that: Consumer rights are the right to comfort, security, and safety in consuming goods and/or services.
 - Article 7 of the Consumer Protection Act states that: The obligations of business actors are good faith in carrying out their business activities.
 - Article 8:2 of the Consumer Protection Act states that: Business actors are
 prohibited from trading damaged, defective or used, and polluted goods without
 providing complete and correct information on the said goods.
 - Article 19 of the Consumer Protection Act states that: Business actors are responsible for providing compensation for damage, pollution, and/or services produced or traded.
- 2. The legal structure component is:
 - In connection with the foregoing, the law cannot be upheld if there is no credible, competent, and independent legal apparatus. If the law is not supported by a good legal apparatus, then justice is only wishful thinking. The weakness of the legal apparatus mentality has resulted in the application, implementation, and



enforcement of the law not working properly. Many factors influence the weakness of the legal apparatus mentality. Even though the regulations are good, if the quality of law enforcement is low, there will be problems. There is an adage that states that *fiat justitia et pereat mundus* meaning even though the world is collapsing the law must be upheld. The law cannot be upheld if there are no law enforcement officers who are credible, competent, and independent. If the law is not supported by a good law enforcement officer, then justice is only wishful thinking. This means that a legal structure is needed in the application, implementation, and law enforcement of the law.

- However, on a practical level, there are several problems that exist, namely:
- Weak coordination between the Government Vertically, namely the Central Government: The Directorate General of Consumer Protection at the Central Ministry of Trade with Regional Governments: the Field of Consumer Protection of North Sulawesi Industry and Trade Service; and horizontally, namely the North Sulawesi Industry and Trade Service the North Sulawesi Special Criminal Investigation Directorate the North Sulawesi POM Agency.
- The lack of human resource stakeholders in carrying out their duties as Investigators in Consumer Protection Law Enforcement.
- Weak public service.
- The local government has not provided the means and facilities for the Consumer Dispute Settlement Agency.

3. The legal culture component is:

- Diversity of ideas about the law that exist in various societies and their position in the social order. These ideas explain legal practices, the attitude of citizens towards the law and unwillingness to file cases, and relative legal significance, in explaining broader thoughts and behaviors outside of practice and specific forms of discourse related to legal institutions. Thus, variations in legal culture may be able to explain a lot about the different ways in which legal institutions that appear to be the same can function in different societies.
- In connection with the purpose of this study, the indicator of legal culture is a measure from researchers to trace the effectiveness of Law Number 8 of 1999 concerning Consumer Protection.
- Based on facts found in the field, the following are discovered:
 - The existence of Culture set and mindset stakeholders have not fully supported a bureaucracy that is efficient and effective, productive and professional.



- ii. The weakness of the legal apparatus mentality has resulted in law enforcement not working as it should.
- iii. Weak public service from stakeholders.
- iv. The stakeholder of the Human Resources factor is not yet competent.
- v. The performance of government organizations is still low.
- vi. The Monitoring System has not yet run optimally.
- vii. Performance accountability is not yet effective therefore the legislation still overlaps.
- viii. Weak coordination vertically, namely the Central Government: The Directorate General of Consumer Protection at the Ministry of Trade with the Regional Government: the Consumer Protection Sector of the North Sulawesi Industry and Trade Office; and horizontally, namely the North Sulawesi Industry and Trade Service the North Sulawesi Special Criminal Investigation Directorate the North Sulawesi POM Agency.
- ix. The lack of attention from stakeholders in implementing Law No. 8 of 1999 concerning Consumer Protection.
- x. The lack of public awareness of Law No. 8 of 1999 concerning the Law on Consumer Protection.

The field conditions stated above indicate a lack of legal culture from both stakeholders and citizens. This is certainly an inhibiting factor in Consumer Protection Law Enforcement. This is intended, that if the Government and society have had a positive value, then the law will be well received, on the contrary, if it is negative, the community will oppose and stay away from the law and might even consider that the law does not exist. Legal culture is closely related to public legal awareness. The higher legal awareness of the community will create a good legal culture and can change the mindset of the public regarding the law. In simple terms, the level of compliance with the law is one indicator of the functioning of the law.

CONCLUSION

The process of catching, storing, and marketing skipjack tuna in North Sulawesi still uses traditional methods where the health and safety aspects of the catch cannot be ascertained, and the storage and marketing process for skipjack tuna is not in accordance with the appropriate standard operating procedures so that the impact on the incorrect information provided to the consumer and the process of catching, storing and marketing skipjack tuna in North Sulawesi still uses traditional methods where the health and safety aspects of the catch cannot be ascertained and the storage and marketing process for skipjack tuna is not in accordance with the appropriate standard operating procedures so that the impact on the incorrect information provided to the consumer. And the suggestions that the author gives are in the context of Consumer Protection Law Enforcement in North Sulawesi, the vertical coordination of the shareholders is needed,



namely: the Central Ministry of Trade and the North Sulawesi Trade Industry Service; as well as horizontally, namely the North Sulawesi Trade Industry Service - North Sulawesi Special Criminal Investigation Directorate - North Sulawesi Food and Drug Supervisory Agency. There needs to be the empowerment of Human Resources for Civil Servant Investigators because all this time there has been a lack of human resources for stakeholders in carrying out their duties as Investigators of Civil Servants in Consumer Protection Law Enforcement. It is necessary to establish a Consumer Dispute Settlement Agency in Consumer Protection Law Enforcement.

REFERENCE

- Abel, N., Rotabakk, B. T., & Lerfall, J. (2022). Mild processing of seafood—A review. *Comprehensive Reviews in Food Science and Food Safety*, 21(1), 340–370. https://doi.org/10.1111/1541-4337.12876
- Abiala, M. A., Okusanya, A. M., Olanbiwoninu, A. A., Abiala, O. A., & Ibadin, F. H. (2020). Mycodeterioration of Smoke-Dried African Catfish (Clarias gariepinus) Stored at Ambient Temperature. *Microbiology Research Journal International*, *December*, 42–52. https://doi.org/10.9734/mrji/2020/v30i1130282
- Adam, L. (2018). Hambatan dan Strategi Peningkatan Ekspor Produk Perikanan Indonesia. *Kajian*, 23(1), 17–26. https://doi.org/10.22212/kajian.v23i1.1871
- Ali, M. Y., Jung, H. J., Jannat, S., Jung, H. A., & Choi, J. S. (2016). In Vitro Antidiabetic and Antioxidant Potential of the Ethanolic Extract of Skipjack Tuna (Katsuwonus Pelamis) Heart. *Journal of Food Biochemistry*, 40(4), 583–592. https://doi.org/10.1111/jfbc.12257
- Arif, A. Al. (2018). Exploring the legal status and key features of ecosystem-based fisheries management in international fisheries law. Review of European, Comparative & International Environmental Law, 27(3), 320–331. https://doi.org/https://doi.org/10.1111/reel.12254
- Chintagari, S., Hazard, N., Edwards, G., Jadeja, R., & Janes, M. (2018). Risks Associated with Fish and Seafood. In *Preharvest Food Safety* (pp. 123–142). https://doi.org/10.1128/9781555819644.ch7
- Cohen, M. A. (2019). Punishing Corporations. In *The Handbook of White-Collar Crime* (pp. 314–333). https://doi.org/https://doi.org/10.1002/9781118775004.ch20
- Dove, L. R., & Bryant, N. P. (2019). Welcome, Y'all! Introducing Legal Environment and Business Ethics Courses with Paula Deen. *Journal of Legal Studies Education*, *36*(2), 189–211. https://doi.org/https://doi.org/10.1111/jlse.12092
- George Dieter Nakmofa. (2014). Penegakan Hukum Bagi Pelaku Pengeboman Ikan Di Kabupaten Flores Timur. *Masalah-Masalah Hukum*, *43*(4), 576-583–583. https://doi.org/10.14710/mmh.43.4.2014.576-583
- Haerani, Y., & Nurcahyo, E. (2019). Legal review of procurement authorization of the imported



- fresh food, fruit and vegetable. *Jurnal Hukum Volkgeist*, *4*(1), 82–92. https://doi.org/10.35326/volkgeist.v4i1.429
- Hasan, K. S. (2014). Kepastian Hukum Sertifikasi dan Labelisasi Halal Produk Pangan. *Jurnal Dinamika Hukum*, *14*(2), 227–238. https://doi.org/10.20884/1.JDH.2014.14.2.292
- Konsumen, B., & Maulidia, R. (2013). Urgensi Regulasi dan Edukasi Produk Halal Bagi Konsumen. Justicia Islamica: Jurnal Kajian Hukum Dan Sosial, 10(2). https://doi.org/10.21154/JUSTICIA.V10I2.153
- Liandi, A., & Andryawan, A. (2022). Penerapan Hukum Terhadap Penangkapan Ikan pada Wilayah Laut Indonesia Guna Menjaga Keberlanjutan Perikanan. *PROSIDING SERINA*, 2(1), 229–238. https://doi.org/10.24912/PSERINA.V2I1.18534
- Njatrijani, R. (2021). Pengawasan Keamanan Makanan. *Law, Development and Justice Review*, 4(1). https://doi.org/10.14710/ldjr.v4i1.11076
- Purnamasari, R., Solihan, S., & Azzahra, V. (2019). Efektivitas Penegakan Hukum Terhadap Produsen Makanan di Indonesia. *Jurnal Gagasan Hukum*, *1*(02), 146–161. https://doi.org/10.31849/JGH.V1I02.7696
- Siombo, M. R. (2007). Pendayagunaan Hukum Dalam Mengatasi Perilaku Tidak Ramah Lingkungan dalam Pemanfaatan Sumberdaya Ikan. 502–508. https://doi.org/10.14710/mmh.40.4.2011.502-508
- Siombo, Marhaeni Ria. (2010). *Hukum Perikanan Nasional dan Internasional*. Gramedia Pustaka Utama.
- Siombo, Marhaeni Ria. (2011). Kearifan Lokal dalam Perspektif Hukum Lingkungan. *Jurnal Hukum IUS QUIA IUSTUM*, 18(3 SE-Articles), 428–443. https://doi.org/10.20885/iustum.vol18.iss3.art7
- von Jouanne, A., & Brekken, T. K. A. (2019). Ocean And Geothermal Renewable Energy Systems. In *Power Electronics in Renewable Energy Systems and Smart Grid* (pp. 391–441). https://doi.org/10.1002/9781119515661.ch8
- Wallace, C. A., Sperber, W. H., & Mortimore, S. E. (2018). Consumer Food Safety. In *Food Safety for the 21st Century* (pp. 355–369). https://doi.org/10.1002/9781119053569.ch18
- Widiyaningsih, W. (2018). Tanggung Jawab Pelaku Usaha Pangan Siap Saji Dihubungkan Dengan Asas Keamanan Dan Keselamatan Konsumen. *Syiar Hukum: Jurnal Ilmu Hukum*, 16(2), 233–251. https://doi.org/10.29313/SH.V16I2.5357
- Zimmermann, R. (2021). The World Health Organization as actor in international environmental law? An analysis by example of the global waste challenge. *Review of European, Comparative & International Environmental Law, 30*(3), 363–374. https://doi.org/https://doi.org/10.1111/reel.12415