

PARADIGM SHIFT FROM CAVEAT EMPTOR TO CAVEAT VENDITOR IN CONSUMER FOOD RIGHTS PROTECTION

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ABSTRACT

This study analyzes the paradigm shift from caveat emptor to caveat venditor in the protection of consumer food rights in Indonesia to formulate a holistic regulatory model. Using a mixed-methods sequential explanatory approach, the study examined regulations (Law No. 8/1999 and the Food Law), court decisions for the 2019–2024 period, and empirical data from consumers, producers, and regulators through surveys, interviews, and legal analysis. The findings reveal three systemic dysfunctions that hinder the implementation of caveat venders: regulatory asymmetry (73% of derivative regulations without proportionate sanctions and 60% of court decisions still burden proof on consumers), polarization of implementation between business actors (only 30% of corporate products meet labeling standards), and failure of restitution (73% of consumers do not receive full compensation and 82% of new product recalls are made after the emergence of victims). Low consumer legal literacy and regulatory gaps exacerbate this condition. It was concluded that the paradigm shift to caveat venditor has not been optimal due to five critical factors: weakness of regulatory design, reactive law enforcement, inaccessible justice mechanisms, information asymmetry, and low legal literacy. The effectiveness of consumer food rights protection requires comprehensive reform through regulatory harmonization, increasing the adaptive capacity of business actors, and strengthening pro-consumer access to justice.

Keywords: Paradigm Shift, Caveat Emptor, Caveat Venditor, Food Consumer Protection, Holistic Regulation.

1. INTRODUCTION

The ease of international trade through e-commerce platforms has caused a surge in imported food products entering Indonesia. This is partly due to the convenience and variety offered by online marketplaces, which attract consumers to buy foreign goods (Soeyatno et al., 2024). However, this wave of imported products also brings new challenges related to safety, authenticity, and quality assurance, which demand a more robust legal framework. In the context of this market disruption, the protection of consumer rights in the food sector has undergone a significant evolution towards more balanced justice through the transformation of the legal paradigm (Sato et al., 2025). The shift from caveat emptor to caveat venditor reflects the increased responsibility of sellers in ensuring product safety and quality, as well as providing stronger legal protections for consumers. It is part of the evolving evolution of business ethics to adapt to changing environments and the expectations of modern society (Wang & Tan, 2023). Contemporary producer-consumer relations are increasingly colored by producer responsibility as a form of recognition of consumers' fundamental right to safe and informative food (Sheridan et al., 2008). The adoption of the caveat venditor principle in the dynamics of the food market reflects a global commitment to consumer empowerment and the sustainability of consumer protection systems (Amasah et al., 2022). This paradigmatic transformation is the progressive foundation for the creation of a fair transaction ecosystem, where producers actively ensure the fulfillment of consumers' food rights as part of corporate obligations (Dussauge, 2025).

Despite the paradigm shift to caveat, information asymmetry between producers and consumers in the food industry is still often used to hide product risks, composition, or expiration dates, thereby hindering the fulfillment of consumers' rights to honest and transparent information (Socoliuc et al., 2022). The weak supervision and law enforcement mechanism for food producers' obligations causes the caveat venditor principle to not fully guarantee product safety, as evidenced by the numerous instances of food not meeting food safety standards that endanger consumer health. There are significant challenges in enforcing food safety regulations, including inconsistent definitions, scattered oversight, and inadequate resources (Pacholczyk-Sienicka, 2024). These issues contribute to continued food safety violations and undermine consumer



confidence (Lu et al., 2024). The unequal bargaining position of consumers in dealing with large food corporations makes it difficult to prosecute rights when violations occur, especially in proving the manufacturer's negligence (burden of proof), so that the caveat venditor principle has not been optimal to protect vulnerable consumers (Sánchez Hernández, 2022). The limitations of legal literacy and consumer awareness about their right to safe and quality food have a significant impact on the enforcement of the caveat venditor principle. This results in a lack of proactive compliance from manufacturers. Improving consumer education, improving regulatory frameworks, and addressing legal deficiencies are important steps to empower consumers and ensure food safety. Increased awareness and understanding of food safety can drive better compliance from producers and ultimately protect consumer health (Madilo et al., 2024). Inconsistencies in the application of sanctions for violations of consumer rights are a complex issue influenced by national policies, the balance between public and private law enforcement, and the specific legal framework that applies. To improve consumer protection, more harmonious and bold measures are needed that ensure effective, proportionate and deterrent sanctions across Member States (Steennot, 2020). In the context of food safety, the lack of effective oversight and enforcement of labeling requirements has led to widespread noncompliance, which further weakens the deterrent effect and leaves consumers vulnerable to the risks associated with unlabeled food products (Tahir et al., 2023).

This research is crucial to overcome systemic failures in the implementation of the caveat venditor principle, which includes information asymmetry, weak law enforcement, and consumer powerlessness as a strategic issue, considering that the fulfillment of the right to safe food is a non-derogable human right (Agung Prasetyo, 2022). The integration of risk-based supervision with the concept of burden reversal of proof and digital legal literacy platforms offers a comprehensive solution to improve Indonesia's food security system (Dhal & Kar, 2025). This approach not only improves food security but also ensures all stakeholders are informed and accountable, leading to a safer and more reliable food supply chain (Gravitiani et al., 2025). This research aims to formulate a holistic regulatory model that integrates proactive law enforcement, progressive sanctions based on health hazards, and consumer empowerment. This approach will help create a balanced and effective food safety system that protects consumers and holds producers accountable (Dudeja & Singh, 2017).

2. METHOD

This study adopts a mixed-methods sequential explanatory design approach to answer the complexity of the paradigm shift from caveat emptor to caveat venditor (Wipulanusat et al., 2020). The initial stage involves the implementation of a quantitative explanatory survey to map consumer food protection practices empirically. This survey aims to collect data on various aspects of food handling, storage, and consumption practices among consumers. For example, a study in the Netherlands used a food consumption and handling survey to collect quantitative data on consumer practices, which included the status of processing in retail, storage, preparation, and consumption by consumers (Chardon & Swart, 2016). The second integration is to review applicable laws and regulations related to food safety and consumer protection. For example, studies have analyzed legal frameworks governing food safety, such as the Codex Alimentarius and the WTO's SPS and TBT Conventions, to understand their application and enforcement at the national level (Silvee & Wu, 2023).

The research population includes two main scopes: doctrinal (all food consumer protection regulations, such as Law No. 8/1999, the Food Law, and court decisions for the 2019–2024 period) and empirical (food consumers in five provinces prioritized for food security, MSME producers/corporations, and regulators such as BPOM/Health Office). Sampling was carried out in a combined manner using total sampling for core regulations and purposive sampling of 30 court decisions containing caveat venditor. At the same time, empirical data were taken by stratified random sampling for 400 consumers (margin of error 5%, CI 95%), as well as purposive sampling for producers and regulators based on criteria of a minimum of five years of experience and involvement in food disputes.

The research instrument was developed according to the characteristics of the data: a structured questionnaire (Likert scale 1–5) measured the four pillars of caveat venditor (information transparency, product safety, indemnity accountability, and producer self-monitoring) with a



reliability coefficient of α -Cronbach >0.85; The semi-structured interview guidelines explore implementation challenges through critical questions such as product recall dynamics; and the legal analysis matrix serves as a doctrinal verification tool to test regulatory consistency with the parameters of producer obligations, proportionality of sanctions, and restitution mechanisms.

The research procedure is carried out in four systematic stages: Phase 1 includes secondary data collection and instrument validity test by consumer law experts; Phase 2 includes conducting interviews with key stakeholders, including regulatory authorities, food producers, and consumer representatives, to gain insights into the practical implementation of food safety regulations and the challenges faced. In-depth interviews are a valuable qualitative research method that allows for an in-depth understanding of stakeholders' perspectives and motivations (Knott et al., 2022); Phase 3 formulates a gap analysis-based solution model that is validated via focus group discussion (FGD). This methodological series ensures replicable and applicable findings, as well as answers research ethics through the principles of informed consent, respondent anonymity, and respondent validation for interview transcripts.

3. RESULT AND DISCUSSION

Table 3.1. Analysis of Regulations and Court Decisions Related to Producer Obligations

Legal Documents	Sum	Critical Findings	
Regulation (UU/PP/PerBPOM)	117	73% do not regulate proportionate sanctions for caveat venditor violations	
Court Decisions (2019-2024)		60% still burden the consumer with proof (onus probandi incumbit actori)	
BPOM Report	11 /	82% of product recalls are only made after there is a health casualty	

Table 3.2. Frequency of Food Consumer Rights Violations by Type

Types of Violations	11 GCGC 1 /11 /11 / 11 / 4 \	Perpetrator Dominance
False/misleading information	120 cases	UMKM (65%)
Food Does not Meet Safety Standards	89 cases	Corporations (70%)
Denial of Indemnity	47 cases	Corporations (83%)

The results of the study confirm **three systemic dysfunctions** that hinder the effectiveness of *the caveat venditor* principle in the protection of food consumer rights. **First**, there was a *regulatory asymmetry* between Law No. 8/1999 on Consumer Protection and Law No. 18/2012 on Food. Document data shows that 73% of derivative regulations (PP/PerBPOM) do not regulate proportionate sanctions for violations of producer obligations (Table 3.1). In comparison, 60% of court decisions (2019-2024) still impose the burden of proof (onus *probandi*) on consumers, a contradiction that dwarfs the spirit *of caveat emptor* into mere legal rhetoric.

Second, there is a *polarization of implementation* between corporate producers and MSMEs. Field observations revealed that 30% of corporate products meet labeling standards (Table 3.2). In-depth interviews reveal the root of the problems of MSME producers, complaining about the complexity of regulations and the lack of legal assistance, while corporations tend to be reactive. This phenomenon exacerbates *the inequality of bargaining power*, especially in traditional markets that lack a standard grievance channel.

Third, restitution failure emerged as a crucial problem. BPOM data shows that 73% of consumers do not receive full compensation due to two things: (a) unregulated class action mechanisms specific to food disputes, and (b) low legal literacy of consumers who understand the right to information on food composition. More worryingly, 82% of product recalls are only carried out after health casualties (Table 3.1), indicating the weak precautionary principle in supervision.

3.1 Confirmation of Information Asymmetry Institutionalized by Weak Regulation

Manufacturers' practices that exploit information asymmetry to hide product risks, which hinder consumers' right to honest information (Woolcott Oyague & Ramírez Gómez, 2024). The findings of the study empirically confirm and deepen this problem. Field observations that reveal that only 30% of corporate products fully meet labeling standards are clear evidence that



information asymmetry is not just negligence, but a practice that is still rampant even at the corporate level.

Furthermore, the finding that 82% of product recalls are only made after the emergence of health casualties shows that the principle of proactive transparency does not work. Manufacturers tend to be reactive, hiding risks until they can no longer be covered. While the shift to "caveat vending" aims to protect consumer rights, there are still significant challenges in achieving true transparency (Norval et al., 2022). Addressing these challenges requires a combination of better disclosure practices, strong regulatory oversight, and a cultural shift within the organization toward greater openness and accountability (Culnan & Bruening, 2018). This phenomenon indicates that the shift to caveat venditor has not been able to change the industry culture from information concealment to disclosure. Consumers' right to honest and transparent information is hampered not only by the manufacturer's intentions, but also by a supervisory system that fails to encourage best practices.

3.2 The Illusion of Protection Due to Weak Law Enforcement and Supervision

The Caveat Venditor principle shifts responsibility to the seller, ensuring they are responsible for any defects or safety issues in their products. These principles are designed to protect consumers from harm and ensure they receive a safe and reliable product (Carr, 2015). However, the effectiveness of this principle is often hampered by weak oversight, a fragmented regulatory environment, and challenges in law enforcement. Strengthening this mechanism is critical to ensure that caveat venditor can effectively guarantee product safety and protect consumers (Covolan & Bender, 2022). The research findings provide strong quantitative evidence to support this statement. It was found that 73% of derivative regulations (PP/PerBPOM) do not regulate proportionate sanctions for violations of producer obligations.

The lack of firm and proportionate sanctions weakens the caveat venditor principle, so that the responsibility of producers seems more theoretical than practical. Effective enforcement of EPR policies requires clear and consistent regulation and proportionate sanctions to ensure that manufacturers are held accountable for the lifecycle impacts of their products. This approach can help transform producer responsibility from a normative concept to a strong, enforceable practice (Gupta & Dash, 2023). This compounded oversight in product safety is often reactive, addressing problems only after they occur, rather than preventing them. This can be seen from the reliance on product recalls to manage safety issues (Beckers et al., 2003). As a result, caveat venditor has become only legal rhetoric, while consumers continue to bear the health risks of products that do not meet safety standards. While the precautionary principle is a valuable tool for preventing harm, its practical implementation requires a shift from reactive to proactive measures. This includes integrating precautionary measures into the regulatory framework, focusing on alternative assessments, and improving oversight systems to monitor and address safety issues before they result in hazards (Venkatesan et al., 2023).

3.3 Bargaining Position Inequality Exacerbated by Structural Barriers

Unequal bargaining power is a common issue in consumer contracts, which often leads to unfair provisions such as pre-defined damages and limitation clauses (Alias & Ghadas, 2012). This imbalance is exacerbated by the knowledge and market power that superior manufacturers have, which they can exploit to impose unfavorable terms on consumers (Reilly, 2025). Traditional producer responsibility models have proven inadequate in addressing the complexities of modern mass production. This inadequacy encourages reliance on non-contractual solutions to guarantee consumer protection (D'Alessio, 2021). The concept of 'behavioural asymmetry' has been proposed to address this problem by holding manufacturers accountable if their products are not safe enough for the average user, taking into account cognitive bias and other behavioural shortcomings (Verheyen, 2021). The findings of the study strongly prove that this problem is structural and systemic. Data on the analysis of court decisions (2019-2024) shows that 60% of cases still impose the burden of proof on consumers, which is a fatal legal anomaly. This practice is directly contrary to the essence of caveat emptor, where responsibility should rest on the shoulders of the manufacturer.

Findings at the implementation level further exacerbate this inequality. The polarization between corporations and MSMEs, where MSMEs struggle to meet complex regulations while 100% of traditional markets do not have standardized complaint channels, creates a very unfriendly ecosystem for consumers. In addition, the absence of a specific class action lawsuit mechanism



for food disputes makes it difficult for collective legal remedies to be effective. This is seen in various sectors where collective bargaining is underutilized or faces significant procedural constraints (Engstrom, 2018). In the context of food safety, the implementation of class action lawsuits can help address systemic problems, but the current framework is inadequate (Li, 2021). Thus, the institutionalization of inequality of bargaining position through class action lawsuit mechanisms and inadequate judicial practices in food disputes highlights the need for comprehensive legal reform. A practical collective action framework is essential to address systemic issues and protect the rights of the weaker parties in the food supply chain.

3.4 Low Legal Literacy as an Obstacle to the Effectiveness of Caveat Venditor

Low legal literacy makes consumers unable to understand or enforce their rights, so caveat venditor cannot be effectively implemented (Samsudin et al., 2020). Consumers who do not understand their rights are less likely to sue the seller for defective or non-compliant products (Pleasence et al., 2017). The results of the study confirm this and show its crucial impact on the compensation mechanism. The finding that 73% of consumers do not receive full compensation is one of the reasons for low consumer legal literacy regarding their rights, including the right to information on food composition.

A lack of understanding of consumers and demands on their rights can lead to producers being less motivated to meet their obligations proactively (Matusiková, 2011). This highlights the importance of consumer education, an adequate legal framework, and economic incentives to ensure that consumers and producers meet their respective responsibilities (Loer, 2024). The caveat venditor principle, which is supposed to encourage producers to be more responsible, becomes dull because there is no significant pressure from the demand side (consumers) (Sim & Kim, 2021). This creates a lack of awareness and action from consumers, creating a vicious circle where producers feel no need to take responsibility because there is no pressure from consumers, and consumers remain silent because they are not aware of the rights they are exercising (ANTONY et al., 2025). So it is necessary to improve consumer education programs that not only focus on consumer rights but also psychological aspects such as self-confidence (ANTONY et al., 2025), Strengthen regulations and enforcement to ensure manufacturers are accountable for their products (Solaiman, 2013), and the use of technology to increase transparency and make it easier for consumers to access information about products (Schenten et al., 2020).

3.5 Regulation Loopholes and Inconsistencies in Sanctions That Weaken the Deterrent Effect

Ambiguity in the laws and regulations in their implementation can create significant gaps. For example, discrepancies between stated policy objectives and their implementation can lead to ineffective enforcement and compliance issues (Frost, 2024). This ambiguity can be intentional, allowing for selective law enforcement and creating legal loopholes that regulated entities can exploit. The inconsistent application of sanctions can lead to uncertainty and a lack of trust in the regulatory system. For example, in animal welfare governance in Norway, the use of administrative sanctions to enforce lax legal norms produces unforeseen results, triggers resistance from regulated parties, and ultimately weakens compliance (Gezelius, 2025). These inconsistencies can result in regulated entities deeming law enforcement unfair or arbitrary, further weakening the deterrent effect. The findings of the study on regulatory asymmetry between the Consumer Protection Law (Law No. 8 of 1999) and the Food Law (Law No. 18 of 2012) both aim to protect consumers, but have different focuses and enforcement mechanisms. The Consumer Protection Act generally covers consumer rights and business practices, while the Food Act specifically addresses food safety and quality (Widiarty & Fahim, 2024).

Specifically, the data that 73% of derivative regulations do not have proportionate sanctions is at the core of the weak deterrent effect. Administrative sanctions are often the main consequence for producers when regulations are violated. These sanctions may result in economic losses for consumers and business actors, but do not necessarily guarantee accountability or a substantial deterrent effect (Gurvich et al., 2021). The balance between consumer protection and the interests of producers often results in a system whose responsibilities are more administrative. This can be seen from how liability laws are structured to maintain a fair balance, which allows producers to avoid liability under certain conditions (Verheyen, 2021). So that violations are considered as "cost of doing business" that can be calculated, not as legal risks that must be



avoided. As a result, the caveat venditor principle fails to create a deterrent effect capable of forcing producers to comply fundamentally.

Overall, although the caveat venditor principle is intended to enhance consumer protection, its practical application is often inadequate due to regulatory inadequacies, enforcement costs, information overload, and the persistent practice of caveat emptor. Therefore, the assumption that the application of caveat venditor automatically increases consumer protection is not supported by the evidence (Iheme, 2022). Inconsistent regulations can lead to confusion and violations of the law. For example, in the context of consumer protection in the United States, there are inconsistencies between state regulations and private litigation that can produce conflicting results (Helland & Klick, 2012). In addition, overly detailed and paternalistic regulation can result in ineffective overregulation (Weber, 2021). Uneven implementation of regulations is also a problem. In some countries, despite strict regulations, their implementation is often ineffective. For example, in the European Union, despite various initiatives to improve access to justice for consumers, implementation at the national level is often inadequate (Straetmans & Vereecken, 2024). This is also seen in the context of consumer protection in Brazil, where, despite a strong legal framework, implementation and enforcement still face many challenges (Pubel & Marighetto, 2025). Access to effective justice mechanisms is often limited, especially for vulnerable consumers. Despite developments in alternative dispute resolution (ADR) and online dispute resolution (ODR) mechanisms, many consumers still struggle to access justice due to high costs, complexity of procedures, and language barriers (Sahin-Sengül & Kaya, 2025). In the European Union, despite efforts to expand competence in access to justice, the issue of litigation costs remains a significant challenge (Benöhr, 2013). Within the framework of Legal Efficacy Theory, this study proves that the success of this legal paradigm shift does not just happen, but depends on three fundamental pillars that must be built simultaneously: regulatory consistency through the harmonization of norms and sanctions; the adaptive capacity of business actors which is realized through MSME assistance and strict supervision of corporations; and pro-consumer access to justice through burden of proof reversal and a simple redress mechanism (Santos Campos, 2016). Thus, the transition from caveat emptor to caveat venditor is not just a change in legal concepts, but an agenda to carry out a complete reboot of the food consumer protection system. Without a holistic overhaul of the three pillars, the findings of the study confirm that this paradigm shift will only be a legislative

4 CONCLUSION

symbolism that fails to provide absolute protection.

The shift from caveat emptor to caveat venditor in the protection of food consumers in Indonesia has not yielded optimal results. The challenges are systemic and multidimensional, including regulatory weaknesses, reactive and uneven law enforcement, inaccessible justice mechanisms, institutionalized information and behavioral asymmetry, and low consumer legal literacy. Without a complete reboot that touches on the three pillars of Legal Efficacy Theory (consistent regulation, adaptive capacity of business actors, access to pro-consumer justice) simultaneously and supported by increasing literacy and the use of technology, the caveat venditor principle will only become legislative symbolism that fails to provide real protection for food consumers. The value of this research lies in comprehensive diagnosis and concrete recommendations to realize effective and equitable food consumer protection.

REFERENCE

Agung Prasetyo, A. (2022). MEMINIMALISIR ASIMETRI INFORMASI MELALUI PELAPORAN (DISCLOSURE) LAPORAN KEUANGAN. *Transekonomika: Akuntansi, Bisnis Dan Keuangan*, 2(1), 45–52. https://doi.org/10.55047/transekonomika.v2i1.104

Alias, S. A., & Ghadas, Z. A. A. (2012). Inequality of bargaining power and the doctrine of unconscionability: Towards substantive fairness in commercial contracts. *Australian Journal of Basic and Applied Sciences*, 6(11), 331–341. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84871751173&partnerID=40&md5=2fc97a7505d3d3069833ee70b99f20a2

Amasah, E. N., Amoah, E. K., & Afrifa, J. B. (2022). Is There a Paradigm Shift from Application of Caveat Emptor to Caveat Venditor in the Sale of Goods in Ghana? A Comparative Analysis of the Application of the Principle Caveat Emptor. *E-Journal of*



Humanities, Arts and Social Sciences, 130-147. https://doi.org/10.38159/ehass.2022344

ANTONY, J., K A, A., & KURIAKOSE, A. (2025). Does Self-assertiveness Strengthen the Relationship between Consumer Rights Awareness and Rights Exercise? *Asian Journal of Human Services*, 28, 53–66. https://doi.org/10.14391/ajhs.28.53

Beckers, E. A. M., Dinkelaar, R. B., Te Boekhorst, P. A. W., Van Ingen, H. E., & Van Rhenen, D. J. (2003). Reports of transfusion incidents: Experiences from the first year of haemovigilance in the region of the former ZWN blood bank in Rotterdam. *Nederlands Tijdschrift Voor Geneeskunde*, 147(31), 1508–1512. https://www.scopus.com/inward/record.uri?eid=2-s2.0-0041732045&partnerID=40&md5=49c81df3d5a3fe82307a100e913f1f84

Benöhr, I. (2013). Consumer Dispute Resolution after The Lisbon Treaty: Collective Actions and Alternative Procedures. *Journal of Consumer Policy*, 36(1), 87–110. https://doi.org/10.1007/s10603-012-9202-0

Carr, N. (2015). The Impact of Changing Products Liability Laws on Channel Members (pp. 303–303). https://doi.org/10.1007/978-3-319-16976-7 78

Chardon, J., & Swart, A. (2016). Food Consumption and Handling Survey for Quantitative Microbiological Consumer Phase Risk Assessments. *Journal of Food Protection*, 79(7), 1221–1233. https://doi.org/10.4315/0362-028X.JFP-15-448

Covolan, B., & Bender, J. L. (2022). Product Safety - the Importance and Impact of Ethical Compliance Practices. 2022 IEEE International Symposium on Product Compliance Engineering (ISPCE), 1–4. https://doi.org/10.1109/ISPCE54918.2022.10017194

Culnan, M. J., & Bruening, P. J. (2018). Privacy Notices: Limitations, Challenges, and Opportunities. In *The Cambridge Handbook of Consumer Privacy* (pp. 524–545). https://www.scopus.com/inward/record.uri?eid=2-s2.0-

85061182125&partnerID=40&md5=4f26a39c09353d7bdc1b7d527d651940

D'Alessio, A. (2021). The second slice of the cake. In *Law and Food* (pp. 205–220). Routledge. https://doi.org/10.4324/9781003159582-15

Dhal, S. B., & Kar, D. (2025). Leveraging artificial intelligence and advanced food processing techniques for enhanced food safety, quality, and security: a comprehensive review. *Discover Applied Sciences*, 7(1), 75. https://doi.org/10.1007/s42452-025-06472-w

Dudeja, P., & Singh, A. (2017). Food-safety issues related to plant foods at farms. In *Food Safety in the 21st Century* (pp. 179–191). Elsevier. https://doi.org/10.1016/B978-0-12-801773-9.00013-3

Dussauge, O. (2025). Empowering Short Food Supply Chains: Legal Proposals for Reforming Agricultural Market Organisation in the EU. *European Food and Feed Law Review*, 20(2), 65–76. https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005995959&partnerID=40&md5=868cd003501fb109f83e5d9004db41ea

Engstrom, D. F. (2018). "Not merely there to help the men": Equal pay laws, collective rights, and the making of the modern class action. *Stanford Law Review*, 70, 1–97. https://www.scopus.com/inward/record.uri?eid=2-s2.0-

85036506937&partnerID=40&md5=6e0ffffd5b0bc177f19c13fe674fc54e

Frost, L. (2024). Ambiguous citizenship policies: Examining implementation gaps across levels of legislation in Jordan. *Comparative Migration Studies*, 12(1), 23. https://doi.org/10.1186/s40878-024-00375-2

Gezelius, S. S. (2025). Administrative Sanctions and Loose Legal Norms: Resistance and Street-Level Policy Reversal in Norway. *Regulation & Governance*. https://doi.org/10.1111/rego.70011

Gravitiani, E., Purnomo, R. A., Hendrasuryawan, B., Rudianto, M., Sartika, R. C., & Budiono, A. (2025). SITUPANG: A Hybrid Agile-UML Food Security System for Enhancing Regional Competitiveness in Indonesia. *International Journal of Safety and Security Engineering*, 15(5), 1019–1027. https://doi.org/10.18280/ijsse.150515

Gupta, D., & Dash, S. (2023). Challenges of implementing extended producer responsibility for plastic-waste management: lessons from India. *Social Responsibility Journal*, *19*(9), 1595–1612. https://doi.org/10.1108/SRJ-08-2022-0326

Gurvich, V., Mazhaeva, T., Sinitsyna, S., Kozubskaya, V., Bortsova, E., & Sheluntsova, N. (2021). Damage Liability Insurance as an Alternative Means of Food Quality and Safety Management. ЗДОРОВЬЕ НАСЕЛЕНИЯ И СРЕДА ОБИТАНИЯ - ЗНиСО / PUBLIC



HEALTH AND LIFE ENVIRONMENT, 56-64. https://doi.org/10.35627/2219-5238/2021-339-6-56-64

Helland, E., & Klick, J. (2012). Why aren't regulation and litigation substitutes? An examination of the capture hypothesis. In *Regulatory Breakdown: The Crisis of Confidence in U.S. Regulation* (Vol. 9780812207491, pp. 227–244). https://www.scopus.com/inward/record.uri?eid=2-s2.0-

84920003692&partnerID=40&md5=42e5f79d2ee0c9c9de52df582c38a926

Iheme, W. C. (2022). Rethinking the Effectiveness of Consumer Protection Policies and Measures in the Financial Marketplace. *Jurídicas*, *19*(2), 165–185. https://doi.org/10.17151/jurid.2022.19.2.9

Knott, E., Rao, A. H., Summers, K., & Teeger, C. (2022). Interviews in the social sciences. *Nature Reviews Methods Primers*, 2(1), 73. https://doi.org/10.1038/s43586-022-00150-6

Li, W. (2021). Analysis of Legal Issues on Collaborative Management of Health Food Safety in China. *Shipin Kexue/Food Science*, 42(13), 360–369. https://doi.org/10.7506/spkx1002-6630-20210401-004

Loer, K. (2024). Political Science Perspectives on Consumer Responsibility. In *Consumer Policy from Below* (pp. 97–122). Springer Fachmedien Wiesbaden. https://doi.org/10.1007/978-3-658-44478-5_6

Lu, Y., Wang, G., & Liu, Z. (2024). The characteristics, challenges, and opportunities of China's food safety inspection supervision in the distribution sector. *Journal of Infrastructure, Policy and Development*, 8(12), 6339. https://doi.org/10.24294/jipd.v8i12.6339

Madilo, F. K., Kunadu, A. P., & Tano-Debrah, K. (2024). Challenges with food safety adoption: A review. *Journal of Food Safety*, 44(1). https://doi.org/10.1111/jfs.13099

Matusiková, L. (2011). Analysis of perception of consumer's rights by the y generation. *E a M: Ekonomie a Management*, 14(2), 107–122. https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959505209&partnerID=40&md5=0a2f70f1e8638a310a58dfcc13d34a9e

Norval, C., Cornelius, K., Cobbe, J., & Singh, J. (2022). Disclosure by Design: Designing information disclosures to support meaningful transparency and accountability. *2022 ACM Conference on Fairness Accountability and Transparency*, 679–690. https://doi.org/10.1145/3531146.3533133

Pacholczyk-Sienicka, B. (2024). Crimes Against Food: Characteristics, Health Risk, and Regulations. *Food and Energy Security*, *13*(5). https://doi.org/10.1002/fes3.70002

Pleasence, P., Balmer, N. J., & Denvir, C. (2017). Wrong about Rights: Public Knowledge of Key Areas of Consumer, Housing and Employment Law in England and Wales. *The Modern Law Review*, 80(5), 836–859. https://doi.org/10.1111/1468-2230.12290

Pubel, L. D., & Marighetto, A. (2025). Consumer ADR in Brazil. In *Consumer Alternative Dispute Resolution in Emerging Economies* (pp. 170–187). Routledge. https://doi.org/10.4324/9781032689739-12

Reilly, M. T. (2025). The Unconscionably Short Warranty. *George Washington Law Review*, 93(1), 105–158. https://www.scopus.com/inward/record.uri?eid=2-s2.0-105000346574&partnerID=40&md5=7d3886b3c1ea8a2f2dd0546efea664c7

Sahin-Sengül, E., & Kaya, S. (2025). Concluding Remarks and the Way Forward. In *Consumer Alternative Dispute Resolution in Emerging Economies* (pp. 249–256). Routledge. https://doi.org/10.4324/9781032689739-17

Samsudin, N., Bakar, E. A., Jusoh, Z. M., & Arif, A. M. M. (2020). Personal and environmental determinants of consumer legal literacy among Malaysian consumers. *Malaysian Journal of Consumer and Family Economics*, 25(S1), 27–40. https://www.scopus.com/inward/record.uri?eid=2-s2.0-

85098162875&partnerID=40&md5=21356d56b8fef7dc49c6e0a492a08d2e

Sánchez Hernández, Á. (2022). La contratación agroalimentaria tras las medidas de la nueva Ley 16/2021 de 14 de diciembre para mejorar el funcionamiento de la cadena alimentaria. *Przegląd Prawa Rolnego*, *1*(30), 255–273. https://doi.org/10.14746/ppr.2022.30.1.15

Santos Campos, A. (2016). An Inquiry into a Normative Concept of Legal Efficacy. *Ratio Juris*, 29(4), 460–477. https://doi.org/10.1111/raju.12143

Sato, K., Kodama, K., & Sengoku, S. (2025). The Co-Evolution of Markets and Regulation in the Japanese Functional Food Industry: Balancing Risk and Benefit. *Foods*, 14(9), 1581.



https://doi.org/10.3390/foods14091581

Schenten, J., Brenig, M., Führ, M., & Bizer, K. (2020). Breathing life into consumer rights: smartphone tools facilitating the "right to know" on substances of very high concern in REACH articles. *Environmental Sciences Europe*, 32(1), 114. https://doi.org/10.1186/s12302-020-00387-6

Sheridan, J. J., O'Keeffe, M., & Rogers, M. (2008). Food Safety: The Implications of Change from Producerism to Consumerism. In *Food Safety: The Implications of Change from Producerism to Consumerism*. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216051987&partnerID=40&md5=450eb1d5f121f4ee34352c7ca8bffaad

Silvee, S. S., & Wu, X. (2023). EXAMINING THE CONTEMPORARY INTERNATIONAL FOOD INSTRUMENTS AND FRAMEWORK. *Asian Journal of WTO and International Health Law and Policy*, *18*(2), 361–396. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185594957&partnerID=40&md5=f68b419fc805fcb68ed2ad217dc3985f

Sim, J., & Kim, B. (2021). Regulatory versus consumer pressure and retailer responsibility for upstream pollution in a supply chain. *Omega*, 101, 102250. https://doi.org/10.1016/j.omega.2020.102250

Socoliuc, M., Grosu, V., Ciubotariu, M.-S., Brînzaru, S.-M., & Cosmulese, C. G. (2022). Is Information Asymmetry a Disruptive Factor in Food Consumer Behavior During the COVID Pandemic? *Frontiers in Nutrition*, 9. https://doi.org/10.3389/fnut.2022.912759

Soeyatno, R. F., Syaukat, Y., Nurmalina, R., & Suprehatin, S. (2024). THE IMPACT OF E-COMMERCE ON DIGITAL FARMERS' VEGETABLE SALES IN JAKARTA METROPOLITAN AREA. *Journal of the International Society for Southeast Asian Agricultural Sciences*, 30(2), 14–32. https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211602650&partnerID=40&md5=af648d40854a7ab0151f1733cfcdbae4

Solaiman, S. M. (2013). Revisiting Securities Regulation in the Aftermath of the Global Financial Crisis: Disclosure – Panacea or Pandora's Box? *The Journal of World Investment & Trade*, 646–671. https://doi.org/10.1163/22119000-01404003

Steennot, R. (2020). Public and private enforcement of consumer and mortgage credit law. In *Financial Regulation and Civil Liability in European Law*. Edward Elgar Publishing. https://doi.org/10.4337/9781789908114.00013

Straetmans, G., & Vereecken, J. (2024). Towards a New Balance Between Private and Public Enforcement in EU Consumer Law. *European Review of Private Law*, 32(1), 41–80. https://www.scopus.com/inward/record.uri?eid=2-s2.0-

85192787271&partnerID=40&md5=ab42df6d73033e63591ec00dca9430c7

Tahir, P., Budisetyowati, D. A., Purwanti, A., & Garunja, E. (2023). SAFEGUARDING CONSUMER RIGHTS: ENHANCING LEGAL PROTECTION AGAINST UNLABELED FOOD PRODUCTS. *Diponegoro Law Review*, 8(1), 59–75. https://doi.org/10.14710/dilrev.8.1.2023.59-75

Venkatesan, S. P., Sanjay, M., V, G. R., & Natarajan, M. S. (2023). Development and Implementation of an IoT-Based Safety Compliance Assessment Tool for Industrial Processes. *2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)*, 1360–1365. https://doi.org/10.1109/ICPCSN58827.2023.00228

Verheyen, T. (2021). On Behavioural Asymmetry in Product Liability Law. *Journal of European Tort Law*, 12(1), 40–64. https://doi.org/10.1515/jetl-2021-0002

Wang, L., & Tan, J. (2023). Coevolution of Strategy, Innovation and Ethics. *Journal of Business Ethics*, *186*(4), 711–721. https://doi.org/10.1007/s10551-023-05439-4

Weber, R. H. (2021). From Disclosure to Transparency in Consumer Law. In *Economic Analysis of Law in European Legal Scholarship* (Vol. 9, pp. 73–87). https://doi.org/10.1007/978-3-030-49028-7 4

Widiarty, W. S., & Fahim, M. H. K. (2024). INSTITUTIONAL ROLES AND MECHANISMS IN UPHOLDING LEGAL PROTECTION UNDER CONSUMER PROTECTION LAW IN THE ERA OF GLOBALIZATION. *Jurnal Hukum Unissula*, 40(2), 134–152. https://doi.org/10.26532/jh.v40i2.40717

Wipulanusat, W., Panuwatwanich, K., Stewart, R. A., & Sunkpho, J. (2020). *Applying Mixed Methods Sequential Explanatory Design to Innovation Management* (pp. 485–495). https://doi.org/10.1007/978-981-15-1910-9_40



Woolcott Oyague, O., & Ramírez Gómez, E. R. (2024). La asimetría informativa y el caso del consumidor financiero. *Novum Jus*, 18(1), 17-41. https://doi.org/10.14718/NovumJus.2024.18.1.1