

Dimensions of Sociology of Law: The Urgency of Implementing Digital Transactions Towards the Era of Society 5.0

Vivi Sylvia Purborini

Program Studi Ilmu Hukum, Fakultas Hukum, Universitas Wisnuwardhana

velioraps1@gmail.com

Ida Bagus Suryanatha

Program Studi Sosiologi, Fakultas Ilmu Sosial dan Politik, Universitas Palangka Raya

bagusnatha11@fisip.upr.ac.id

Abstract

The Society 5.0 era brings major changes to Indonesia. This transformation also presents challenges, especially in terms of regulation, data security, and consumer protection. A deep understanding of the sociological dimensions of law is very important. In this article, the method used by the researcher is a qualitative descriptive method. In the research approach, the researcher uses a sociological legal approach. In the context of rapid technological developments and social change, the study of the sociology of law on the need to immediately carry out digital transactions is very relevant. The implementation of digital transactions is not only related to economic aspects, but also includes various important social and legal dimensions. The sociology of law sees that digital transactions represent a significant change in the way society interacts and transacts. This shift creates new opportunities, but also challenges, which require adjustments to legal regulations to remain relevant and responsive to the needs of society. In the context of Society 5.0, rapid changes in digital technology require the legal system to be responsive and flexible, so that it can answer the challenges that arise without hindering technological progress. The implementation of digital transactions towards the Society 5.0 era is not only an option, but a necessity to ensure sustainable economic growth, social inclusion, and effective legal protection. Therefore, collaboration between the government, private sector, and society is essential to create a digital transaction ecosystem that is safe, fair, and beneficial for all. The relationship between legal sociology, digital transactions, and the Society 5.0 era shows the importance of a multidisciplinary approach to understanding the social and legal impacts of digitalization.

Keywords: Dimensions, Sociology of Law, Digital Transactions, Era of Society 5.0

Abstrak

Era Society 5.0 membawa perubahan besar bagi Indonesia. transformasi ini juga menghadirkan tantangan, terutama dalam hal regulasi, keamanan data, dan perlindungan konsumen. pemahaman yang mendalam mengenai dimensi sosiologi hukum menjadi sangat penting. Pada artikel ini metode yang digunakan oleh peneliti adalah metode deskriptif kualitatif. Dalam pendekatan penelitian, peneliti menggunakan pendekatan yuridis sosiologis. Dalam konteks perkembangan teknologi dan perubahan sosial yang cepat, kajian sosiologi hukum tentang perlunya segera melakukan transaksi digital sangat relevan. Penerapan transaksi digital tidak hanya berkaitan dengan aspek ekonomi, tetapi juga mencakup berbagai dimensi sosial dan hukum yang penting. Sosiologi hukum melihat bahwa transaksi digital mewakili perubahan signifikan dalam cara masyarakat berinteraksi dan bertransaksi. Pergeseran ini menciptakan peluang baru, tetapi juga tantangan, yang memerlukan penyesuaian regulasi hukum agar tetap relevan dan responsive terhadap kebutuhan masyarakat. Dalam konteks Society 5.0, perubahan cepat dalam teknologi digital mengharuskan system hukum untuk responsive dan fleksibel, sehingga dapat menjawab tantangan yang muncul tanpa menghambat kemajuan teknologi. penerapan transaksi digital menuju era Society 5.0 bukan hanya sebuah pilihan, tetapi sebuah keharusan untuk memastikan pertumbuhan ekonomi yang berkelanjutan, inklusi sosial, dan perlindungan hukum yang efektif. Oleh karena itu, kolaborasi antara pemerintah, sector swasta, dan masyarakat sangat penting untuk menciptakan ekosistem transaksi digital yang aman, adil, dan bermanfaat bagi semua. Hubungan antara sosiologi hukum, transaksi digital, dan era Society 5.0 menunjukkan pentingnya pendekatan multidisipliner untuk memahami dampak sosial dan hukum dari digitalisasi

Kata Kunci: Dimensi, Sosiologi Hukum, Transaksi Digital, Society 5.0

INTRODUCTION

The Society 5.0 era is characterized by the integration of advanced technologies into various aspects of human life, with the main goal of improving the quality of life and creating a more sustainable society. In this context, digital transactions have emerged as one of the main innovations that are changing the way people interact, transact, and access services. The application of digital transactions is not only facilitating economic processes but also has significant social impacts, including changes in social structures, relationships between individuals, and legal practices that regulate these transactions.

Over the past few decades, there have been four industrial revolutions that have had a major impact on society. The first revolution occurred in 1750, coinciding with the steam engine's emergence, which changed the industry's face. The second revolution occurred around 1870 with the invention of mass production tools that shook the economy and society. The third revolution came with the emergence of computers, bringing unstoppable technological progress. The fourth revolution, which is currently underway, is marked by the development of cyber networks and artificial intelligence, ushering in an era where advanced machines compete with humans. Society 5.0 is a fundamental change in the way we interact with technology, the environment, and each other. The Society 5.0 era aims to address the challenges that have emerged in the context of the Industrial Revolution. The emergence of Era 4.0 involves the integration of humans and machines, thus creating a synergistic and mutually beneficial relationship.

For example, e-commerce services and online motorcycle taxi services are real examples of how humans and technology can go hand in hand. These two innovations not only provide jobs but also make everyday life easier for people. The transition from the Industrial Era 4.0 to the Society 5.0 Era was accelerated by the COVID-19 pandemic, which encouraged the application of technology to maintain social distancing and overcome new challenges. People began to rely on technology to solve complex, critical, and creative problems, pursuing innovation in order to survive. The Society 5.0 Era brought major changes to Indonesia. Digitalization has had both positive and negative impacts on the country, especially considering the rapid development of technology and the upcoming demographic bonus in 2030-2035. The positive impact is the

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ability of the Indonesian people and government to adapt to digital technology and information. However, this transformation also presents challenges, especially in terms of regulation, data security, and consumer protection. Therefore, a deep understanding of the sociological dimensions of law is very important. Sociology of law, as a discipline that studies the relationship between law and society, provides a framework for analyzing how legal norms can adapt to technological developments and how society responds to these changes.

This article explores the urgency of implementing digital transactions in the context of legal sociology towards the era of Society 5.0. By highlighting critical issues, such as proper regulation, consumer rights protection, and social inclusion, it is hoped to provide deeper insight into how law can play a role in supporting the development of fair and sustainable digital transactions.

METHODS

In this article, the researcher uses a qualitative descriptive method. The qualitative descriptive method is accurate and contains a systematic and actual description of the facts. In this case, the researcher describes an incident or societal phenomenon related to the Urgency of Implementing Digital Transactions Towards the Era of Society 5.0. The researcher uses a sociological juridical approach. Sociological juridical emphasizes research to obtain empirical legal knowledge (observations made) by directly addressing the object, namely knowing the implementation of digital transactions towards the era of society 5.0.

Starting from this approach, in this case, the researcher will examine more deeply the Dimension of Legal Sociology: The Urgency of Implementing Digital Transactions Towards the Era of Society 5.0. This study is a literature study conducted with a comprehensive literature analysis approach. In this

context, literature analysis refers to investigating, collecting, and researching various literature sources relevant to the study topic in depth. This research method relies on information and knowledge published in multiple literature sources, such as journal articles, books, research reports, conference papers, and other relevant sources.¹

RESULTS AND DISCUSSION

The implementation of digital transactions in the Society 5.0 era is very urgent. From economic, social, and legal perspectives, several strong reasons make it a necessity. Digital transactions enable faster and more efficient business processes. Using technology, business actors can reduce transaction time and costs, increase productivity, and expand market reach. This supports more dynamic economic growth. The implementation of digital transactions can increase public access to financial and business services, especially for groups that have been marginalized. Digital inclusion allows more individuals and small businesses to participate in the economy, encouraging more equitable growth. Digital transactions with blockchain technology and data encryption offer higher security than traditional transactions. This helps build trust between transaction actors and reduces the potential for fraud. With the increasing use of digital transactions, there is an urgent need to develop a clear and effective regulatory framework.

This is important to protect consumers from detrimental business practices and ensure transaction fairness. The Society 5.0 era is about integrating technology into everyday life. Digital transactions are the

¹Suud Sarim Karimullah, "Empowering Youth: Social Transformation and Islamic Law's Impact on Child Rights," *VARIA HUKUM*5, no. 2 (2023): 153-69,<https://doi.org/10.15575/vh.v5i2.28209>.

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foundation for further innovation, including developing AI and IoT-based applications to improve user experience. Changes in consumer behavior due to the COVID-19 pandemic are accelerating the adoption of digital transactions. People are now more accustomed to shopping online and using digital services, so business actors must adapt quickly to stay relevant. The implementation of digital transactions has the potential to improve the quality of life by facilitating access to various services, such as health, education, and daily needs. This aligns with the goal of Society 5.0, which is to create a more prosperous society.

Along with technology's rapid development, people increasingly depend on technology to meet their daily needs. Information and communication technology has changed the way we work, communicate, shop, and even interact with others. The Society 5.0 era marks a paradigm shift from the previous era, where technology was only used as a tool, to an era where technology has become an inseparable part of everyday life.

The Unitary State of the Republic of Indonesia (NKRI) is a country of law. As a developing country, Indonesia's legal system follows the development of its society. Legal development in Indonesia in the 5.0 era must reflect the need to regulate and protect individual rights while supporting innovation and technological growth. Continuous adjustment and careful monitoring are needed to ensure that the law remains relevant and effective in the face of rapid change. Law must be a means of renewal in society (as a social engineering tool).

Law Always Changes Following the Development of the Era/Time and Society Era will form a new order that makes it easier, saves time and costs, reduces corruption, and is more effective in gaining access to justice. Access to

justice and the rule of law must optimize the positive tools of society 5.0 and be ready with tools for protection from the negative effects of society 5.0.

The challenge is, together, building an intelligent community ecosystem that can actively utilize and benefit from technological developments. In Society 5.0, society can solve various challenges and social problems by utilizing various Industry 4.0 innovations. This view emphasizes that technology is a means, while humans remain the main actors. This concept seeks to create a Happy future society where every individual actively lives a quality life regardless of age, gender, language, region, and so on. Industry 4.0 is known as the age of cyber-physical systems. This means that the development of the internet in this industry is very rapid, so the system is interconnected and has a big role in making something related to information technology into it, ultimately adding value to the manufacturing process.

The basic concept of Industry 4.0 was first presented at the Hannover exhibition in Germany in 2011. The Industrial Revolution 4.0 and Society 5.0 are concrete movements about developing increasingly sophisticated information and technology. The Industrial Revolution 4.0 and Society 5.0 have different bases but the same core: technology. The era of Society 5.0 is marked by the development of Artificial Intelligence, Robotics, Automation, Big Data, and the Internet of Things. Society 5.0 relies on a good integration process between the real world, where humans are, and the virtual world, where information is stored using technology. This utilization is based on the Industrial Revolution 4.0 and various technologies that are its basis.

A digital business is a business that utilizes technology to run it. Digital business begins with human behavior, which continues to develop technology so that every sector of life changes to digital. E-commerce is one common example of a digital business. The existence of e-commerce is now attached to every layer of life. From waking up to falling asleep again, humans are always faced with and accompanied by e-commerce to meet all their needs.²

The growing digitalization of business also has an impact on the economy. The relationship between digitalization and business models varies. For example, digital technology has the potential to shift corporate boundaries to more collaborative systems so that corporate resources and capabilities are connected; the model can be used in the same component and is efficient.³Japan has launched Society 5.0, with the basic concept and typical activities of Society 5.0, including Digital Transformation in the new era, where globalization and evolution are running rapidly in digital technologies such as the Internet of Things (IoT), artificial intelligence (AI) and robotics so that significant changes occur for society, the environment and values in society are increasingly diverse and complex.⁴

The thing that is emphasized in the Society 5.0 era is that humans can adapt the balance between economic progress and solving social problems by using a system that integrates the virtual world and the physical world.⁵With the concept of the Society 5.0 era, digital businesses can develop and innovate faster. In this Society 5.0 era, the use of the Internet of Things to robotics will

²Hikmah, N. N. (2021, November 5). Strategi Bisnis Digital. <https://doi.org/10.31219/osf.io/k247f>

³Budiarta, K., Ginting, S. O., &Simarmata, J. (2020).Ekonomi dan Bisnis Digital.Yayasan Kita Menulis

⁴Danuri, M. (2019). Perkembangan dan transformasi teknologi digital. INFOKAM, 15(2)

⁵Hendarsyah, D. (2019). E-commerce di Era industri 4.0 dan Society 5.0. IQTISHADUNA: Jurnal Ilmiah Ekonomi Kita, 8(2), hlm. 171-184.

have a significant impact. The use of the Internet of Things in 2021 in Indonesia has increased rapidly.

This is in accordance with the prediction of the National Cyber and Crypto Agency (BSSN) which predicts that in 2021 the development of the Internet of Things will be more numerous and widespread. With the increasing use of the Internet of Things, business people must be more innovative in developing their businesses in the Society 5.0 era. Then, they can also develop their businesses widely on social media because with the behavior of Indonesian people who access social media more often, it can be easier to attract attention in order to get more profit. Business people must also increase partnerships in order to obtain capital or raw materials in running a business. They also have to adapt quickly to all existing changes. If business people do not apply the concept of digital business in the current era, it will be difficult to develop and adapt to existing changes and developments and worse, the business they run will eventually disappear. An era that continues to change and no one can avoid it. So this requires human resources (HR) who are ready to adapt and compete in global scale developments.

One of the ways to improve the quality of HR through education is the key to ensuring that we take part in the development of the Industrial Revolution 4.0. The success of keeping up with the industrial revolution 4.0 in a country is the result of increasing the capacity of the quality of educators such as teachers. In this era, educators are required to master various skills using new technology. This situation is like forcing educational institutions to prepare new orientations and literacy in the journey of education in our country. Old literacy that relies on reading, writing and arithmetic must be strengthened

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with new literacy, namely data literacy, technology and human resources. Data literacy is the ability to read, analyze and utilize information from the data obtained. While technological literacy is the ability to understand mechanical and technological systems in the world of work. While human resource literacy is the ability to interact well, not rigidly, and with character.

Era society 5.0.or the era of society 5.0, is an era, where society lives in the era of industry 4.0. The era of industry 4.0 is an era where people's activities are interconnected with the internet or satellite network, so that a paradigm emerges, an era of very sophisticated human life. The era of society 5.0 is a period that is centered on humans (human centered) and based on technology (technology based). Therefore, artificial intelligence will be fully dedicated to improving human ability in finding and opening up various opportunities that humans have. This era requires human resources needed in the era of society 5.0, including: 1) leadership, 2) language, 3) IT Literacy, and 4) writing skills. So, the era of society 5.0 forces qualified human resources, meaning, having capacity in their scientific fields and applying them in life without eliminating noble values according to their beliefs.

According to the UGM Center for Innovation and Academic Studies (2020), Society 5.0 is a constellation of community life that focuses on aligning human needs effectively and efficiently, which can keep up with technological and economic progress through solving various social problems, by utilizing a system that connects cyberspace and physical space in an integrated manner. This concept aims to create a society that can survive various social problems and challenges faced by utilizing innovations from the industrial revolution. These innovations include technologies: Big Data, Artificial Intelligence, Internet of Things (IoT). Data The term "big data" describes a collection of data that is so large and complex that conventional applications cannot process it

adequately. This term also refers to the tools and technologies used to handle big data. An example of the implementation of big data is the amount of data presented every day via the Internet such as Google maps, YouTube videos, Twitter feeds, data graphic position systems and so on.⁶

Internet of Things (IoT) is an activity of interaction between subjects and objects by utilizing the internet. The use of IoT is found in various activities, for example: the number of online transportation, e-commerce, online ticket bookings, live streaming, e-learning and others, even to tools for certain fields such as remote temperature sensors, GPS tracking, and so on that use the internet or network as a medium to do so. In the field of education, IoT is able to carry out all activities using an organized and structured system, and has a proper documentation system.⁷

In the context of rapid technological developments and social change, the study of legal sociology on the need to immediately implement digital transactions is very relevant. The implementation of digital transactions is not only related to economic aspects, but also includes various important social and legal dimensions. Legal sociology sees that digital transactions represent a significant change in the way society interacts and transacts. This shift creates new opportunities, but also challenges, which require adjustments to legal regulations to remain relevant and responsive to the needs of society. In digital transactions, there is a higher potential risk of fraud, data theft, and unfair business practices. Therefore, it is important to immediately build a legal

⁶Agustini, Ketut. (2017). Inovasi Teknologi dalam Pendidikan melalui Big Data Analytic dan Personalized Learning. Prosiding Seminar Nasional Pendidikan Teknik Informatika (SENAPATI) Ke-8. Bali, 9 September 2017.

⁷Meutia, E. D. (2015). Internet of Things–Keamanan dan Privasi. Seminar Nasional dan Expo Teknik Elektro, pp. 85-89, 2015.

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framework that protects consumers and ensures fairness in every transaction. This includes clear regulations regarding the responsibilities of business actors. Legal sociology highlights the importance of social inclusion in the digitalization process.

Digital transactions must be designed to ensure that all levels of society, including vulnerable groups, have equal access. Research can identify barriers faced by certain groups and provide recommendations to address these issues. Trust is a key element in digital transactions. Legal sociology studies can help understand how social norms and values influence people's trust in existing technology and legal systems. Building this trust is important to encourage widespread adoption of digital transactions. Rapid changes in information technology require a fast and adaptive legal response.

This study can explore how the law can adapt to the dynamics of digital transactions, as well as the importance of collaboration between stakeholders to create effective and equitable regulations. The ethical aspect of digital transactions is a major concern in this study. How business actors handle user data and transparency in business must be the focus to prevent ethical violations and ensure responsible business practices. The implementation of digital transactions also has significant social and cultural impacts. Legal sociology can analyze how these changes affect social relations, community values, and interaction patterns in the digital era.

The Society 5.0 era is important for the digitalization of the economy for a number of reasons related to technological development, social change, and the need to create a more sustainable society. Society 5.0 emphasizes the use of advanced technologies, such as artificial intelligence (AI), the Internet of Things (IoT), and big data, to improve the quality of life. In an economic context, these

technologies can improve operational efficiency, facilitate innovation, and create new business models. The digitalization of the economy in this era allows more individuals and small businesses to participate in economic activities. Through digital platforms, access to markets and financial services becomes easier, encouraging social and economic inclusion. The digitalization of the economy in this era allows more individuals and small businesses to participate in economic activities. Through digital platforms, access to markets and financial services becomes easier, driving social and economic inclusion. Technology allows companies to offer products and services that are more tailored to individual needs. With in-depth data analysis, businesses can understand consumer preferences and create more personalized experiences, increasing customer loyalty. Data generated from digital transactions allows companies and governments to make more informed decisions.

Data analysis can identify trends, market needs, and potential risks, which are essential for better economic strategies. Society 5.0 focuses on sustainability. The digitalization of the economy can help in more efficient resource management, reduce waste, and create more environmentally responsible business models. This is in line with the demands of society for sustainable business practices. This era encourages greater innovation in various sectors. With digital technology, companies can innovate faster and create products and services that are more relevant to the needs of society. The digitalization of the economy can increase economic resilience, especially in the face of a crisis. With a strong digital system, businesses can adapt more quickly to changing market conditions and maintain their operations.

The Society 5.0 era is an important milestone in the journey of economic digitalization. By integrating technology into every aspect of life, we can create a more inclusive, innovative, and sustainable economic ecosystem. The success of economic digitalization in this era depends heavily on collaboration between the public and private sectors, as well as the active participation of society in adopting new technologies.

The sociology of law, digital transactions, and the Society 5.0 era are interrelated in complex ways. This relationship includes how law adapts to social and technological changes and how social interactions are affected by legal practices and digitalization. Digital transactions bring significant changes in the way individuals and groups interact. The sociology of law helps understand how these changes affect existing legal norms, values, and practices. In Society 5.0, legal adaptation becomes important to address new issues that arise, such as data protection, privacy, and the social responsibility of business actors. With the increasing use of digital transactions, there is an urgent need for a clear regulatory framework.

The sociology of law plays a role in analyzing how the law can protect consumers and ensure fairness in transactions. This is important to build public trust in the ever-evolving digital technology. The sociology of law focuses on issues of injustice and inequality. In the context of digital transactions, it is important to ensure that all levels of society have equal access. This includes understanding the barriers that exist and how law can contribute to creating social inclusion in the digital age. Sociology of law explores the relationship between social norms and legal practices. In the era of Society 5.0, business ethics in digital transactions becomes very important.

This involves questions about the responsibilities of business actors to consumers and society as a whole, as well as the social impact of their business

practices. Trust is a key element in digital transactions. Sociology of law helps understand how social norms and law can support each other to build trust between users and service providers. This includes effective regulation, transparency, and accountability in business practices. Sociology of law can provide insights into how law adapts to technological innovation. In the context of Society 5.0, rapid changes in digital technology require the legal system to be responsive and flexible, so that it can respond to emerging challenges without hindering technological progress.

CONCLUSION

The urgency of implementing digital transactions towards the Society 5.0 era is not only related to technological advances, but also involves complex social and legal aspects. Through a sociological legal approach, we can understand and overcome the challenges that arise, and maximize the potential of digital transactions to create a more just and prosperous society.

Overall, implementing digital transactions towards the Society 5.0 era is not just an option, but a necessity to ensure sustainable economic growth, social inclusion, and effective legal protection. Therefore, collaboration between the government, private sector, and society is essential to create a digital transaction ecosystem that is safe, fair, and beneficial for all. The relationship between the sociology of law, digital transactions, and the Society 5.0 era shows the importance of a multidisciplinary approach to understanding the social and legal impacts of digitalization.

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By utilizing a sociological legal perspective, we can identify existing challenges and formulate effective solutions to create a safe, fair, and inclusive digital transaction ecosystem. This is the key to building a more prosperous society in an era that is increasingly influenced by technology.

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