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Implementation of Fiscal Decentralization in the Digital Era: Effectiveness and Challenges in Indonesia

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Abstract

Fiscal decentralisation in the digital era brings new opportunities and challenges for its effectiveness in Indonesia. This article aims to analyse the implementation of fiscal decentralisation in the digital context, evaluate its effectiveness, and identify the challenges faced. The methodology used includes a literature review and secondary data analysis. The research findings indicate that implementing fiscal decentralisation in the digital era can enhance effectiveness in several aspects, such as financial transparency and accountability, efficiency in regional financial management, and increased public participation. However, this implementation also faces several challenges, including disparities in digital infrastructure between regions, limited human resource capacity in the areas, and insufficient regulations supporting the implementation of fiscal decentralisation in the digital era. Therefore, although budgetary decentralisation in the digital era holds significant potential to improve the effectiveness of regional financial management, serious efforts are needed to address these challenges. This includes investment in digital infrastructure, enhancement of human resource capacity, and the development of regulations that support the practical and safe application of technology.

Keywords: digital infrastructure, fiscal decentralisation, financial transparency, financial management efficiency, public participation

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INTRODUCTION

The principle of decentralisation in Indonesia is a policy implemented by the government since the enactment of Law No. 22/1999 concerning Regional Government and revised by Law No. 32 of 2004 and Law No. 23 of 2014 (Maria et al., 2019). This principle is believed to be a strategy for managing the country by implementing the concept of division and delegation of power from the central government to regional governments in managing their regions based on regional autonomy. In its implementation, the principle of decentralisation is intended to reduce the burden of tasks and responsibilities of the central government and increase the number and quality of public services to achieve a prosperous society. (Nuradhawati, 2019; Pramusinto et al., 2011; Talitha et al., 2020; Tauda, 2018). It is hoped that in its implementation, decentralisation will also improve the quality of regional heads' performance in providing public services and creating closer relations between the government and its people.

The implementation of autonomous government is expected to increase the efficiency, effectiveness, and accountability of the public sector in Indonesia. Regional autonomy requires local governments to provide alternatives as sources of development financing without reducing the hope of continued assistance and part of the central government by using public funds by the priorities and aspirations of the community. (I. M. A. Wi. W. Putra et al., 2024). The consequence is that with the implementation of regional autonomy, the division of power and authority between the central government and regional governments must be within the scope of the national monetary and fiscal fields, which are decentralised to the regions. (Ekawati, 2017).

Decentralisation policy in Indonesia will make regions more responsive and flexible in providing public services. Still, on the other hand, the implementation of the decentralisation policy also does corrupt practices that occur not only centred in the national government but also spread to local governments and even to village administrative areas (Darmayasa, 2017; Shara Ningsih et al., 2023; Zulkenedi et al., 2023). Based on a report from the Indonesia Corruption Watch (ICW), throughout 2023, there were 791 corruption cases recorded in Indonesia, with the number of suspects reaching 1,695 people and dominated by cases from regional governments (provinces

and cities/regencies) (Anandya & Ramadhana, 2024). The total state loss due to corruption cases in 2023 reached IDR 28.4 trillion (ICW, 2024). The large number of corruption cases at the regional level helps regional heads to harm the meaning of implementing decentralisation and causes state losses.

Fiscal decentralisation is an important component of the governance system that aims to give local governments greater authority in managing their financial resources. Decentralisation is a process in which government authority and responsibility are transferred from the central government to local governments so that regions have greater autonomy in managing their finances and resources. (Hastuti, 2018). In Indonesia, fiscal decentralisation began to be implemented significantly since the 1998 reforms to increase the efficiency and effectiveness of public services, as well as strengthen community participation in the regional development process (Saragih, 2003). In this context, fiscal decentralisation involves transferring authority and responsibility from the central government to local governments in managing local revenues and expenditures. Fiscal decentralisation refers to transferring government

authority and responsibility from the centre to the regions, giving regions greater autonomy in managing their finances and resources (K. A. Simanjuntak, 2015). This fiscal decentralisation policy transfers government authority and responsibility from the centre to the regions, giving regions more freedom to manage their finances and resources. Fiscal decentralisation is expected to increase the ability of regions to manage finances independently and reduce dependence on assistance from the central government. In addition, fiscal decentralisation aims to reduce vertical fiscal inequality between the central government and regional governments and reduce the horizontal fiscal capacity gap between regions.

In its implementation, fiscal decentralisation in Indonesia is characterised by transferring significant financial resources from the central government to regional governments. This is realised through transferring funds to the regions and increasing Regional Original Income (PAD). This fiscal decentralisation is expected to improve the quality of public services, strengthen the ability of regions to manage their finances and improve public welfare. Fiscal decentralisation in Indonesia is characterised by

transferring significant financial resources from the central government to regional governments through the transfer of funds and the increase in Regional Original Income (Ginting et al., 2019). This policy aims to improve the quality of public services, strengthen the ability of regions to manage their finances and improve public welfare. Soejoto et al. (2015) stated that fiscal decentralisation can increase the Human Development Index (HDI) by providing more funds for public spending in the education and health sectors. Fiscal decentralisation aims to increase the efficiency and effectiveness of regional financial management and strengthen community participation in decision-making.

Research on acts of corruption in Indonesia has been studied by (Arifin & Irsan, 2019; Fatkhuri, 2019; Guntara, 2020; Maria et al., 2019), in this research, the majority discusses the analysis of Cressey's (1953) fraud triangle theory, which is used to identify factors that encourage fraud or corruption in regional governments in Indonesia. From the analysis of this theory, corruption fraud occurs around regional governments if there is pressure, opportunity, and rationalisation. The pressure to commit corruption is stated and found by

measuring the performance ratio of the budget (Maria et al., 2019), from local revenue and accountability of regional financial performance. This results in an excellent opportunity for regional officials to carry out complex acts of corruption (Fatkhuri, 2019; Guntara, 2020). The above research has not analysed and mapped the relationship between fiscal decentralization and corruption. This makes research that examines the relationship between fiscal decentralization and corruption in local governments attractive. Therefore, this research was conducted to obtain empirical evidence of the relationship between fiscal decentralisation and local governments' corruption by utilising digital technology's development in regional financial accountability.

The development of digital technology has brought significant changes in various aspects of life, including in the implementation of fiscal decentralisation in Indonesia. Digital technology increases transparency and accountability in regional financial management through more sophisticated and easily accessible information systems. In addition, digital technology can also support efficiency in managing financial resources, such as through e-budgeting and e-audit applications that simplify the process of

financial planning, supervision, and reporting. However, the development of this technology also presents challenges, such as the need for adequate technological infrastructure and increasing human resources capacity in local governments to utilise this technology optimally. In this article, we will discuss further the definition and explanation of fiscal decentralisation, the expected goals, and the implications of the development of digital technology on fiscal decentralisation.

METHOD

The research approach used in this article is a literature study with a qualitative research type. Literature study is a method that relies on the collection and analysis of data from various relevant literature, such as books, scientific journals, research reports, and other documents (Millah et al., 2023). The unit of analysis in this study is the policy and implementation of fiscal decentralisation in Indonesia, especially in the context of the digital era. The analysis focuses on the effectiveness and challenges faced in implementing fiscal decentralisation by considering the development of digital technology. This literature study collected data from various secondary sources previously published. The data analysis process involves the interpretation and synthesis of information from various literature to gain a deep understanding of the topic discussed (I. M. A. W. W. Putra & Sajida, 2023). With this approach, the article aims to provide a comprehensive overview of the implementation of fiscal decentralisation in the digital era in Indonesia, evaluate its effectiveness, and identify the challenges faced. In the context of the selected unit of analysis, fiscal decentralisation policy and implementation, the literature study provides a strong foundation for understanding the dynamics that occur in the field.

In this way, the article relies on new findings and extends previous discussions and theories on how digital technologies can optimise fiscal decentralisation (Bur & Hajri, 2018; Guntara, 2020). Secondary data collected from various sources can include case studies from various regions in Indonesia, providing diverse perspectives that support the generalisation of research results. Through careful interpretation and synthesis of information, the article's author can describe the prospects and challenges local governments face in implementing this initiative effectively. In addition, this desk study approach

allows researchers to compare best practices implemented in various countries or other similar contexts. Thus, this study is relevant to public policy in Indonesia and can significantly contribute to the global literature on public administration and fiscal decentralisation. An in-depth understanding of critical issues such as data security, supportive regulations, and community participation can provide valuable input for future policy formulation, especially in utilising the potential of digital technology to improve local financial governance holistically.

RESULTS AND DISCUSSION

This study analyses the potential and challenges of implementing fiscal decentralisation in the digital era, focusing on its effectiveness in Indonesia. The study collected data from relevant literature, including books, scientific journals, research reports, and other documents.

Potential for Implementing Fiscal Decentralization in the Digital Era

In the digital era, fiscal decentralisation offers excellent potential to improve the efficiency and effectiveness of financial management at the regional level. Fiscal decentralisation transfers part of the authority to manage finances from the central government to regional governments (Muñoz, 2018). This step aims to increase efficiency and effectiveness in using public resources and strengthen the accountability of local governments to local communities. The potential for implementing fiscal decentralisation in the digital era refers to the opportunities and benefits of applying digital technology to support fiscal decentralisation. Fiscal decentralisation transfers part of the financial management authority from the central government to local governments. Information and communication technology can increase transparency, efficiency, and public participation in regional financial management in the digital era. Digital technology in regional financial administration can accelerate the recording and reporting process, reduce manual errors, and enable more transparent monitoring. This makes it easier to manage the budget and ensures that public funds are used optimally and on target. The potential for implementing fiscal decentralisation in the digital era is vast, especially in increasing transparency, efficiency, and public participation in regional financial management. Digital technology can

open access to information more widely and in real time so that the public can monitor regional budgets more effectively (Saputra & Setiawan, 2021). In addition, automated and integrated administrative processes through digital systems can reduce operational costs and speed up public services.

This potential includes increasing access and distribution of information in real-time, reducing administrative costs through process automation, and increasing local government accountability through better reporting systems and more effective oversight by the community. This implementation also allows for innovation in public services and optimisation of local revenue management through digital systems such as e-tax and e-government. To realise this potential fully, firm commitment and cooperation are needed from all parties involved, including the central government, local governments, the private sector, and the community. The development of adequate digital infrastructure is also a key factor. This includes increasing internet access throughout the region, developing a reliable financial management information system, and training and increasing the capacity of human resources at the regional level to operate this new technology effectively. With the synergy between shared commitment and adequate infrastructure support, digital-based fiscal decentralisation can be essential in realising better governance responsive to community needs.

Research conducted by Sayekti & Putarta (2016) related to the application of the Technology Acceptance Model (TAM) in testing the acceptance of the Regional Financial Information System (SIPKD) in the Special Region of Yogyakarta Province. This study emphasises two main aspects: perceived usefulness and ease of use. The study results indicate that perceived benefits significantly affect the acceptance of SIPKD, while ease of use does not. This is also reinforced by the discussion Dewi & Mimba (2014), which indicates that users of the Regional Financial Information System (SIPKD) prioritise the benefits of using the system over its convenience. The implications of this study highlight the importance of increasing the perceived benefits of SIPKD to encourage user acceptance. In the context of fiscal decentralisation in the digital era, these results indicate that the success of implementing financial technology in local governments depends on the perception of straightforward and

significant benefits for users, so strategies to increase the use of technology must focus on increasing the efficiency and effectiveness of the system in supporting regional financial tasks. An example of the Regional Financial Information System (SIPKD) application is a system implemented in local governments to improve efficiency, transparency, and accountability in regional financial management. SIPKD allows financial managers in each Regional Work Unit (SKPD) to record and report finances digitally. This implementation aims to accelerate the financial administration process and ensure that financial data can be accessed quickly and in real-time. Yogyakarta has implemented this system in its regional financial management (Rosita & Rosalina, 2023).

Transparency and Accountability of Regional Finances

Transparency and accountability in regional financial management are two main pillars in achieving optimal governance. These two aspects play a crucial role in ensuring that public funds are managed effectively and efficiently according to the community's needs and interests. Regional financial transparency refers to the openness of regional governments in conveying information related to financial management to the public. This includes information on budget planning, implementation, and reporting on the use of funds. (Jubaedah, 2021). Fiscal decentralisation in the digital era has excellent potential to increase transparency and accountability of regional finances. Regional financial accountability is the responsibility of the regional government to report, explain, and be accountable for every use of public funds to the community and related parties (Ludani et al., 2015). By using digital technology, such as web-based financial information systems, local governments can provide easier access for the public to monitor budgets and expenditures. This increases public trust in local government and encourages better financial management practices.

Digital technology, such as the Regional Financial Information System (SIFD) and the Regional Financial Management System (SPKD), can increase transparency and accountability in regional financial management. This system allows for the use of more accurate and faster data in financial management and strengthens regions' ability to manage finances independently. (Patrisia et al., 2021). Local governments that adopt digital technology can utilise various tools to

publish detailed and real-time financial information. For example, a publicly accessible financial dashboard allows citizens to view details of the budget, expenditures, and regional revenue sources. This transparent information not only facilitates public oversight but also encourages active participation from citizens in the decision-making process. When the public can see how public funds are managed, they tend to trust and support government policies. In addition, digital technology also allows for more efficient and accurate auditing and reporting. This system can track every transaction automatically and provide financial reports that are easily accessible to auditors and supervisors. There are several steps that local governments can take to implement transparency. First, budget publication must be carried out correctly. Local governments must publish budget plans and financial reports through media that are easily accessible to the public, such as official websites. Second, public participation needs to be encouraged.

The government can involve the public in budget planning and monitoring through discussion forums, public consultations, and development planning meetings (Musrenbang). Third, the use of open information systems is

crucial. Information technology can be used to provide open access to regional financial data and information so that the public can easily access and understand the information. Implementing these steps will help realise adequate transparency in regional financial management. Meanwhile, accountability ensures that local governments are responsible for every use of public funds, encourages more careful financial management and prevents corruption and misuse of funds. To realise optimal transparency and accountability, commitment and cooperation are needed from various parties, including the central government, local governments, the private sector, and the community. The development of information technology infrastructure, increasing human resource capacity, and bureaucratic reform supporting openness and responsibility are essential steps to be taken. Thus, transparency and accountability are tools to monitor public funds' use and become the foundation for sustainable development and government that is responsive to the community's needs. With a clear digital footprint, cases of misuse of funds can be identified and handled more quickly. Implementing technologies such as blockchain in regional financial systems

can also strengthen the security and integrity of financial data, ensuring that all transactions are recorded transparently and cannot be changed.

Efficiency of Regional Financial Management Using Data Analysis

Implementing digital technology allows various financial administration processes to automate, thereby reducing workload and increasing efficiency. Financial applications and computer-based management systems can speed up the process of recording and reporting finances and reduce human error. This contributes to more effective budget management that is responsive to local needs. Data analysis can help regions manage finances more effectively. (R. Simanjuntak, 2003). Data analysis can be used to study regional financial trends, identify revenue potential, and optimize the use of financial resources. Using analytical data in the efficiency of regional financial management is a critical step in improving the often complex and time-consuming financial administration process. In this context, digital technologies such as financial applications and computer-based management systems are crucial in automating financial recording, reporting, and analysis. With an integrated and data-based system, local governments can reduce the workload of employees and increase the accuracy and speed of producing financial reports (Putri & Aswar, 2022)Data analysis can monitor income and expense trends, identifying patterns that might lead to savings or more efficient resource use.

In addition, using technologies such as machine learning can help predict budget fluctuations, allowing local governments to take preventive measures more timely. In this way, regions can make more informed decisions in managing their finances. Data analysis technology also allows local governments to adopt a more proactive approach to financial management. For example, with machine learning algorithms and data-based predictions, the government can anticipate fluctuations in income or expenditure and prepare appropriate mitigation measures. This helps maintain regional financial stability and ensures public services run without interruption. Thus, integrating data analysis in regional financial management improves efficiency and effectiveness and supports the sustainability of better regional development.

Increasing Community Participation

The digital era opens up great opportunities for increasing public

participation [24] in the fiscal decision-making process at the regional level. Digital platforms such as government portals, mobile applications, and social media make it easier for citizens to provide input, ask questions, and monitor the use of public funds. More active participation from the community increases transparency and accountability and encourages policies that are more targeted and in line with local needs. More active public participation can also be measured by the increase in citizens' involvement in budget monitoring activities. Programs such as the development planning meeting (Musrenbang), which can now be accessed online, allow more citizens to participate without being physically present (Salsabela & Darmawan, 2024).

This increased participation is beneficial in terms of transparency and enriches the decision-making process with diverse perspectives that may have previously been unheard of. As a result, the resulting policies become more inclusive and relevant to local conditions. Local governments need to ensure that these digital initiatives are accompanied by efforts to improve the community's digital literacy. Training and workshops are essential to educate citizens on using these digital platforms. Only then can technology truly empower communities and ensure that all levels of society can actively participate in managing local finances. This will create a positive cycle where increased community participation drives increased transparency, accountability, and effectiveness of local finance management.

Challenges of Implementing Fiscal Decentralization in the Digital Era

Implementing fiscal decentralisation in the digital era faces several strategic issues requiring comprehensive handling. Some of these challenges are listed below.

Digital Infrastructure Gap Between Regions

The first challenge in implementing fiscal decentralisation in the digital era is the digital infrastructure gap between regions (Lestari, 2023). Uneven digital infrastructure can be a severe barrier to harnessing technology's potential to improve local financial management's efficiency. Some regions may still face limited internet access, slow connection speeds, or a lack of adequate digital communications infrastructure. For example, rural or remote areas often have more limited technology access than more developed urban areas. This gap can affect the ability of local governments to adopt digital-based

financial management applications and systems effectively. Financial recording, reporting, and analysis processes can be hampered or suboptimal without adequate access to technology. To overcome these challenges, significant investment is needed in developing digital infrastructure across the region, including remote areas.

The central government and local governments need to work with the private sector and financial institutions to expand the reach of digital infrastructure, such as providing stable and cheap internet networks and technology education for local communities. In addition, initiatives to increase digital inclusiveness and digital literacy in disadvantaged areas are also significant. Training in the use of information and communication technology (ICT) can help improve the skills of communities and local governments in managing finances effectively by utilising advances in digital technology. Thus, the gap in digital infrastructure between regions can be gradually overcome so that all local governments can access and utilise the full potential of fiscal decentralisation in the digital era.

Limited Human Resource Capacity in the Region

The limited capacity of human resources in the regions, especially related to technological competence, is a severe challenge of implementing fiscal decentralisation in the digital era. Article compiled by Sihombing et al., (2024) highlighted that many local government employees still do not have adequate skills in utilizing digital technology for financial management. This situation slows down the adoption of the regional financial information system (SIFD) or regional financial management system (SPKD) and reduces efficiency and effectiveness in the financial administration process. Without adequate technological capabilities, local governments may have difficulty tracking budgets, managing payments, and reporting finances in a timely and accurate manner. Efforts to overcome these limitations require investment in training and capacity building. Regular training programs need to be held to improve the digital literacy and technical skills of employees. In addition, training should also include aspects of information security and data protection, given the sensitivity of financial data managed by local governments. Collaboration with technology education and training institutions at the local level can be an

effective solution to provide relevant and up-to-date curricula for local government employees. Thus, employees can be equipped with the knowledge and skills to manage and optimise existing financial information systems.

Local governments also need to ensure that training programs not only focus on the use of specific applications and software, but also on a deeper understanding of the implementation of technology in the context of public financial management. These steps must be sustainable and integrated into the region's strategic plan for human resource development. By having skilled and trained human resources, local governments can reduce the gap in competency in financial management and build a strong foundation for digital transformation in public administration. This will not only increase financial transparency and accountability but also support the efficient use of public budgets, which is the primary responsibility of local governments. Overall, increasing the capacity of human resources in adopting digital technology is critical to maximizing the potential of fiscal decentralisation in the digital era. By proactively facing this challenge through appropriate and sustainable training programs, local

governments can ensure that digital technology is a tool and a catalyst for the progress of inclusive and sustainable public administration for local communities.

Lack of Regulations Governing the Implementation of Fiscal Decentralization in the Digital Era

One of the main challenges in implementing fiscal decentralization in the digital era is the lack of regulations governing the use of technology in regional financial management. Inadequate regulations can hinder the implementation of a regional financial information system (SIFD) or a regional financial management system (SPKD) based on digital technology effectively (Simanjuntak et al., 2023). Kebijakan yang tidak jelas dan terstruktur dapat menimbulkan ketidakpastian hukum, mengurangi kepercayaan publik, dan memperlambat adopsi teknologi oleh pemerintah daerah. Pentingnya regulasi yang komprehensif menjadi semakin mendesak seiring dengan percepatan transformasi digital di berbagai sektor, termasuk administrasi publik. Regulasi ini tidak hanya harus mengatur penggunaan teknologi untuk meningkatkan transparansi dan akuntabilitas keuangan daerah, tetapi juga perlindungan data dan keamanan informasi (Hastuti, 2018). With a clear

regulatory framework, local governments can implement technological innovations with more confidence, ensuring that the use of digital technology brings maximum benefits to the efficiency and responsiveness of financial management. Steps towards more mature regulations can involve intensive consultation with legal, technology, and civil society experts to ensure that the interests of all parties are represented in policy formulation. In addition, regular monitoring and evaluation of the implementation of regulations needs to be carried out to adjust to technological developments and the increasingly complex needs of local administration.

Selain tantangan infrastruktur digital, keterbatasan kapasitas sumber daya manusia, dan minimnya regulasi yang mendukung, masih ada tantangan lain yang signifikan dalam implementasi desentralisasi fiskal di era digital. Salah satunya adalah masalah keamanan dan perlindungan data dalam pengelolaan keuangan daerah yang menggunakan teknologi digital (Siswati & Inayati, 2022). The use of regional financial information systems (SIFD) or web-based applications for recording, reporting and budget management requires strong protection of sensitive data such as financial information and

personal data (Supriadi, 2024). Cybersecurity threats such as hacking and data theft can threaten the integrity of the system and public trust in local governments. The issue of interoperability between platforms and systems is another equally important challenge. In the digital era where everything is connected, it is important for local governments to ensure that the various systems used for financial administration can integrate well. This allows for smooth data flow and effective use of information in decision making. However, in practice, interoperability is often a problem due to differences in technical standards, data formats, or incompatible infrastructure between systems used in different regions.

Budget and cost issues are important challenges in implementing digital technologies for fiscal decentralization. The initial investment required to build adequate digital infrastructure and develop human resource capacity is not always easy for local governments to overcome, especially in areas with limited budgets. In addition to investment costs, operational costs to maintain systems and ensure the security and sustainability of digital technology use also need to be seriously considered. By

understanding and addressing these challenges, local governments can optimize the potential of fiscal decentralization in the digital era, ensuring efficiency, transparency, and accountability in better local financial management.

Discussion

Based on the results of the literature study, it can be seen that the potential for implementing fiscal decentralization in the digital era is very large, especially in increasing transparency, accountability, efficiency, and community participation. However, the existing challenges cannot be ignored. The digital infrastructure gap, limited human resource capacity, and minimal regulations are obstacles that need to be overcome to realize effective fiscal decentralization. Table 1 illustrates the potential and challenges in implementing fiscal decentralization in the digital era.

Table 1. Potential and Challenges of Implementing Fiscal Decentralization in the Digital Era

Categoty	Implementation Potential	Implementation Challenges
Transparency and Accountability of Regional Finances	1. Improving transparency and accountability through web-based financial information systems (SIFD, SPKD) 2. Use of public financial dashboards for real-time monitoring of budgets and expenditures 3. Reduce manual errors and speed up the reporting process 4. Blockchain technology for financial data security and integrity	1. The digital infrastructure gap between regions hinders technology adoption 2. Limited human resource capacity in technological competence in the region 3. Lack of regulations governing the use of technology in regional financial management
Efficiency of Regional Financial Management Using Data Analysis	1. Automate financial administration processes to reduce workload and increase efficiency 2. Utilizing data analysis to study financial trends and optimize resource use 3. Adoption of machine learning to predict income or expense	1. Limited access to technology in remote areas 2. Lack of training and capacity development of employees in the use of digital technology 3. Unclear and unstructured policies can create legal uncertainty and hinder

	fluctuations 4. Enables a proactive approach to regional financial management	technology adoption
Increasing Community Participation	1. Leveraging digital platforms to increase public participation in fiscal decision-making 2. Government portals, mobile apps and social media for citizen interaction 3. Online development planning meetings (Musrenbang) allow participation without having to be physically present. 4. Educating citizens about the use of digital platforms through training and workshopsp	1. Limited digital literacy among the community 2. Infrastructure gaps that limit access to digital platforms 3. The need for continued efforts to improve digital literacy and technical skills of communities for effective participation

The explanation of table 1. illustrates the great potential of fiscal decentralization in the digital era in increasing transparency, accountability, and efficiency of regional financial management. However, challenges such as the digital infrastructure gap, limited human resource capacity, and minimal regulations need to be overcome to optimize the benefits of the digital transformation. Overall, the implementation of fiscal decentralization in the digital era promises great potential to increase the effectiveness of regional financial management. However, to optimize its benefits, solutions are needed to challenges such as equitable digital infrastructure, human resource capacity development, and the preparation of regulations that support the effective application of technology. With the right steps, Indonesia can take advantage of the digital era to achieve greater transparency, efficiency, and community participation in regional financial management.

CONCLUSION

Based on the analysis of the potential and challenges of implementing fiscal decentralization in the digital era in Indonesia, it can be concluded that digital transformation offers significant opportunities to improve efficiency, transparency, accountability, and public participation

in regional financial management. The use of technology such as regional financial information systems (SIFD), web-based applications, and data analysis can optimize budget management and enable more accurate and real-time monitoring of public spending. However, the implementation process is not free from a number of crucial challenges. The suitability of digital infrastructure, especially in remote areas, and the limited capacity of human resources in utilizing digital technology are the main obstacles. The lack of regulations governing the use of technology in regional financial management makes it difficult to apply technology evenly and effectively throughout the region. To overcome this challenge, collaboration is needed between the central government, regional governments, the private sector, and civil society to build an equitable digital infrastructure, improve digital literacy, and formulate supportive and clear regulations. Only with these steps can Indonesia maximize the potential of fiscal decentralization in the digital era to achieve sustainable and inclusive regional development. Thus, the implementation of fiscal decentralization in the digital era is not only about the use of technology, but

also about how to overcome structural barriers to create an environment that supports innovation and efficient and competitive regional financial management.

REFERENCES

Anandya, D., & Ramadhana, K. (2024). Laporan Hasil Pemantauan Tren Korupsi Tahun 2023. In *Indonesia Corruption Watch*.

Arifin, M. Z., & Irsan, I. (2019). KORUPSI PERIZINAN DALAM PERJALANAN OTONOMI DAERAH DI INDONESIA. *Lex Librum: Jurnal Ilmu Hukum*, *5*(2), 887–896. https://doi.org/http://doi.org/10.5281/zenodo.3187323

Bur, A., & Hajri, W. A. (2018). Pertimbangan Pembentukan Peraturan Perundang-Undangan Daerah Mengenai Pengelolaan Air Limbah Domestik Di Kabupaten Bengkalis. *UIR Law Review*, *2*(02), 404–413. https://doi.org/https://doi.org/10.25299/uirlrev.2018.vol2(02).1608

Darmayasa, I. N. (2017). TELAAH KRITIS DESENTRALISASI FISKAL DI INDONESIA. *Jurnal PETA*, *2*(1), 94–107.

Dewi, P. A., & Mimba, N. P. S. H. (2014). Pengaruh Efektivitas

Penerapan Sistem Informasi Pengelolaan Keuangan Daerah (SIPKD) Pada Kualitas Laporan Keuangan. *E-Jurnal Akuntansi Universitas Udayana*, *8*(3), 442–457.

Ekawati, S. (2017). (Is Decentralization Improving Public Services? A Study of Forestry Company's Perception towards Government Services Before and After Decentralization. *Jurnal Analisis Kebijakan Kehutanan*, *14*(1), 79–92. https://doi.org/10.20886/jakk.2017.14.1.79-92

Fatkhuri, F. (2019). Desentralisasi Pendidikan di Indonesia : Korupsi dan Problem Politik Kekuasaan. *KEMUDI : Jurnal Ilmu Pemerintahan*, *3*(2), 278–297. https://doi.org/10.31629/kemudi.v3i2.874

Ginting, A. M., Hamzah, M. Z., & Sofilda, E. (2019). The impact of fiscal decentralization on economic growth in Indonesia. *Economic Journal of Emerging Markets*, *11*(2), 152–160. https://doi.org/10.20885/ejem.vol11.iss2.art3

Guntara, B. (2020). Maraknya Korupsi Di Pemerintahan Daerah Dalam Era Desentralisasi. *Yuriska : Jurnal Ilmiah Hukum*, *12*(1), 11–24. https://doi.org/10.24903/yrs.v12i1.813

Hastuti, P. (2018). Desentralisasi Fiskal Dan Stabilitas Politik Dalam Kerangka Pelaksanaan Otonomi Daerah Di Indonesia. In A. Darono & B. Widjajarso (Eds.), *Simposium Nasional Keuangan Negara* (Vol. 1, Issue 1, pp. 784–799). Badan Pendidikan dan Pelatihan Keuangan. https://jurnal.bppk.kemenkeu.go.id/snkn/article/view/293

ICW. (2024). *Tren Penindakan Kasus Korupsi Tahun 2023*. Indonesia Corruption Watch. https://antikorupsi.org/id/tren-penindakan-kasus-korupsi-tahun-2023

Jubaedah, E. (2021). Implementasi kebijakan transparansi keuangan di daerah. *Jurnal Ilmu Administrasi*, *VIII*(34), 288–299. https://doi.org/https://doi.org/10.31113/jia.v8i3.291

Lestari, R. A. (2023). Tantangan Desentralisasi Fiskal. *Jurnal Ilmu Sosial Dan Ilmu Politik*, *3*(1), 61–67. https://doi.org/10.30742/juispol.v3i1.2890

Ludani, M. marcori, Tampi, G. budi, & Pombengi, J. (2015). Akuntabilitas

Dalam Pengelolaan Keuangan Daerah (Suatu Studi Pada Dinas Pendapatan Daerah Kabupaten Banggai Kepulauan) Melina marcori ludani Gustaf budi tampi Jericho pombengi. *Jurnal Akuntansi Pemerintaha*.

Maria, E., Halim, A., Suwardi, E., & Miharjo, S. (2019). Desentralisasi fiskal dan probabilitas terjadinya korupsi: Sebuah bukti empiris dari Indonesia. *Jurnal Ekonomi Dan Bisnis*, *22*(1), 1–22. https://doi.org/10.24914/jeb.v22i1. 2036

Millah, A. S., Apriyani, Arobiah, D., Febriani, E. S., & Ramdhani, E. (2023). Analisis Data dalam Penelitian Tindakan Kelas. *Jurnal Kreativitas Mahasiswa*, *1*(2), 140– 153.

Muñoz, L. A. (2018). *International E-Government Development*.

Nuradhawati, R. (2019). Dinamika Sentralisasi Dan Desentralisasi Di Indonesia. *Jurnal Academia Praja*, *2*(01), 152–170. https://doi.org/10.36859/jap.v2i01. 90

Patrisia, N. E., Anwar, F., & Dwi, A. S. (2021). Penerapan Trasformasi Digital Pada Pelayanan Publik Di Bidang Pengelolaan Keuangan Provinsi Bengkulu. *Mimbar :*

Jurnal Penelitian Sosial Dan Politik, *10*(1).

Pramusinto, A., Widianingrum, A., Novianto, A., Wicaksono, A., & Kusumasari, B. (2011). *TINJAUAN STUDI MANAJEMEN DAN KEBIJAKAN PUBLIK DI INDONESIA: Menegaskan Identitas dan Meneguuhkan Relevansi* (G. Lele & W. Kumorotomo (eds.); 1st ed.). Gadjah Mada University Press.

Putra, I. M. A. W. W., & Sajida, S. (2023). Preparing for the Future Crisis : Lessons from Creative Economic Policies on Micro , Small , and Medium Enterprises in. *Jurnal Nuansa Akademik*, *8*(2), 255–276. https://doi.org///doi.org/10.47200/j najpm.v8i2.1688

Putra, I. M. A. Wi. W., Luthfi, A., Amali, A. C., & Nurhalisa, S. (2024). Optimization of Education System Implementation in Aceh Besar Regency. *REFORMASI*, *14*(1), 163–177. https://doi.org/https://10.33366/rfr. v%vi%i.5877

Putri, M., & Aswar, K. (2022). Local Government Financial Performance: The Role of Political Monitoring. *Science*, *7*(1), 1–8.

Rosita, E. N., & Rosalina, R. R. (2023).

Pengaruh Penerapan Sistem Informasi Pengelolaan Keuangan Daerah (SIPKD) dan Standar Akuitansi Pemerintah (SAP) Terhadap Akuntabilitas Laporan Kaungan Daerah. *International Journal of Technology*, *47*(1), 100950.

Salsabela, A. H., & Darmawan. (2024). Optimalisasi Desentralisasi Fiskal : Upaya Peningkatan Kesejahteraan Daerah Tertinggal di Indonesia. *Jurnal Ilmiah Ekonomi Dan Manajemen*, *2*(6). https://doi.org/https://doi.org/10.61722/jiem.v2i6.1536

Saputra, N. A. A., & Setiawan, D. (2021). Fiscal Decentralization, Accountability and Corruption Indication: Evidence from Indonesia. *Jurnal Bina Praja*, *13*, 29–40. https://doi.org/10.21787/jbp.13.2021.29-40

Saragih, J. P. (2003). *Desentralisasi fiskal dan keuangan daerah dalam otonomi*. Ghalia Indonesia.

Sayekti, F., & Putarta, P. (2016). Penerapan Technology Acceptance Model (TAM) Dalam Pengujian Model Penerimaan Sistem Informasi Keuangan Daerah. *Jurnal Manajemen Teori Dan Terapan| Journal of Theory and*

Applied Management, *9*(3), 196–209. https://doi.org/10.20473/jmtt.v9i3.3075

Shara Ningsih, K., Frinaldi, A., & Magriasti, L. (2023). Desentralisasi Fiskal Dalam Peyelenggaraan Otonomi Daerah di Indonesia. *Jurnal Ilmu Sosial Dan Pendidikan (JISIP)*, *7*(3), 2606–2614. https://doi.org/10.58258/jisip.v7i1.5389/http

Sihombing, R. S. T., Kartika, A. T., Sitompul, Y. S., & Yoseph Anugerah, A. R. (2024). Implementasi Desentralisasi Fiskal Dalam Upaya Mengentasan Kemiskinan Di Kabupaten Dan Kota Provinsi Jawa Barat. *Jurnal Informasi, Perpajakan, Akuntansi, Dan Keuangan Publik*, *19*(1), 81–96. https://doi.org/10.25105/jipak.v19i1.18658

Simanjuntak, K. A. (2015). Implementasi Kebijakan Desentralisasi Pemerintahan di Indonesia. *Jurnal Bina Praja*, *07*(02), 111–130. https://doi.org/10.21787/jbp.07.2015.111-130

Simanjuntak, R. (2003). Implementasi Desentralisasi Fiskal : Problema, Prospek, Dan Kebijakan. *Jurnal*

Ekonomi Bisnis, *4*, 1–34.

Simanjuntak, R., Elfrianto, E., Yusmidani, Y., & Saragih, V. (2023). Administrasi Tata Kelola dalam Implementasi Kurikulum Merdeka. *Jurnal Pendidikan Dan Konseling (JPDK)*, *5*(1), 2613–2619.

Siswati, D., & Inayati, I. (2022). Analisis Pajak Restoran Provinsi Dki Jakarta Di Era Digital Dalam Metode Swot. *Publik: Jurnal Manajemen Sumber Daya Manusia, Administrasi Dan Pelayanan Publik*, *9*(3), 449–459. https://doi.org/10.37606/publik.v9i3.337

Soejoto, A., Subroto, W. T., & Suyanto. (2015). Fiscal decentralization policy in promoting indonesia human development. *International Journal of Economics and Financial Issues*, *5*(3), 763–771.

Supriadi, I. (2024). Transformasi Sistem Perpajakan Menggunakan Teknologi Blockchain Untuk Meningkatkan Transparansi Dan Mengurangi Penyimpangan. *MUC Tax Journal*, *2*(1), 29–44. https://doi.org/10.61261/muctj.v2i1

Talitha, T., Firman, T., & Hudalah, D. (2020). Welcoming two decades of decentralization in Indonesia: a regional development perspective. *Territory, Politics, Governance*, *8*(5), 690–708. https://doi.org/10.1080/21622671.2019.1601595

Tauda, G. A. (2018). Desain Desentralisasi Asimetris Dalam Sistem Ketatanegaraan Republik Indonesia. *Administrative Law and Governance Journal*, *1*(4), 413–435. https://doi.org/10.14710/alj.v1i4.413-435

Zulkenedi, Z., Frinaldi, A., & Magriasti, L. (2023). Desentralisasi Administratif Untuk Mewujudkan Pelayanan Publik dan Tata Kelola Pemerintahan yang Baik. *Syntax Literate ; Jurnal Ilmiah Indonesia*, *8*(6), 4326–4333. https://doi.org/10.36418/syntax-literate.v8i6.12595

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