DAFTAR PUSTAKA

Amankwah-Amoah, J., Khan, Z., Wood, G., & Knight, G. (2021). COVID-19 and digitalization: The great acceleration. *Journal of Business Research*, *136*, 602–611. https://doi.org/10.1016/j.jbusres.2021.08.011

Anselin, L. (1995). Local Indicators of Spatial Association—LISA. *Geographical Analysis*, *27(2)*, *93–115*.

Ansell, C., & Gash, A. (2008). Collaborative Governance in Theory and Practice. *Journal of Public Administration Research and Theory*, *18*(4), 543–571. https://doi.org/10.1093/jopart/mum032

Aoki, M. (2001). *Toward a comparative institutional analysis*. MA: The MIT Press.

Armenta, A., Serrano, A., Cabrera, M., & Conte, R. (2012). The new digital divide: The confluence of broadband penetration, sustainable development, technology adoption and community participation. *Information Technology for Development*, *18*(4), 345–353. https://doi.org/10.1080/02681102.2011.625925

Arum, E. D. P., & Friyani, R. (2021). ADOPTION OF THE TRANSFORMATION DIGITALIZATION MSME OF JAMBI PROVINCE IN THE COVID ERA. *Jambi University*.

Blank, G., & Groselj, D. (2014). Dimensions of Internet use: Amount, variety, and types. *Information, Communication & Society*, *17*(4), 417–435. https://doi.org/10.1080/1369118X.2014.889189

Bloom, D. E., Canning, D., & Sevilla, J. (with Population Matters (Project)). (2003). *The demographic dividend: A new perspective on the economic consequences of population change*. Rand.

BPS. (2024). *Indeks Pembangunan Teknologi Informasi dan Komunikasi 2023* (Vol. 6). Badan Pusat Statistik.

Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, *3*(2), 77–101. https://doi.org/10.1191/1478088706qp063oa

Brennen, J. S., & Kreiss, D. (2016). Digitalization. In K. B. Jensen, E. W. Rothenbuhler, J. D. Pooley, & R. T. Craig (Eds.), *The International Encyclopedia of Communication Theory and Philosophy* (1st ed., pp. 1–11). Wiley. https://doi.org/10.1002/9781118766804.wbiect111

Bresnahan, T. F., & Trajtenberg, M. (1995). General purpose technologies 'Engines of growth'? *Journal of Econometrics*, *65*, 83–108.

Bruno, G., Esposito, E., Genovese, A., & Gwebu, K. L. (2011). A Critical Analysis of Current Indexes for Digital Divide Measurement. *The Information Society*, *27*(1), 16–28. https://doi.org/10.1080/01972243.2010.534364

Büchi, M., Just, N., & Latzer, M. (2016). Modeling the second-level digital divide: A five-country study of social differences in Internet use. *New Media & Society*, *18*(11), 2703–2722. https://doi.org/10.1177/1461444815604154

Chang, Y. S., Choi, M. C., Jo, S. J., Lee, Y., & Kim, Y. E. (2022). Convergence Analysis of Regional Digital Divide on Internet and Mobile Phone Usage in China. *SSRN Electronic Journal*. https://doi.org/10.2139/ssrn.4142874

Chang, Y. S., Jeon, S., & Shamba, K. (2020). Speed of Catch-up and Digital Divide: Convergence Analysis of Mobile Cellular, Internet, and Fixed Broadband for 44 African Countries. *Journal of Global Information Technology Management*, *23*(3), 217–234. https://doi.org/10.1080/1097198X.2020.1792231

Cohen, W. M., & Levinthal, D. A. (1990). Absorptive Capacity: A New Perspective on Learning and Innovation. *Administrative Science Quarterly, 35(1), 128–152*.

Cox, T. F., Cliff, A. D., & Ord, J. K. (1984). Spatial Processes: Models and Applications. *Journal of the Royal Statistical Society. Series A (General)*, *147*(3), 515. https://doi.org/10.2307/2981590

Creswell, J. W. (2013). *Qualitative inquiry and research design: Choosing among five approaches* (third edition). SAGE.

Cruz-Jesus, F., Oliveira, T., & Bacao, F. (2012). Digital divide across the European Union. *Information & Management*, *49*(6), 278–291. https://doi.org/10.1016/j.im.2012.09.003

Cruz-Jesus, F., Oliveira, T., & Bacao, F. (2014). Exploring the Pattern between Education Attendance and Digital Development of Countries. *Procedia Technology*, *16*, 452–458. https://doi.org/10.1016/j.protcy.2014.10.112

Cruz-Jesus, F., Vicente, M. R., Bacao, F., & Oliveira, T. (2016). The education-related digital divide: An analysis for the EU-28. *Computers in Human Behavior*, *56*, 72–82. https://doi.org/10.1016/j.chb.2015.11.027

Denzin, N. K. (2009). *The research act: A theoretical introduction to sociological methods*. AldineTransaction.

Deursen, A. J. A. M. V., Helsper, E. J., Eynon, R., & Dijk, J. A. G. M. van. (2017). The compoundness and sequentiality of digital inequality. *International Journal of Communication*.

Dijk, J. van. (2005). *The deepening divide: Inequality in the information society*. Sage Pub.

Doong, S. H., & Ho, S.-C. (2012). The impact of ICT development on the global digital divide. *Electronic Commerce Research and Applications*, *11*(5), 518–533. https://doi.org/10.1016/j.elerap.2012.02.002

Du, Z.-Y., & Wang, Q. (2024). Digital infrastructure and innovation: Digital divide or digital dividend? *Journal of Innovation & Knowledge*, *9*(3), 100542. https://doi.org/10.1016/j.jik.2024.100542

Dunn, W. N. (2017). *Public Policy Analysis: An Integrated Approach* (6th ed). Routledge.

Dunsire, A. (1978). *Implementation in Bureaucrtacy*. Oxford : Martin Robertson.

Dye, T. R. (2013). *Understanding public policy* (14th ed). Pearson.

Eschachasthi, R., Purwa, T., & Cendekia, D. G. (2021). Does Palapa Ring Project Infrastructure Bridging Connectivity and Economic Activity? *Proceedings of the International Conference on Data Science and Official Statistics (ICDSOS), 418–435*. https://proceedings.stis.ac.id/icdsos/article/view/99

Fukuyama, F. (2013). What Is Governance? *Governance*, *26*(3), 347–368. https://doi.org/10.1111/gove.12035

Gil García, J. R. (2012). *Enacting electronic government success: An integrative study of government-wide websites, organizational capabilities, and institutions*. Springer.

Gil-Garcia, J. R., Dawes, S. S., & Pardo, T. A. (2018). Digital government and public management research: Finding the crossroads. *Public Management Review, 20*(5), 633–646. https://doi.org/10.1080/14719037.2017.1327181

Gil-Garcia, J. R., Helbig, N., & Ojo, A. (2014). Being smart: Emerging technologies and innovation in the public sector. *Government Information Quarterly, 31*, I1–I8. https://doi.org/10.1016/j.giq.2014.09.001

Gong, Y., Yang, J., & Shi, X. (2020). Towards a comprehensive understanding of digital transformation in government: Analysis of flexibility and enterprise architecture. *Government Information Quarterly, 37*(3), 101487. https://doi.org/10.1016/j.giq.2020.101487

Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2019). Multivariate Data Analysis, Eighth Edition. *Cengage Learning, EMEA*.

Hall, P., & Soskice, D. (2001). Varieties of Capitalism: The Institutional Foundations of Comparative Advantage. *Oxford University Press, Oxford, 1-70*. http://dx.doi.org/10.1093/0199247757.003.0001

Heeks, R. (2002). Information Systems and Developing Countries: Failure, Success, and Local Improvisations. *The Information Society, 18*(2), 101–112. https://doi.org/10.1080/01972240290075039

Howard, P. N. (2007). TESTING THE LEAP-FROG HYPOTHESIS: The impact of existing infrastructure and telecommunications policy on the global digital divide. *Information, Communication & Society, 10*(2), 133–157. https://doi.org/10.1080/13691180701307354

Ismaniah, & Sastrodiharjo, I. (2025). Smart Governance and Digital Transformation in Local Public Services: A Systematic Analysis of Adaptive Governance in the Digital Era. *International Journal of Advanced Multidisciplinary, 4*(3).

ITU. (2016). *Measuring the Information Society Report 2016*. Switzerland Geneva.

ITU. (2017). Measuring the Information Society Report 2017. *Switzerland Geneva*.

ITU. (2024). The ICT Development Index 2024. *Geneva, Switzerland*.

Jayanthi, R., & Dinaseviani, A. (2022). Kesenjangan digital dan solusi yang diterapkan di Indonesia selama pandemi COVID-19. *Jurnal IPTEK-KOM (Jurnal Ilmu Pengetahuan Dan Teknologi Komunikasi), Vol. 24 No. 2*, 187–200.

Jenks, G. F. (1967). *The Data Model Concept in Statistical Mapping* (Vols. 7, 186–190). International Yearbook of Cartography.

Jolliffe, I. T. (2002). *Principal Component Analysis* (2nd ed.). Springer.

Kartiasih, F., Djalal Nachrowi, N., Wisana, I. D. G. K., & Handayani, D. (2023). Inequalities of Indonesia's regional digital development and its association with socioeconomic characteristics: A spatial and multivariate analysis. *Information Technology for Development, 29*(2–3), 299–328. https://doi.org/10.1080/02681102.2022.2110556

Katz, R., & Callorda, F. (2018). Accelerating the development of Latin American digital ecosystem and implications for broadband policy.

Telecommunications Policy, *42*(9), 661–681. https://doi.org/10.1016/j.telpol.2017.11.002

Katz, & Shapiro, C. (1994). Systems Competition and Network Effects. *Journal of Economic Perspectives*, *8*(2), 93–115. https://doi.org/10.1257/jep.8.2.93

Kementerian Komunikasi dan Informatika Republik Indonesia. (2024). *Indeks transformasi digital nasional*. Kementerian Komunikasi dan Informatika Republik Indonesia.

Kementerian Pendayagunaan Aparatur Negara dan Reformasi Birokrasi. (2025). *Transformasi digital pemerintah untuk kesejahteraan rakyat*. Materi pertemuan Menteri PANRB dan Menteri Komunikasi dan Digital.

Kingdon, J. W. (2014). *Agendas, Alternatives, and Public Policies* (Second Edition). Pearson Education.

Koswara, A. (2024). Digitalisasi Ekonomi di Pedesaan: Mengkaji Kesenjangan Infrastruktur Digital di Indonesia. *Jurnal Al Azhar Indonesia Seri Ilmu Sosial*, *5*(3), 180. https://doi.org/10.36722/jaiss.v5i3.3407

Kyriakidou, V., Michalakelis, C., & Sphicopoulos, T. (2011). Digital divide gap convergence in Europe. *Technology in Society*, *33*(3–4), 265–270. https://doi.org/10.1016/j.techsoc.2011.09.001

Lito, L. S. J., Samudro, B. R., & Soesilo, A. M. (2025). Digital Transformation and Regional Development Disparities in Indonesia. *The Fourth International Conference on Government Education Management and Tourism (ICoGEMT-4)*.

Lucendo-Monedero, A. L., Ruiz-Rodríguez, F., & González-Relaño, R. (2019). Measuring the digital divide at regional level. A spatial analysis of the inequalities in digital development of households and individuals in Europe. *Telematics and Informatics*, *41*, 197–217. https://doi.org/10.1016/j.tele.2019.05.002

Mahula, S., Lindquist, M., Norström, L., & Lindman, J. (2022). Digital transformation in local government organisations: Empirical evidence from blockchain initiatives. *DGO 2022: The 23rd Annual International Conference on Digital Government Research*, 336–345. https://doi.org/10.1145/3543434.3543474

Margetts, H., & Dunleavy, P. (2013). The second wave of digital-era governance: A quasi-paradigm for government on the Web. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, *371*(1987), 20120382. https://doi.org/10.1098/rsta.2012.0382

Meador, J. E., & Skerratt, S. (2017). On a unified theory of development: New institutional economics & the charismatic leader. *Journal of Rural Studies*, *53*, 144–155. https://doi.org/10.1016/j.jrurstud.2017.05.007

Meng, X., Wang, X., Nisar, U., Sun, S., & Ding, X. (2023). Mechanisms and heterogeneity in the construction of network infrastructure to help rural households bridge the "digital divide." *Scientific Reports*, *13*(1), 19283. https://doi.org/10.1038/s41598-023-46650-7

Mergel, I., Edelmann, N., & Haug, N. (2019). Defining digital transformation_ Results from expert interviews. *Government Information Quarterly*, *36*. https://doi.org/10.1016/j.giq.2019.06.002

Mintrom, M., & Norman, P. (2009). Policy Entrepreneurship and Policy Changepsj_329649.667. *The Policy Studies Journal*, *Vol. 37, No. 4*.

Morakanyane, R., Grace, A., & O'Reilly, P. (2017). Conceptualizing Digital Transformation in Business Organizations: A Systematic Review of Literature. *Digital Transformation – From Connecting Things to Transforming Our Lives*, 427–443. https://doi.org/10.18690/978-961-286-043-1.30

Nadkarni, S., & Prügl, R. (2021). Digital transformation: A review, synthesis and opportunities for future research. *Management Review Quarterly*, *71*(2), 233–341. https://doi.org/10.1007/s11301-020-00185-7

Nishida, T., Pick, J. B., & Sarkar, A. (2014). Japan′s prefectural digital divide: A multivariate and spatial analysis. *Telecommunications Policy*, *38*(11), 992–1010. https://doi.org/10.1016/j.telpol.2014.05.004

Norris, P. (2001). Digital divide: Civic engagement, information poverty, and the Internet worldwide. *Cambridge University Press*.

Oh, K. Y., & Kathuria, V. (2012). Digital-divide Across Asian Countries: Is the Convergence Robust? *Korea and the World Economy*, *13*(3), 451–475.

Oyebamiji, O. A. (2023). The Impact of Cultural and Societal Factors on the Adoption and Use of Digital Technologies in African Agriculture: A Review. *JOURNAL SCIENCE, AGRICULTURE & HEALTH SCIENCES*.

Özcan Alp, G., & Baycan, T. (2023). Assessment of regional digital divide in Türkiye. *Quaestiones Geographicae*, *42*(4), 43–61. https://doi.org/10.14746/quageo-2023-0042

Parviainen, P., Tihinen, M., Kääriäinen, J., & Teppola, S. (2022). Tackling the digitalization challenge: How to benefit from digitalization in practice. *International Journal of Information Systems and Project Management*, *5*(1), 63–77. https://doi.org/10.12821/ijispm050104

Peters, B. G. (2015). Policy capacity in public administration. *Policy and Society*, *34*(3–4), 219–228. https://doi.org/10.1016/j.polsoc.2015.09.005

Pick, J. B., & Nishida, T. (2015). Digital divides in the world and its regions: A spatial and multivariate analysis of technological utilization. *Technological Forecasting and Social Change*, *91*, 1–17. https://doi.org/10.1016/j.techfore.2013.12.026

Pu, S., Ou, Y., & Bai, O. (2025). Government Public Services and Regional Digital Transformation for Sustainable Development: An Innovation Ecosystem Perspective. *Sustainability*, *17*(12), 5314. https://doi.org/10.3390/su17125314

Puspitasari, L., & Ishii, K. (2016). Digital divides and mobile Internet in Indonesia: Impact of smartphones. *Telematics and Informatics*, *33*(2), 472–483. https://doi.org/10.1016/j.tele.2015.11.001

Ramadhanti, H. D., & Astuti, E. T. (2022). Digital Divide and A Spatial Investigation of Convergence in ICT Development Across Provinces in Indonesia. *Jurnal Aplikasi Statistika & Komputasi Statistik*, *14*(1), 69–84. https://doi.org/10.34123/jurnalasks.v14i1.388

Reddick, C. G., Enriquez, R., Harris, R. J., & Sharma, B. (2020). Determinants of broadband access and affordability: An analysis of a community survey on

the digital divide. *Cities*, *106*, 102904. https://doi.org/10.1016/j.cities.2020.102904

Riyadi, & Larasaty, P. (2019). KETIMPANGAN AKSES TERHADAP TEKNOLOGI INFORMASI DENGAN PENDEKATAN HUMAN OPPORTUNITY INDEX (HOI). *Seminar Nasional Official Statistics 2019: Pengembangan Official Statistics dalam mendukung Implementasi SDG's*, 560–570.

Rogers, E. M. (1983). *Diffusion of innovations* (3rd ed). Free Press ; Collier Macmillan.

Röller, L.-H., & Waverman, L. (2001). Telecommunications Infrastructure and Economic Development: A Simultaneous Approach. *The American Economic Review*, *91*(4).

Romer, P. M. (1990). Endogenous Technological Change. *The Journal of Political Economy*, *98*(2), 71–102.

Sausman, C., Oborn, E., & Barrett, M. (2016). Policy translation through localisation: Implementing national policy in the UK. *Policy & Politics*, *44*(4), 563–589. https://doi.org/10.1332/030557315X14298807527143

Sen, A. (1999). Development as freedom. *Oxford: Oxford University Press*.

Setyawan, F. T. (2020). *Pemerataan Akses Internet dengan Infrastruktur TIK*. Direktorat Jenderal Anggaran, Kementerian Keuangan RI. Diakses melalui https://anggaran.kemenkeu.go.id/in/post/pemerataan-akses-internet-dengan-infrastruktur-tik pada tanggal 29 Desember 2025

Shaengchart, Y., & Bhumpenpein, N. (2025). Bridging the digital divide in rural Thailand: Understanding potential factors influencing Starlink's satellite internet adoption. *Social Sciences & Humanities Open*, *11*, 101355. https://doi.org/10.1016/j.ssaho.2025.101355

Song, Z., Wang, C., & Bergmann, L. (2020). China's prefectural digital divide: Spatial analysis and multivariate determinants of ICT diffusion. *International Journal of Information Management*, *52*, 102072. https://doi.org/10.1016/j.ijinfomgt.2020.102072

Sujarwoto, S., & Tampubolon, G. (2016). Spatial inequality and the Internet divide in Indonesia 2010–2012. *Telecommunications Policy*, *40*(7), 602–616. https://doi.org/10.1016/j.telpol.2015.08.008

Sulila, V. V. V., & Mozin, S. Y. (2025). Sinergi antara Lembaga Pemerintah melalui E-Government: Kajian Implementasi dan Tantangan Kolaboratif. *Jurnal Manajemen, Bisnis dan Kewirausahaan*, *5*(3), 325–338. https://doi.org/10.55606/jumbiku.v5i3.6071

Sururi, A. (2017). INOVASI KEBIJAKAN PUBLIK (TINJAUAN KONSEPTUAL DAN EMPIRIS). *Sawala : Jurnal Administrasi Negara*, *4*(3). https://doi.org/10.30656/sawala.v4i3.241

Švarc, J., Lažnjak, J., & Dabić, M. (2021). The role of national intellectual capital in the digital transformation of EU countries. Another digital divide? *Journal of Intellectual Capital*, *22*(4), 768–791. https://doi.org/10.1108/JIC-02-2020-0024

Tilson, D., Lyytinen, K., & Sørensen, C. (2010). Research Commentary—Digital Infrastructures: The Missing IS Research Agenda. *Information Systems Research*, *21*(4), 748–759. https://doi.org/10.1287/isre.1100.0318

Tornatzky, L. G., & Fleischer, M. (1990). The processes of technological innovation. *Lexington Books*.

Valentín-Sívico, J., Canfield, C., Low, S. A., & Gollnick, C. (2023). Evaluating the impact of broadband access and internet use in a small underserved rural community. *Telecommunications Policy*, *47*(4), 102499. https://doi.org/10.1016/j.telpol.2023.102499

Van Dijk, J. A. G. M. (2017). Digital Divide: Impact of Access. In P. Rössler, C. A. Hoffner, & L. Zoonen (Eds.), *The International Encyclopedia of Media Effects* (1st ed., pp. 1–11). Wiley. https://doi.org/10.1002/9781118783764.wbieme0043

Van Dijk, J. A. G. M. (2020). The digital divide. *Cambridge, England: Polity*.

Venables, A. J. (2016). Using Natural Resources for Development: Why Has It Proven So Difficult? *Journal of Economic Perspectives*, *30*(1), 161–184. https://doi.org/10.1257/jep.30.1.161

Vicente, M. R., & López, A. J. (2011). Assessing the regional digital divide across the European Union-27. *Telecommunications Policy*, *35*(3), 220–237. https://doi.org/10.1016/j.telpol.2010.12.013

Wahab, R. A. (2016). Analisis Perkembangan Internet Broadband di Daerah Perbatasan Sulawesi Utara. *Jurnal Penelitian Pos dan informatika*, *6*(2), 201. https://doi.org/10.17933/jppi.2016.060206

Wang, M., Liao, F., Lin, J., Huang, L., Gu, C., & Wei, Y. (2016). The Making of a Sustainable Wireless City? Mapping Public Wi-Fi Access in Shanghai. *Sustainability*, *8*(2), 111. https://doi.org/10.3390/su8020111

Wang, Q., Ning, Z., & Tan, M. (2025). A study on the impact of digital infrastructure development on the health of low-income rural residents: Based on panel data from 2010 to 2022. *Frontiers in Public Health*, *13*, 1503522. https://doi.org/10.3389/fpubh.2025.1503522

Warschauer, M. (2004). *Technology and Social Inclusion: Rethinking the Digital Divide*. The MIT Press.

Wati, R. D. A., Čaplánová, A., & Darmo, Ľ. (2024). Identification of Digital Divide across Indonesian Provinces: The Analysis of Key Factors. *Statistika: Statistics and Economy Journal*, *104*(2), 185–202. https://doi.org/10.54694/stat.2024.3

Westerman, G., Calméjane, C., & McAfee, A. (2011). *Digital Transformartion: A Roadmap For Billion Dollar Organizations*. MIT Center for Digital Business and Capgemini Consulting.

World Bank. (2016). *World Development Report 2016: Digital Dividends*. https://openknowledge.worldbank.org/handle/10986/23347.

Wu, X., Ramesh, M., & Howlett, M. (2015). Policy capacity: A conceptual framework for understanding policy competences and capabilities. *Policy and Society*, *34*(3–4), 165–171. https://doi.org/10.1016/j.polsoc.2015.09.001

Yang, C., Gu, M., & Albitar, K. (2024). Government in the digital age: Exploring the impact of digital transformation on governmental efficiency. *Technological Forecasting and Social Change*, *208*, 123722. https://doi.org/10.1016/j.techfore.2024.123722

Yang, Y., Hu, X., Qu, Q., Lai, F., Shi, Y., Boswell, M., & Rozelle, S. (2013). Roots of Tomorrow's Digital Divide: Documenting Computer Use and Internet Access in China's Elementary Schools Today. *China & World Economy*, *21*(3), 61–79. https://doi.org/10.1111/j.1749-124X.2013.12022.x

Yıldırım, S., & Bostancı, S. H. (2021). The efficiency of e-government portal management from a citizen perspective: Evidences from Turkey. *World Journal of Science, Technology and Sustainable Development*, *18*(3), 259–273. https://doi.org/10.1108/WJSTSD-04-2021-0049

Zhou, L., Wei, G., Wan, J., & Gao, Q. (2025). Digital infrastructure development and regional market segmentation: New evidence from the "Broadband China" policy. *Journal of Competitiveness*. https://doi.org/10.7441/joc.2025.01.07

Zhu, S., & Chen, J. (2013). The digital divide in individual e-commerce utilization in China: Results from a national survey. *Information Development*, *29*(1), 69–80. https://doi.org/10.1177/0266666912450168