

BIBLIOGRAPHY

- [1] A. S. Mahomed and A. K. Saha, “Unleashing the Potential of 5G for Smart Cities: A Focus on Real-Time Digital Twin Integration,” *Smart Cities*, vol. 8, no. 2, p. 70, Apr. 2025, doi: 10.3390/smartcities8020070.
- [2] A. Gohar and G. Nencioni, “The role of 5G technologies in a smart city: The case for intelligent transportation system,” *Sustainability*, vol. 13, no. 9, p. 5188, May 2021, doi: 10.3390/su13095188. P. K. Bandung., *Peraturan Wali Kota Bandung Masterplan Bandung Smart City 2018–2023*. 2018.
- [3] E. Supriatna, M. Z. Qadri, E. Haviana, A. Dani, and A. N. Q. A. Alisyahbana, “Peran Teknologi 5G dalam Mendorong Pertumbuhan Ekonomi Digital dan Transformasi Industri,” *J-CEKI: Jurnal Cendekia Ilmiah*, vol. 3, no. 4, pp. 2120–2128, Jun. 2024.
- [4] E. M. Rogers, *Diffusion of Innovations*, 4th ed. New York: Free Press, 1995.
- [5] Bappenas, “Rancangan Teknokratik Rencana Pembangunan Jangka Menengah Nasional (RPJMN) 2020-2024,” *Kementrian Perenc. Pembang. Nas.*, pp. 2015–2019, 2019.
- [6] V. Sahu, N. Sahu, and R. Sahu, “Challenges and Opportunities of 5G Network: A Review of Research and Development,” *Am. J. Electr. Comput. Eng.*, vol. 8, no. 1, pp. 11–20, 2024, doi: 10.11648/j.ajece.20240801.12.
- [7] M. Rizky, S. A. Fadilah, Juniwan, M. Y. Habibi, and D. Aribowo, “Perkembangan Teknologi Jaringan 5G di Indonesia,” *Jupiter Publ. Ilmu Keteknikan Ind. Tek. Elektro dan Inform.*, vol. 2, no. 3, pp. 58–68, 2024, doi: 10.61132/jupiter.v2i3.279.
- [8] H.-H. Lu and S.-F. Huang, “Assessing the key factors influencing 4G users' intentions to upgrade to 5G networks,” *Technology in Society*, vol. 81, p. 102810, 2025, doi: 10.1016/j.techsoc.2024.102810.
- [9] *Undang-Undang Republik Indonesia Nomor 36 Tahun 1999 tentang Telekomunikasi (Revisi)*.
- [10] *Undang-Undang Republik Indonesia Nomor 27 Tahun 2022 tentang Perlindungan Data Pribadi*.
- [11] A. A. Wahyudi, Y. R. Widowati, and A. A. Nugroho, “Strategi Implementasi Smart City Kota Bandung,” *J. Good Gov.*, vol. 18, no. 1, pp. 87–98, 2022, doi: 10.32834/gg.v18i1.460.

- [12] N. Haidar Hari, F. P. Eka Putra, U. Hasanah, S. R. Sutarsih, and Riyan, "Transformasi Jaringan Telekomunikasi dengan Teknologi 5G: Tantangan, Potensi, dan Implikasi," *J. Inf. dan Teknol.*, vol. 5, no. 2, pp. 146–150, 2023, doi: 10.37034/jidt.v5i2.357.
- [13] F. Prasetyo, E. Putra, M. Riski, M. S. Yahya, and M. H. Ramadhan, "Mengenal Teknologi Jaringan Nirkabel Terbaru Teknologi 5G," *J. Sistim Inf. dan Teknol.*, vol. 5, no. 2, pp. 167–174, 2023, doi: 10.37034/jsisfotek.v5i1.233.
- [14] Trikolos, A. Sungkowo, R. R. Al Hakim, and A. Jaenul, "Kelebihan, Kekurangan, Peluang Teknologi 5G di Indonesia," *INSOLOGI J. Sains dan Teknol.*, vol. 1, no. 1, pp. 43–49, 2022, doi: 10.55123/insologi.v1i1.145.
- [15] Katadata.co.id, "This is a Comparison of 5G, 4G, and WiFi Internet Speeds in Indonesia," Databoks. Accessed: Jun. 12, 2025. [Online]. Available: <https://databoks.katadata.co.id/infografik/2022/12/08/ini-perbandingan-kecepatan-internet-5g-4g-dan-wifi-di-indonesia>
- [16] S. Biswas, A. Sanyal, D. Božanić, A. Puška, and D. Marinković, "Critical Success Factors for 5G Technology Adaptation in Supply Chains," *Sustain.*, vol. 15, no. 6, pp. 1–23, 2023, doi: 10.3390/su15065539.
- [17] M. Nkrumah, "The Impact of 5G Technology on Communication Infrastructure," *J. Commun.*, vol. 4, no. 1, pp. 43–55, 2024, doi: 10.47941/jcomm.1655.
- [18] D. F. Akbar, I. B. G. Pujaastawa, and I. A. A. Laksmiwati, "Karakteristik Adopter Media Pemasaran Berbasis Internet di Kalangan Pelaku Usaha Mikro di Kota Denpasar," *J-CEKI J. Cendekia Ilm.*, vol. 2, no. 2, pp. 153–161, 2023, doi: 10.56799/jceki.v2i2.1350.
- [19] A. S. George, "Bridging the Digital Divide: Understanding the Human Impacts of Digital Transformation," *Partners Univers. Int. Innov. J.*, vol. 2, no. 3, 2024, doi: 10.5281/zenodo.11287684.
- [20] M. Schreiter, J. Hennrich, A. L. Wolf, and T. Eymann, "The Influence of Previous Experience on Virtual Reality Adoption in Medical Rehabilitation and Overcoming Knowledge Gaps Among Health Care Professionals: Qualitative Interview Study," *J. Med. Internet Res.*, vol. 27, 2025, doi: 10.2196/62649.
- [21] J. Prabowo, F. Dahmir, A. Krisnowo, and M. Taufik, "Kajian Teknologi 5G Dalam Infrastruktur Sebagai Bagian Dari Industri," *Manaj. IKM J. Manaj. Pengemb. Ind. Kecil Menengah*, vol. 20, no. 1, pp. 80–84, 2025, doi: 10.29244/mikm.20.1.80-84.

- [22] nPerf, "Telkomsel signal coverage map in Bandung," nPerf.com, 2024. [Online]. Available: <https://www.nperf.com/id/map/ID/1650357.Bandung/5119.Telkomsel/signal?ll=6.891491800204921&lg=107.59521938053263&zoom=13> [Accessed: 12-Jun-2025].
- [23] S. K. Shah, T. Zhongjun, A. Sattar, and Z. XinHao, "Consumer's intention to purchase 5G: Do environmental awareness, environmental knowledge and health consciousness attitude matter?," *Technol. Soc.*, vol. 65, 2021, doi: 10.1016/j.techsoc.2021.101563.
- [24] M. F. Shahzad, S. Xu, K. I. Khan, and M. F. Hasnain, "Effect of social influence, environmental awareness, and safety affordance on actual use of 5G technologies among Chinese students," *Sci. Rep.*, vol. 13, no. 1, pp. 1–16, 2023, doi: 10.1038/s41598-023-50078-4.
- [25] I. I. S. P. Association, "APJII Internet Survey 2024," (APJII). Accessed: Jun. 12, 2025. [Online]. Available: <https://survei.apjii.or.id/survei/group/9>
- [26] Y. Aprilianto, M. Asrol, and F. E. Gunawan, "Economic Feasibility Analysis in Developing 5G Infrastructure and Locations in Indonesia," *TEM J.*, vol. 10, no. 1, pp. 121–132, 2021, doi: 10.18421/TEM101-15.
- [27] F. Sudirjo, D. E. Fajariana, A. Y. Vandika, and U. Sagena, "The Effect of Digital Transformation, User Experience, and User Interface on Customer Loyalty in Technology Startups in Bandung," *West Sci. Interdiscip. Stud.*, vol. 2, no. 09, pp. 1850–1856, 2024, doi: 10.58812/wsis.v2i09.1305.
- [28] J. Y.-L. Chan et al., "Mitigating the Multicollinearity Problem and Its Machine Learning Approach: A Review," *Mathematics*, vol. 10, no. 8, p. 1283, Apr. 2022, doi: [10.3390/math10081283](https://doi.org/10.3390/math10081283).
- [29] R. F. Osemeke, J. N. Igabari, and N. D. Christian, "Model Violation and Multicollinearity: A Preliminary Study," *Journal of Mathematical Sciences & Computational Mathematics*, vol. 5, no. 3, pp. 233–250, Apr. 2024.
- [30] R. F. Osemeke, J. N. Igabari, and N. D. Christian, "Model Violation and Multicollinearity: A Preliminary Study," *Journal of Mathematical Sciences & Computational Mathematics*, vol. 5, no. 3, pp. 233–250, Apr. 2024.
- [31] A. Liu, H. He, X. M. Tu, and W. Tang, "On testing proportional odds assumptions for proportional odds models," *General Psychiatry*, vol. 36, no. 1, p. e101048, Jun.

- 2023, doi: [10.1136/gpsych-2023-101048](https://doi.org/10.1136/gpsych-2023-101048).
- [32] K.Karin, R. Efendi, L. Chairani, and I. M. Sari, "Implementasi Regresi Logistik Ordinal Pada Sistem Pembelajaran Daring Di Era COVID-19 Terhadap Kesehatan Mental Guru SD di Kota Pekanbaru," *J. Sains Mat. dan Stat.*, vol. 7, no. 1, p. 65, 2021, doi: 10.24014/jsms.v7i1.11786.
 - [33] N. F. Naini, Sugeng Santoso, T. S. Andriani, U. G. Claudia, and Nurfadillah, "The Effect of Product Quality, Service Quality, Customer Satisfaction on Customer Loyalty," *J. Consum. Sci.*, vol. 7, no. 1, pp. 34–50, 2022, doi: 10.29244/jcs.7.1.34-50.
 - [34] Niken, W. Somayasa, H. Budiman, Ruslan, and G. N. Adi Wibawa, "Uji Goodness of Fit Dengan Statistik Pulkstenis - Robinson Dalam Model Regresi Logistik Ordinal," *J. Mat. Komputasi dan Stat.*, vol. 4, no. 1, pp. 571–576, 2024, doi: 10.33772/jmks.v4i1.72.
 - [35] S. Chang, D. Li, and Y. Qi, "Pearson's goodness-of-fit tests for sparse distributions," *Journal of Applied Statistics*, vol. 50, no. 5, pp. 1078–1093, 2023, doi: [10.1080/02664763.2021.2017413](https://doi.org/10.1080/02664763.2021.2017413).
 - [36] U. Maryam et al., "Estimasi parameter dan uji goodness of fit untuk data biner berpasangan," *Jurnal Matematika, Komputasi dan Statistika*, vol. 2, no. 1, pp. 1–12, Apr. 2022.
 - [37] V. M. Santi, F. I. Hawa, and B. Sumargo, "Log Linier Binomial Negatif dalam Memodelkan Data Siswa Putus Sekolah Tingkat SMA/SMK," *Jurnal Statistika dan Aplikasinya*, vol. 7, no. 2, pp. 207–214, Dec. 2023. [Online]. Available: e-ISSN: 2620-8369.
 - [38] J. Shang, T. J. Robinson, and S. S. Wulff, "An Overview of the Assessment of Logistic Regression Models," *JSM 2019 - Biometrics Section*, pp. 2893–2900, 2019.
 - [39] E. S. Shtatland, "Logistic Regression: Pseudo - R² Statistics vs Base Rate Simulations Results and Analytical Approach," *Preprint*, Aug. 2025. [Online]. Available: DOI: 10.12136/jhs.2.2.34446.64913.
 - [40] E. R. Ugba and J. Gertheiss, "A Modification of McFadden's R² for Binary and Ordinal Response Models," *Commun. Stat. Appl. Methods*, vol. 30, no. 1, pp. 49–

- 63, 2023. [Online]. Available: <https://doi.org/10.29220/CSAM.2023.30.1.049>.
- [41] Komdigi Press, "Digital Investment Drives 5G Acceleration, Indonesia Targets 100 Mbps in 2029," Komdigi Press. Accessed: Mar. 12, 2025. [Online]. Available: <https://www.komdigi.go.id/berita/siaran-pers/detail/investasi-digital-dorong-akselerasi-5g-indonesia-targetkan-100-mbps-di-2029>.
- [42] ITU Radiocommunication Sector (ITU-R), "ITU-R FAQ on International Mobile Telecommunications (IMT)," Geneva: International Telecommunication Union, Jan. 2021 [Online]. Available: <https://www.itu.int/rec/R-REC-M.2083/en>
- [43] Devopedia, "5G UE Data Rate." Accessed: Jun. 25, 2024. [Online]. Available: <https://devopedia.org/5g-ue-data-rat>
- [44] S. B. Green, "How many subjects does it take to do a regression analysis," *Multivariate Behavioral Research*, vol. 26, no. 3, pp. 499–510, 1991, doi: 10.1207/s15327906mbr2603_7.
- [45] M. T. D. Winarko and A. Y. Kartini, "Analisis Kepuasan Pengguna Jasa Petugas Parkir Dinas Perhubungan Bojonegoro Menggunakan Regresi Logistik Ordinal," *J. Stat. dan Komputasi*, vol. 1, no. 1, pp. 31–41, 2022, doi: 10.32665/statkom.v1i1.442.
- [46] A. A. Gandhi and S. Shah, "Customer Perception on the Impact of 5G Technology based Smartphones," *Sachetas*, vol. 3, no. 3, pp. 43-55, Jul.-Sep. 2024, doi: [10.58956330005](https://doi.org/10.58956330005).
- [47] B. Eisinger Balassa, N. G. Nagy, and N. Gyurián, "Perception and social acceptance of 5G technology for sustainability development," *Journal of Cleaner Production*, vol. 467, p. 142964, 2024, doi: 10.1016/j.jclepro.2024.142964.