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REFERENCES

- [1] H. Luo, L. Lin, K. Chen, M. F. Antwi-Afari, and L. Chen, "Digital technology for quality management in construction: A review and future research directions," *Dev. Built Environ.*, vol. 12, p. 100087, Dec. 2022, doi: 10.1016/J.DIBE.2022.100087.
- [2] J. Wang, X. Ma, J. Zhang, and X. Zhao, "Impacts of digital technology on energy sustainability: China case study," *Appl. Energy*, vol. 323, p. 119329, Oct. 2022, doi: 10.1016/J.APENERGY.2022.119329.
- [3] J. C. Kouladom, M. A. K. Wirajing, and T. N. Nchofoung, "Digital technologies and financial inclusion in Sub-Saharan Africa," *Telecomm. Policy*, p. 102387, Jun. 2022, doi: 10.1016/J.TELPOL.2022.102387.
- [4] M. Iranmanesh, M. Ghobakhloo, M. Nilashi, M. L. Tseng, E. Yadegaridehkordi, and N. Leung, "Applications of disruptive digital technologies in hotel industry: A systematic review," *Int. J. Hosp. Manag.*, vol. 107, p. 103304, Oct. 2022, doi: 10.1016/J.IJHM.2022.103304.
- [5] Asosiasi Penyelenggara Jasa Internet Indonesia, "Laporan Survei Internet APJII 2019 – 2020," *Asos. Penyelenggara Jasa Internet Indonesia*, 2020. <https://apjii.or.id/survei>.
- [6] W. A. Alkhowaiter, "Digital payment and banking adoption research in Gulf countries: A systematic literature review," *Int. J. Inf. Manage.*, vol. 53, p. 102102, Aug. 2020, doi: 10.1016/J.IJINFOMGT.2020.102102.
- [7] H. A. Alnemer, "Determinants of digital banking adoption in the Kingdom of Saudi Arabia: A technology acceptance model approach," *Digit. Bus.*, vol. 2, no. 2, p. 100037, Jan. 2022, doi: 10.1016/J.DIGBUS.2022.100037.
- [8] N. A. Windasari, N. Kusumawati, N. Larasati, and R. P. Amelia, "Digital-only banking experience: Insights from gen Y and gen Z," *J. Innov. Knowl.*, vol. 7, no. 2, p. 100170, Apr. 2022, doi: 10.1016/J.JIK.2022.100170.
- [9] F. Ernawan, A. Aminuddin, D. Nincarean, M. F. A. Razak, and A. Firdaus, "Three Layer Authentications with a Spiral Block Mapping to Prove Authenticity in Medical Images," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 4, pp. 211–223, 2022, doi: 10.14569/IJACSA.2022.0130425.
- [10] L. V. Gorodianska, T. Nosenko, and V. Vember, "Neobanks operations and security features," *2019 IEEE Int. Sci. Conf. Probl. Infocommunications Sci. Technol. PIC S T 2019 - Proc.*, pp. 839–842, Oct. 2019, doi: 10.1109/PICST47496.2019.9061268.
- [11] T. Sharma and D. Rattan, "Malicious application detection in android — A systematic literature review," *Comput. Sci. Rev.*, vol. 40, p. 100373, May 2021, doi: 10.1016/J.COSREV.2021.100373.
- [12] J. Pang and J. Bian, "Android malware detection based on naive bayes," *Proc. IEEE Int. Conf. Softw. Eng. Serv. Sci. ICSESS*, vol. 2019–October, pp. 483–486, 2019, doi: 10.1109/ICSESS47205.2019.9040796.
- [13] P. K. Tiwari, S. R. Basireddy, and T. Velayutham, "Identification of Possibly Intemperate Permission Demands in Android Apps," *Proc. 2nd Int. Conf. Innov. Pract. Technol. Manag. ICIPTM 2022*, pp. 101–106, 2022, doi: 10.1109/ICIPTM54933.2022.9753830.
- [14] A. Aminuddin, "Android Assets Protection Using RSA and AES Cryptography to Prevent App Piracy," *2020 3rd Int. Conf. Inf. Commun. Technol. ICOIACT 2020*, pp. 461–465, 2020, doi: 10.1109/ICOIACT50329.2020.9331988.
- [15] M. Rahardi, A. Aminuddin, F. F. Abdulloh, and R. A. Nugroho, "Sentiment Analysis of Covid-19 Vaccination using Support Vector Machine in Indonesia," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 6, p. 2022, 2022, doi: 10.14569/IJACSA.2022.0130665.
- [16] S. Zahoor and R. Rohilla, "Twitter Sentiment Analysis Using Machine Learning Algorithms: A Case Study," *Proc. - 2020 Int. Conf. Adv. Comput. Commun. Mater. ICACCM 2020*, pp. 194–199, 2020, doi: 10.1109/ICACCM50413.2020.9213011.
- [17] E. Y. Sari, A. D. Wierfi, and A. Setyanto, "Sentiment Analysis of Customer Satisfaction on Transportation Network Company Using Naive Bayes Classifier," *2019 Int. Conf. Comput. Eng. Network, Intell. Multimedia, CENIM 2019 - Proceeding*, vol. 2019–November, Nov. 2019, doi: 10.1109/CENIM48368.2019.8973262.
- [18] S. Ranjan and S. Mishra, "Comparative Sentiment Analysis of App Reviews," *2020 11th Int. Conf. Comput. Commun. Netw. Technol. ICCCNT 2020*, Jul. 2020, doi: 10.1109/ICCCNT49239.2020.9225348.
- [19] H. Mehyar, M. Saeed, H. B. A. Al-Ja'afreh, and R. Al-Adaileh, "The impact of electronic word of mouth on consumers purchasing intention," *J. Theor. Appl. Inf. Technol.*, vol. 98, no. 2, pp. 183–193, 2020.
- [20] N. Colmekcioglu, R. Marvi, P. Foroudi, and F. Okumus, "Generation, susceptibility, and response regarding negativity: An in-depth analysis on negative online reviews," *J. Bus. Res.*, vol. 153, pp. 235–250, Dec. 2022, doi: 10.1016/J.JBUSRES.2022.08.033.
- [21] J. Qin and M. Zeng, "An integrated method for product ranking through online reviews based on evidential reasoning theory and stochastic dominance," *Inf. Sci. (Nij.)*, vol. 612, pp. 37–61, Oct. 2022, doi: 10.1016/J.INS.2022.08.070.
- [22] A. Yaqin, M. Rahardi, and F. F. Abdulloh, "Accuracy Enhancement of Prediction Method using SMOTE for Early Prediction Student's Graduation in XYZ University," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 6, pp. 418–424, 2022.
- [23] M. Rahardi, F. F. Abdulloh, and W. S. Putra, "A Blind Robust Image Watermarking on Selected DCT Coefficients for Copyright Protection," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 7, pp. 719–726, 2022.
- [24] H. Hairani, M. Innuddin, and M. Rahardi, "Accuracy Enhancement of Correlated Naive Bayes Method by Using Correlation Feature Selection (CFS) for Health Data Classification," *2020 3rd Int. Conf. Inf. Commun. Technol. ICOIACT 2020*, pp. 51–55, 2020, doi: 10.1109/ICOIACT50329.2020.9332021.
- [25] P. P. Gokul, B. K. Akhil, and K. K. M. Shiva, "Sentence similarity detection in Malayalam language using cosine similarity," *RTEICT 2017 - 2nd IEEE Int. Conf. Recent Trends Electron. Inf. Commun. Technol. Proc.*, vol. 2018–January, pp. 221–225, Jul. 2017, doi: 10.1109/RTEICT.2017.8256590.
- [26] F. F. Abdulloh, M. Rahardi, A. Aminuddin, S. D. Anggita, and A. Y. A. Nugraha, "Observation of Imbalance Tracer Study Data for Graduates Employability Prediction in Indonesia," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 8, pp. 169–174, 2022.
- [27] A. C. Emcha, Widyawan, and T. B. Adji, "Quotation extraction from Indonesian online news," *2019 Int. Conf. Inf. Commun. Technol. ICOIACT 2019*, pp. 408–412, 2019, doi: 10.1109/ICOIACT46704.2019.8938558.
- [28] Z. Mustaffa, M. H. Sulaiman, F. Ernawan, Y. Yusof, and M. F. M. Mohsin, "Dengue outbreak prediction: Hybrid meta-heuristic model," *Proc. - 2018 IEEE/ACIS 19th Int. Conf. Softw. Eng. Artif. Intell. Netw. Parallel/Distributed Comput. SNPD 2018*, pp. 271–274, Aug. 2018, doi: 10.1109/SNPD.2018.8441095.
- [29] T. M. Ma, K. Yamamori, and A. Thida, "A Comparative Approach to Naïve Bayes Classifier and Support Vector Machine for Email Spam Classification," *2020 IEEE 9th Glob. Conf. Consum. Electron. GCCE 2020*, pp. 324–326, 2020, doi: 10.1109/GCCE50665.2020.9291921.
- [30] A. Aminuddin and F. Ernawan, "AuSR1: Authentication and self-recovery using a new image inpainting technique with LSB shifting in fragile image watermarking," *J. King Saud Univ. - Comput. Inf. Sci.*, Feb. 2022, doi: 10.1016/J.JKSUCI.2022.02.009.
- [31] A. Aminuddin and F. Ernawan, "AuSR2: Image watermarking technique for authentication and self-recovery with image texture preservation," *Comput. Electr. Eng.*, vol. 102, no. April, p. 108207, 2022, doi: 10.1016/J.COMPELECENG.2022.108207.
- [32] R. M. Amir Latif, M. Talha Abdullah, S. U. Aslam Shah, M. Farhan, F. Ijaz, and A. Karim, "Data scraping from google play store and visualization of its content for analytics," *2019 2nd Int. Conf. Comput. Math. Eng. Technol. iCoMET 2019*, pp. 1–8, 2019, doi: 10.1109/ICOMET.2019.8673523.
- [33] K. Kusnawi and A. Hendra Wijaya, "Sentiment Analysis of Pancasila Values in Social Media Life Using the Naive Bayes Algorithm," *Proc. - 2021 Int. Semin. Appl. Technol. Inf. Commun. IT Oppor. Creat. Digit. Innov. Commun. within Glob. Pandemic, iSematic 2021*, pp. 96–101, Sep. 2021, doi: 10.1109/ISEMANTIC52711.2021.9573194.