

DAFTAR PUSTAKA

- [1] I. T. M. Daeng, N. . Mewenkang, and E. R. Kalesaran, “Jurnal Kemudahan Smartphone,” *Acta Diurna*, vol. 6, no. 1, pp. 1–15, 2017.
- [2] Roy, “BlackBerry: Dulu Raja HP, Kini Kalah Lawan Android & iPhone,” 2022. <https://www.cnbcindonesia.com/tech/20220104094249-37-304376/blackberry-dulu-raja-hp-kini-kalah-lawan-android-iphone#:~:text=Pada%20puncaknya%20pada%20tahun%202009,50%20juta%20smartphone%20per%20tahun> (accessed Jan. 11, 2023).
- [3] A. K. NuheL, “Evolution of Smartphone,” *Hum. Comput. Interact.*, no. October, pp. 2–7, 2021.
- [4] A. Phongtraychack and D. Dolgaya, “Evolution of Mobile Applications,” *MATEC Web Conf.*, vol. 155, pp. 1–7, 2018, doi: 10.1051/matecconf/201815501027.
- [5] D. Purwadisastra, “Strategi Ritel Konvensional Modern Dalam Menghadapi Persaingan Pada Masa Pandemi COVID 19,” *E-QIEN J. Ekon. dan Bisnis*, vol. 8, no. 1, pp. 187–192, 2021, doi: 10.34308/eqien.v8i1.209.
- [6] Y. Sukmana, “Sudah 1.300 Toko Ritel Tutup Akibat Terdampak Pandemi Covid-19,” 2021. <https://money.kompas.com/read/2021/05/06/213100226/sudah-1.300-toko-ritel-tutup-akibat-terdampak-pandemi-covid-19-> (accessed Jan. 11, 2024).
- [7] P. Agustini, C. Choiriyah, and F. Fadilla, “Analisa Peran Aplikasi Alfagift Terhadap Peningkatan Penjualan Pada Masa Pandemi Covid-19 Di Palembang (Studi Kasus Toko Alfamart Cabang Mayor Ruslan),” *J. Ilm. Mhs. Perbank. Syariah*, vol. 3, no. 1, pp. 27–40, 2023, doi: 10.36908/jimpa.v3i1.114.
- [8] T. Rizki Larasati, “ANALISIS KESUKSESAN PENGGUNAAN APLIKASI ALFAGIFT PADA PENGGUNA DI JABODETABEK MENGGUNAKAN,” 2022.
- [9] Z. Drus and H. Khalid, “Sentiment analysis in social media and its application: Systematic literature review,” *Procedia Comput. Sci.*, vol. 161, pp. 707–714, 2019, doi: 10.1016/j.procs.2019.11.174.
- [10] I. Frianda Gultom, Sriani, and Suhardi, “Analisis Sentimen Kebijakan Pemberian Subsidi Motor Listrik Menggunakan Metode Support Vector Machine,” *J. Fasilkom*, vol. 13, no. 3, pp. 511–517, 2023, doi: 10.37859/jf.v13i3.6225.
- [11] M. R. Firmansyah, R. Ilyas, and F. Kasyidi, “Klasifikasi Kalimat Ilmiah Menggunakan Recurrent Neural Network,” *Pros. 11th Ind. Res. Work. Natl. Semin.*, vol. 11, no. 1, pp. 488–495, 2020, doi:

- 10.35313/irwns.v11i1.2055.
- [12] A. C. M. V. Srinivas, C. Satyanarayana, C. Divakar, and K. P. Sirisha, “Sentiment Analysis using Neural Network and LSTM,” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1074, no. 1, p. 012007, 2021, doi: 10.1088/1757-899x/1074/1/012007.
 - [13] H. Juwianto *et al.*, “Sentiment Analysis Twitter Bahasa Indonesia Berbasis Word2vec Menggunakan Deep Convolutional Neural Network,” *J. Teknol. Inf. dan Ilmu Komput.*, vol. 7, no. 1, pp. 181–188, 2020, doi: 10.25126/jtiik.202071758.
 - [14] D. A. Alzahra, U. Enri, and Y. U. Maidah, “Analisis Sentimen Ulasan Pengguna Klik Indomaret Pada Google Play Menggunakan Support Vector Machine,” *Innov. J. Soc. Sci. Res.*, vol. 3, pp. 2173–2185, 2023, doi: 10.31004/innovative.v3i4.3715.
 - [15] H. Utami, “Analisis Sentimen dari Aplikasi Shopee Indonesia Menggunakan Metode Recurrent Neural Network,” *Indones. J. Appl. Stat.*, vol. 5, no. 1, p. 31, 2022, doi: 10.13057/ijas.v5i1.56825.
 - [16] W. C. F. Mariel, S. Mariyah, and S. Pramana, “Sentiment analysis: A comparison of deep learning neural network algorithm with SVM and naïve Bayes for Indonesian text,” *J. Phys. Conf. Ser.*, vol. 971, no. 1, 2018, doi: 10.1088/1742-6596/971/1/012049.
 - [17] S. Hansun, A. Suryadibrata, R. Nurhasanah, and J. Fitra, “Tweets Sentiment on Ppkm Policy As a Covid-19 Response in Indonesia,” *Indian J. Comput. Sci. Eng.*, vol. 13, no. 1, pp. 51–58, 2022, doi: 10.21817/indjcse/2022/v13i1/221301302.
 - [18] P. A. Aritonang, M. E. Johan, and I. Prasetiawan, “Aspect-Based Sentiment Analysis on Application Review using CNN (Case Study : Peduli Lindungi Application),” *Ultim. Infosys J. Ilmu Sist. Inf.*, vol. 13, no. 1, pp. 54–61, 2022, doi: 10.31937/si.v13i1.2684.
 - [19] R. Cahyadi *et al.*, “Recurrent Neural Network (Rnn) Dengan Long Short Term Memory (Lstm) Untuk Analisis Sentimen Data Instagram,” *J. Inform. dan Komput.*, vol. 5, no. 1, pp. 1–9, 2020, doi: 10.26798/jiko.v5i1.407.
 - [20] M. A. Nurrohmat and A. SN, “Sentiment Analysis of Novel Review Using Long Short-Term Memory Method,” *IJCCS (Indonesian J. Comput. Cybern. Syst.)*, vol. 13, no. 3, p. 209, 2019, doi: 10.22146/ijccs.41236.
 - [21] F. Aftab *et al.*, “A Comprehensive Survey on Sentiment Analysis Techniques,” *Int. J. Technol.*, vol. 14, no. 6, pp. 1288–1298, 2023, doi: 10.14716/ijtech.v14i6.6632.
 - [22] M. Wankhade, A. C. S. Rao, and C. Kulkarni, *A survey on sentiment analysis methods, applications, and challenges*, vol. 55, no. 7. Springer Netherlands, 2022. doi: 10.1007/s10462-022-10144-1.

- [23] F. Pradana Rachman, H. Santoso, and A. History, “Perbandingan Model Deep Learning untuk Klasifikasi Sentiment Analysis dengan Teknik Natural Languange Processing,” *J. Teknol. dan Manaj. Inform.*, vol. 7, no. 2, pp. 103–112, 2021, doi: 10.26905/jtmi.v7i2.6506.
- [24] A. Firdaus and W. I. Firdaus, “Text Mining Dan Pola Algoritma Dalam Penyelesaian Masalah Informasi : (Sebuah Ulasan),” *J. JUPITER*, vol. 13, no. 1, p. 66, 2021.
- [25] D. A. Agustina, S. Subanti, and E. Zukhronah, “Implementasi Text Mining Pada Analisis Sentimen Pengguna Twitter Terhadap Marketplace di Indonesia Menggunakan Algoritma Support Vector Machine,” *Indones. J. Appl. Stat.*, vol. 3, no. 2, p. 109, 2021, doi: 10.13057/ijas.v3i2.44337.
- [26] A. Majid, D. Nugraha, and F. D. Adhinata, “Sentiment Analysis on Tiktok Application Reviews Using Natural Language Processing Approach,” *J. Embed. Syst. Secur. Intell. Syst.*, vol. 04, no. 1, pp. 32–38, 2023, doi: 10.26858/jessi.v4i1.41897.
- [27] Parikshith G and Dr. Gobi Natesan, “Exploring the Benefits of E-commerce Applications for Efficient Online Operations,” *Int. J. Sci. Res. Comput. Sci. Eng. Inf. Technol.*, vol. 3307, pp. 158–162, 2023, doi: 10.32628/cseit2390212.
- [28] R. N. A. Achmad and B. Rachmat, “Comparison of the Application of E-commerce in Online Versus Offline: Theoretical Review,” *IPTEK J. Proc. Ser.*, vol. 0, no. 1, p. 273, 2021, doi: 10.12962/j23546026.y2020i1.7863.
- [29] D. Yanti and B. C. Octariadi, “Analisis dan Perancangan Aplikasi E-Commerce Mobile Berbasis Gamification (Studi Kasus Betukang.Id),” *J. Edukasi dan Penelit. Inform.*, vol. 8, no. 2, p. 378, 2022, doi: 10.26418/jp.v8i2.54690.
- [30] Y. Ansori and C. Wulandari, “CRISP-DM Method On Indonesian Micro Industries (UMKM) Using K-Means Clustering Algorithm,” *MATICS J. Ilmu Komput. dan Teknol. Inf. (Journal Comput. Sci. Inf. Technol.)*, vol. 14, no. 2, pp. 35–40, 2022, doi: 10.18860/mat.v14i2.13760.
- [31] Y. Yudiana, A. Yulia Agustina, and D. Nur Khofifah, “Prediksi Customer Churn Menggunakan Metode CRISP-DM Pada Industri Telekomunikasi Sebagai Implementasi Mempertahankan Pelanggan,” *Indones. J. Islam. Econ. Bus.*, vol. 8, no. 1, pp. 01–20, 2023, doi: 10.30631/ijoieb.v8i1.1710.
- [32] I. I. Ridho, G. Mahalisa, D. R. Sari, and I. Fikri, “Metode Neural Network Untuk Penentuan Akurasi Prediksi Harga Rumah,” *Technologia*, vol. 13, no. 1, 2022, doi: 10.31602/tji.v13i1.6252.
- [33] H. Putra and N. Ulfa, “Penerapan Prediksi Produksi Padi Menggunakan Artificial Neural Network Algoritma Backpropagation,” *J. Nas. Teknol. dan Sist. Inf.*, vol. 06, no. 02, pp. 100–107, 2020, doi: 10.25077/TEKNOSI.v6i2.2020.100-107.

- [34] V. Lestari, H. Mawengkang, and Z. Situmorang, “Artificial Neural Network Backpropagation Method to Predict Tuberculosis Cases,” *Sinkron*, vol. 8, no. 1, pp. 35–47, 2023, doi: 10.33395/sinkron.v8i1.11998.
- [35] A. Alamsyah, B. Prasetyo, M. F. Al Hakim, and F. D. Pradana, “Prediction of COVID-19 Using Recurrent Neural Network Model,” *Sci. J. Informatics*, vol. 8, no. 1, pp. 98–103, 2021, doi: 10.15294/sji.v8i1.30070.
- [36] M. S. Milivojevic and A. Gavrovska, “Long short-term memory forecasting for COVID19 data,” *2020 28th Telecommun. Forum, TELFOR 2020 - Proc.*, pp. 1–4, 2020, doi: 10.1109/TELFOR51502.2020.9306601.
- [37] A. Khumaidi, R. Raafi’udin, and I. P. Solihin, “Pengujian Algoritma Long Short-Term Memory untuk Prediksi Kualitas Udara dan Suhu Kota Bandung,” *J. Telemat.*, vol. 15, no. 1, pp. 13–18, 2020, doi: 10.61769/telematika.v15i1.340.
- [38] I. Düntsche and G. Gediga, “Confusion Matrices and Rough Set Data Analysis,” *J. Phys. Conf. Ser.*, vol. 1229, no. 1, pp. 0–6, 2019, doi: 10.1088/1742-6596/1229/1/012055.
- [39] G. I. E. Soen, Marlina, and Renny, “Implementasi Cloud Computing dengan Google Colaboratory Pada Aplikasi Pengolah Data Zoom Participants,” *J. Inform. Technol. Commun.*, vol. 6, no. 1, pp. 24–30, 2022, doi: 10.36596/jitu.v6i1.781.
- [40] N. F. Amin, S. Garancang, and K. Abunawas, “Konsep Umum Populasi dan Sampel dalam Penelitian,” *J. Pilar*, vol. 14, no. 1, pp. 15–31, 2023.
- [41] F. M. Salman and S. Widyanesti, “Implementasi Sentiment Analysis Dalam Penyebaran Informasi Vaksinasi COVID-19 Menggunakan Metode Naïve Bayes Di Facebook Implementation Of Sentiment Analysis In Distribution Of COVID-19 Vaccination Information Using Naïve Bayes Method On Facebook,” vol. 9, no. 4, pp. 1833–1843, 2022.
- [42] A. N. Ulfah, M. K. Anam, N. Y. Sidratul Munti, S. Yaakub, and M. B. Firdaus, “Sentiment Analysis of the Convict Assimilation Program on Handling Covid-19,” *JUITA J. Inform.*, vol. 10, no. 2, p. 209, 2022, doi: 10.30595/juita.v10i2.12308.
- [43] N. Purwanto, “Variabel Dalam Penelitian Pendidikan,” *J. Teknodik*, vol. 6115, pp. 196–215, 2019, doi: 10.32550/teknodik.v0i0.554.

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