

DAFTAR PUSTAKA

- [1] M. T. Hebebcı, Y. Bertiz, and S. Alan, "Investigation of Views of Students and Teachers on Distance Education Practices during the Coronavirus (COVID-19) Pandemic," *IJTES*, vol. 4, no. 4, pp. 267–282, Sep. 2020, doi: 10.46328/ijtes.v4i4.113.
- [2] A. Pregowska, K. Masztalerz, M. Garlińska, and M. Osial, "A Worldwide Journey through Distance Education—From the Post Office to Virtual, Augmented and Mixed Realities, and Education during the COVID-19 Pandemic," *Educ. Sci.*, p. 26, 2021.
- [3] J. Hoofman and E. Secord, "The Effect of COVID-19 on Education," *Pediatric Clinics of North America*, vol. 68, no. 5, pp. 1071–1079, Oct. 2021, doi: 10.1016/j.pcl.2021.05.009.
- [4] C. Impey and M. Formanek, "MOOCS and 100 Days of COVID: Enrollment surges in massive open online astronomy classes during the coronavirus pandemic," *Social Sciences & Humanities Open*, vol. 4, no. 1, p. 100177, 2021, doi: 10.1016/j.ssaho.2021.100177.
- [5] L. M. Daniels and M. J. Gierl, "The impact of immediate test score reporting on university students' achievement emotions in the context of computer-based multiple-choice exams," *Learning and Instruction*, vol. 52, pp. 27–35, Dec. 2017, doi: 10.1016/j.learninstruc.2017.04.001.
- [6] A. J. Boevé, R. R. Meijer, C. J. Albers, Y. Beetsma, and R. J. Bosker, "Introducing Computer-Based Testing in High-Stakes Exams in Higher Education: Results of a Field Experiment," *PLOS ONE*, vol. 10, no. 12, p. e0143616, Dec. 2015, doi: 10.1371/journal.pone.0143616.
- [7] S. Burrows, I. Gurevych, and B. Stein, "The Eras and Trends of Automatic Short Answer Grading," *Int J Artif Intell Educ*, vol. 25, no. 1, pp. 60–117, Mar. 2015, doi: 10.1007/s40593-014-0026-8.
- [8] D. Perez and E. Alfonseca, "Application of the Bleu algorithm for recognising textual entailments," in *Proceeding of the First Challenge Workshop*, Southampton, UK, Apr. 2005.
- [9] D. T. Haley, P. Thomas, A. De Roeck, and M. Petre, "Measuring improvement in latent semantic analysis-based marking systems: using a computer to mark questions about HTML," in *Proceedings of the ninth Australasian conference on Computing education - Volume 66*, AUS, Jan. 2007, pp. 35–42.

- [10] Y. Xi and W. Liang, "Automated Computer-Based CET4 Essay Scoring System," in 2011 Third Pacific-Asia Conference on Circuits, Communications and System (PACCS), Wuhan, China, Jul. 2011, pp. 1–4. doi: 10.1109/PACCS.2011.5990116.
- [11] R. Siddiqi, C. J. Harrison, and R. Siddiqi, "Improving Teaching and Learning through Automated Short-Answer Marking," IEEE Trans. Learning Technol., vol. 3, no. 3, pp. 237–249, Jul. 2010, doi: 10.1109/TLT.2010.4.
- [12] S. Jayashankar and R. Sridaran, "Superlative model using word cloud for short answers evaluation in eLearning," Educ Inf Technol, vol. 22, no. 5, pp. 2383–2402, Sep. 2017, doi: 10.1007/s10639-016-9547-0.
- [13] M. D. Shermis, "Contrasting State-of-the-Art in the Machine Scoring of Short-Form Constructed Responses," Educational Assessment, vol. 20, no. 1, pp. 46–65, Jan. 2015, doi: 10.1080/10627197.2015.997617.
- [14] S. Roy, Y. Narahari, and O. D. Deshmukh, "A Perspective on Computer Assisted Assessment Techniques for Short Free-Text Answers," in Computer Assisted Assessment. Research into E-Assessment, Cham, 2015, pp. 96–109. doi: 10.1007/978-3-319-27704-2_10.
- [15] A. R. Lahitani, A. E. Permanasari, and N. A. Setiawan, "Cosine similarity to determine similarity measure: Study case in online essay assessment," in 2016 4th International Conference on Cyber and IT Service Management, Bandung, Indonesia, Apr. 2016, pp. 1–6. doi: 10.1109/CITSM.2016.7577578.
- [16] R. Fitri and A. N. Asyikin, "APLIKASI PENILAIAN UJIAN ESSAY OTOMATIS MENGGUNAKAN METODE COSINE SIMILARITY," vol. 7, no. 2, p. 7, 2015.
- [17] M. A. Fauzi, D. C. Utomo, B. D. Setiawan, and E. S. Pramukantoro, "Automatic Essay Scoring System Using N-Gram and Cosine Similarity for Gamification Based E-Learning," in Proceedings of the International Conference on Advances in Image Processing, Bangkok Thailand, Aug. 2017, pp. 151–155. doi: 10.1145/3133264.3133303.
- [18] U. Hasanah, A. E. Permanasari, S. S. Kusumawardani, and F. S. Pribadi, "A scoring rubric for automatic short answer grading system," TELKOMNIKA, vol. 17, no. 2, p. 763, Apr. 2019, doi: 10.12928/telkomnika.v17i2.11785.
- [19] Munir, L. S. Riza, and A. Mulyadi, "An Automatic Scoring System for Essay by Using Methods Combination of Term Frequency and n-Gram," International Journal of Trend in research and Development, vol. 3, no. 6, pp. 403–407, 2016.

- [20] D. Yustiana, "PENILAIAN OTOMATIS TERHADAP JAWABAN ESAI PADA SOAL BERBAHASA INDONESIA MENGGUNAKAN LATENT SEMANTIC ANALYSIS," p. 8, 2015.
- [21] R. Setiadi Citawan, V. Christanti Mawardi, and B. Mulyawan, "Automatic Essay Scoring in E-learning System Using LSA Method with N-Gram Feature for Bahasa Indonesia," MATEC Web Conf., vol. 164, p. 01037, 2018, doi: 10.1051/mateconf/201816401037.
- [22] A. Amalia, D. Gunawan, Y. Fithri, and I. Aulia, "Automated Bahasa Indonesia essay evaluation with latent semantic analysis," J. Phys.: Conf. Ser., vol. 1235, no. 1, p. 012100, Jun. 2019, doi: 10.1088/1742-6596/1235/1/012100.
- [23] R. K. Dewi, "Assessment of Essay Quiz System in the LMS VidyaNusa Framework Using the Nazief and Adriani Stemming Algorithms," Journal of Information Technology and Its Utilization, vol. 2, no. 1, Art. no. 1, Aug. 2019, doi: 10.30818/jitu.2.1.1635.
- [24] U. Hasanah and B. P. Hartato, "Assessing Short Answers in Indonesian Using Semantic Text Similarity Method and Dynamic Corpus," in 2020 12th International Conference on Information Technology and Electrical Engineering (ICITEE), Yogyakarta, Indonesia, Oct. 2020, pp. 312–316. doi: 10.1109/ICITEE49829.2020.9271696.
- [25] F. F. Lubis et al., "Automated Short-Answer Grading using Semantic Similarity based on Word Embedding," IJTech, vol. 12, no. 3, p. 571, Jul. 2021, doi: 10.14716/ijtech.v12i3.4651.
- [26] A. A. P. Ratna, B. Budiardjo, and D. Hartanto, "SIMPLE: SISTIM PENILAI ESEI OTOMATIS UNTUK MENILAI UJIAN DALAM BAHASA INDONESIA," MST, vol. 11, no. 1, Oct. 2010, doi: 10.7454/mst.v11i1.435.
- [27] R. Adhitia and A. Purwarianti, "PENILAIAN ESAI JAWABAN BAHASA INDONESIA MENGGUNAKAN METODE SVM - LSA DENGAN FITUR GENERIK," Jurnal Sistem Informasi, vol. 5, no. 1, Art. no. 1, 2009, doi: 10.21609/jsi.v5i1.260.
- [28] R. B. Aji, Z. A. Baizal, and Y. Firdaus, "AUTOMATIC ESSAY GRADING SYSTEM MENGGUNAKAN METODE LATENT SEMANTIC ANALYSIS," SNATI, 2011.

- [29] R. Klein, A. Kyrilov, and M. Tokman, "Automated assessment of short free-text responses in computer science using latent semantic analysis," in *Proceedings of the 16th annual joint conference on Innovation and technology in computer science education*, New York, NY, USA, Jun. 2011, pp. 158–162. doi: 10.1145/1999747.1999793.
- [30] F. Rodrigues and L. Araújo, "AUTOMATIC ASSESSMENT OF SHORT FREE TEXT ANSWERS," presented at the 4th International Conference on Computer Supported Education, 2012, pp. 50–57. doi: 10.5220/0003920800500057.
- [31] W. H. Gomaa and A. A. Fahmy, "Short Answer Grading Using String Similarity And Corpus-Based Similarity," *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol. 3, no. 11, Art. no. 11, Jan. 2012, doi: 10.14569/IJACSA.2012.031119.
- [32] F. Noorbehbahani and A. A. Kardan, "The automatic assessment of free text answers using a modified BLEU algorithm," *Computers & Education*, vol. 56, no. 2, pp. 337–345, Feb. 2011, doi: 10.1016/j.compedu.2010.07.013.
- [33] C. Leacock and M. Chodorow, "C-rater: Automated Scoring of Short-Answer Questions," *Computers and the Humanities*, vol. 37, no. 4, pp. 389–405, Nov. 2003, doi: 10.1023/A:1025779619903.
- [34] J. Z. Sukkariéh and J. Blackmore, "c-rater: Automatic Content Scoring for Short Constructed Responses," presented at the *Proceedings of the Twenty-Second International Florida Artificial Intelligence Research Society Conference*, 2009, p. 6.
- [35] L. F. Bachman et al., "A reliable approach to automatic assessment of short answer free responses," in *Proceedings of the 19th international conference on Computational linguistics - Volume 2*, USA, Aug. 2002, pp. 1–4. doi: 10.3115/1071884.1071907.
- [36] M. Mohler and R. Mihalcea, "Text-to-text semantic similarity for automatic short answer grading," in *Proceedings of the 12th Conference of the European Chapter of the Association for Computational Linguistics on - EACL '09*, Athens, Greece, 2009, pp. 567–575. doi: 10.3115/1609067.1609130.
- [37] F. S. Pribadi, A. E. Permanasari, and T. B. Adjí, "Short answer scoring system using automatic reference answer generation and geometric average normalized-longest common subsequence (GAN-LCS)," *Educ Inf Technol*, vol. 23, no. 6, pp. 2855–2866, Nov. 2018, doi: 10.1007/s10639-018-9745-z.

- [38] R. Roger .D, “Adaptive Computerized Educational Systems: A Case Study,” in *Evidence-Based Educational Methods - 1st Edition*, Academic Press, 2004.
- [39] K. Atchariyachanvanich, S. Nalintippayawong, and T. Julavanich, “Reverse SQL Question Generation Algorithm in the DBLearn Adaptive E-Learning System,” *IEEE Access*, vol. 7, pp. 54993–55004, 2019, doi: 10.1109/ACCESS.2019.2912522.
- [40] N. Khodeir, N. Wanas, N. Darwish, and N. Hegazy, “Bayesian based adaptive question generation technique,” *Journal of Electrical Systems and Information Technology*, vol. 1, no. 1, pp. 10–16, May 2014, doi: 10.1016/j.jesit.2014.03.007.
- [41] O. Sitthisak, “A competency model for semi-automatic question generation in adaptive assessment,” phd, University of Southampton, 2009. Accessed: Sep. 01, 2022. [Online]. Available: <https://eprints.soton.ac.uk/66322/>
- [42] L. Zhang, J. D. Basham, and S. Yang, “Understanding the implementation of personalized learning: A research synthesis,” *Educational Research Review*, vol. 31, p. 100339, Nov. 2020, doi: 10.1016/j.edurev.2020.100339.
- [43] E. Aeiad and F. Meziane, “An adaptable and personalised E-learning system applied to computer science Programmes design,” *Educ Inf Technol*, vol. 24, no. 2, pp. 1485–1509, Mar. 2019, doi: 10.1007/s10639-018-9836-x.
- [44] N. A. Sahabudin and M. B. Ali, “Personalized Learning and Learning Style among Upper Secondary School Students,” *Procedia - Social and Behavioral Sciences*, vol. 103, pp. 710–716, Nov. 2013, doi: 10.1016/j.sbspro.2013.10.391.
- [45] A. Klačnja-Milićević, M. Ivanović, B. Vesin, and Z. Budimac, “Enhancing e-learning systems with personalized recommendation based on collaborative tagging techniques,” *Appl Intell*, vol. 48, no. 6, pp. 1519–1535, Jun. 2018, doi: 10.1007/s10489-017-1051-8.
- [46] A. Klačnja-Milićević, B. Vesin, and M. Ivanović, “Social tagging strategy for enhancing e-learning experience,” *Computers & Education*, vol. 118, pp. 166–181, Mar. 2018, doi: 10.1016/j.compedu.2017.12.002.
- [47] F. S. Pribadi, T. B. Adji, and A. E. Permanasari, “Automated Short Answer Scoring using Weighted Cosine Coefficient,” in *2016 IEEE Conference on e-Learning, e-Management and e-Services (IC3e)*, Oct. 2016, pp. 70–74. doi: 10.1109/IC3e.2016.8009042.

- [48] E. S. Pramukantoro and M. A. Fauzi, "Comparative analysis of string similarity and corpus-based similarity for automatic essay scoring system on e-learning gamification," in 2016 International Conference on Advanced Computer Science and Information Systems (ICACSIS), Malang, Indonesia, Oct. 2016, pp. 149–155. doi: 10.1109/ICACSIS.2016.7872785.
- [49] A. C. Rivera, M. Tapia-Leon, and S. Lujan-Mora, "Recommendation Systems in Education: A Systematic Mapping Study," in Proceedings of the International Conference on Information Technology & Systems (ICITS 2018), Cham, 2018, pp. 937–947. doi: 10.1007/978-3-319-73450-7_89.
- [50] N. S. Raj and V. G. Renumol, "A systematic literature review on adaptive content recommenders in personalized learning environments from 2015 to 2020," J. Comput. Educ., vol. 9, no. 1, pp. 113–148, Mar. 2022, doi: 10.1007/s40692-021-00199-4.
- [51] F. Dorça, R. Araújo, V. Carvalho, D. Resende, and R. Cattelan, "An Automatic and Dynamic Approach for Personalized Recommendation of Learning Objects Considering Students Learning Styles: An Experimental Analysis," Informatics in Education, vol. 15, pp. 45–62, Apr. 2016, doi: 10.15388/infedu.2016.03.
- [52] G.-J. Hwang, H. Xie, B. W. Wah, and D. Gašević, "Vision, challenges, roles and research issues of Artificial Intelligence in Education," Computers and Education: Artificial Intelligence, vol. 1, p. 100001, Jan. 2020, doi: 10.1016/j.caeai.2020.100001.
- [53] M. Bilal Ali, "Sistem penghasiian bahan pembelajaran peribadi berasaskan kecerdasan pelbagai dalam persekitaran web," phd, Universiti Teknologi Malaysia, Faculty of Education, 2009.
- [54] J. Joy and R. V. G, "Comparison of Generic Similarity Measures in E-learning Content Recommender System in Cold-Start Condition," in 2020 IEEE Bombay Section Signature Conference (IBSSC), Dec. 2020, pp. 175–179. doi: 10.1109/IBSSC51096.2020.9332162.
- [55] N. Raj and R. V G, "Architecture of an Adaptive Personalized Learning Environment (APLE) for Content Recommendation," in ICDTE 2018: Proceedings of the 2nd International Conference on Digital Technology in Education, Oct. 2018, pp. 17–22. doi: 10.1145/3284497.3284503.
- [56] Y. Rosen et al., "The effects of adaptive learning in a massive open online course on learners' skill development," in Proceedings of the Fifth Annual ACM Conference on Learning at Scale, London United Kingdom, Jun. 2018, pp. 1–8. doi: 10.1145/3231644.3231651.

- [57] H. Xie, H.-C. Chu, G.-J. Hwang, and C.-C. Wang, "Trends and development in technology-enhanced adaptive/personalized learning: A systematic review of journal publications from 2007 to 2017," *Computers & Education*, vol. 140, p. 103599, Oct. 2019, doi: 10.1016/j.compedu.2019.103599.
- [58] R. Feldman and J. Sanger, *The Text Mining Handbook: Advanced Approaches in Analyzing Unstructured Data*. Cambridge: Cambridge University Press, 2006. doi: 10.1017/CBO9780511546914.
- [59] L. Hickman, S. Thapa, L. Tay, M. Cao, and P. Srinivasan, "Text Preprocessing for Text Mining in Organizational Research: Review and Recommendations," *Organizational Research Methods*, vol. 25, no. 1, pp. 114–146, Jan. 2022, doi: 10.1177/1094428120971683.
- [60] J. P. Simmons, L. D. Nelson, and U. Simonsohn, "False-Positive Psychology: Undisclosed Flexibility in Data Collection and Analysis Allows Presenting Anything as Significant," *Psychol Sci*, vol. 22, no. 11, pp. 1359–1366, Nov. 2011, doi: 10.1177/0956797611417632.
- [61] V. B. Kobayashi, S. T. Mol, H. A. Berkers, G. Kismihók, and D. N. Den Hartog, "Text Classification for Organizational Researchers: A Tutorial," *Organizational Research Methods*, vol. 21, no. 3, pp. 766–799, Jul. 2018, doi: 10.1177/1094428117719322.
- [62] M. L. Kern et al., "Gaining insights from social media language: Methodologies and challenges," *Psychological Methods*, vol. 21, no. 4, pp. 507–525, Dec. 2016, doi: 10.1037/met0000091.
- [63] V. B. Kobayashi, S. T. Mol, H. A. Berkers, G. Kismihók, and D. N. Den Hartog, "Text Mining in Organizational Research," *Organizational Research Methods*, vol. 21, no. 3, pp. 733–765, Jul. 2018, doi: 10.1177/1094428117722619.
- [64] G. C. Banks, H. M. Woznyj, R. S. Wesslen, and R. L. Ross, "A Review of Best Practice Recommendations for Text Analysis in R (and a User-Friendly App)," *J Bus Psychol*, vol. 33, no. 4, pp. 445–459, Aug. 2018, doi: 10.1007/s10869-017-9528-3.
- [65] G. George, E. C. Osinga, D. Lavie, and B. A. Scott, "Big Data and Data Science Methods for Management Research," *AMJ*, vol. 59, no. 5, pp. 1493–1507, Oct. 2016, doi: 10.5465/amj.2016.4005.
- [66] J. Asian, "Effective Techniques for Indonesian Text Retrieval," PhD Thesis, RMIT University, Melbourne, Australia, 2007.

- [67] J. Golbeck, C. Robles, M. Edmondson, and K. Turner, "Predicting Personality from Twitter," in 2011 IEEE Third International Conference on Privacy, Security, Risk and Trust and 2011 IEEE Third International Conference on Social Computing, Oct. 2011, pp. 149–156. doi: 10.1109/PASSAT/SocialCom.2011.33.
- [68] F. Z. Tala, "A Study of Stemming Effects on Information Retrieval in Bahasa Indonesia," Thesis, Universiteit van Amsterdam, The Netherlands, 2003.
- [69] B. Nazief and M. Adriani, "Confix Stripping: Approach to Stemming Algorithm for Bahasa Indonesia," Internal publication, Faculty of Computer Science, University of Indonesia, Depok, Jakarta, vol. 41, 1996.
- [70] M. Adriani, J. Asian, B. Nazief, S. M. M. Tahaghoghi, and H. E. Williams, "Stemming Indonesian: A confix-stripping approach," ACM Transactions on Asian Language Information Processing, vol. 6, no. 4, pp. 1–33, Dec. 2007, doi: 10.1145/1316457.1316459.
- [71] A. Z. Arifin, P. A. K. Mahendra, and H. T. Ciptaningtyas, "ENHANCED CONFIX STRIPPING STEMMER AND ANTS ALGORITHM FOR CLASSIFYING NEWS DOCUMENT IN INDONESIAN LANGUAGE," presented at the International Conference on Information & Communication Technology and Systems (ICTS), Surabaya, Feb. 2009.
- [72] A. D. Tahitoe, "IMPLEMENTASI MODIFIKASI ENHANCED CONFIX STRIPPING STEMMER UNTUK BAHASA INDONESIA DENGAN METODE CORPUS BASED STEMMING," Bachelor Thesis, Institut Teknologi Sepuluh Nopember, 2010.
- [73] R. T. Wahyuni and D. Prastiyanto, "Penerapan Algoritma Cosine Similarity dan Pembobotan TF-IDF pada Sistem Klasifikasi Dokumen Skripsi," vol. 9, no. 1, 2017.
- [74] A. KumarPatidar, J. Agrawal, and N. Mishra, "Analysis of Different Similarity Measure Functions and Their Impacts on Shared Nearest Neighbor Clustering Approach," IJCA, vol. 40, no. 16, pp. 1–5, Feb. 2012, doi: 10.5120/5061-7221.
- [75] Q. Khan, T. Mahmood, and J. Ye, "VECTOR SIMILARITY MEASURES FOR SIMPLIFIED NEUTROSOPHIC HESITANT FUZZY SET AND THEIR APPLICATIONS," Journal of inequalities and special functions, vol. 7, pp. 176–194, Dec. 2016.
- [76] S. Wahyu S. J. and M. Faisal, "PENGENALAN KARAKTER PADA PROSES DIGITALISASI DOKUMEN MENGGUNAKAN COSINE SIMILARITY," in Seminar Nasional Teknik Informatika (SANTIKA) 2013, Sep. 2013, pp. 51–56.

- [77] N. Nakatsu, Y. Kambayashi, and S. Yajima, "A longest common subsequence algorithm suitable for similar text strings," *Acta Informatica*, vol. 18, no. 2, 1982, doi: 10.1007/BF00264437.
- [78] M. N. Saadah, R. W. Atmagi, D. S. Rahayu, and A. Z. Arifin, "SISTEM TEMU KEMBALI DOKUMEN TEKS DENGAN PEMBOBOTAN TF-IDF DAN LCS | Saadah | JUTI: Jurnal Ilmiah Teknologi Informasi," *JUTI*, vol. 11, no. 1, p. 19, Jan. 2013, doi: <http://dx.doi.org/10.12962/j24068535.v11i1.a16>.
- [79] S. Mahalakshmi and S. Kavitha, "Software Program Plagiarism Detection Using Longest Common Subsequence Method," *International Journal of Computer Techniques*, vol. 3, no. 4, p. 6, 2016.
- [80] F. Nicholas, "IDENTIFIKASI TIPE FILE DARI FILE FRAGMENT MENGGUNAKAN LONGEST COMMON SUBSEQUENCES (LCS)," Bachelor Thesis, Universitas Sumatera Utara, Medan, 2015.
- [81] S. Boslaugh and P. A. Watters, *Statistics in a nutshell: A desktop quick reference*. Sebastopol, CA: O'Reilly Media, 2008.
- [82] D. Christie and S. P. Neill, "Measuring and Observing the Ocean Renewable Energy Resource," in *Comprehensive Renewable Energy (Second Edition)*, Second Edition., T. M. Letcher, Ed. Oxford: Elsevier, 2022, pp. 149–175. doi: <https://doi.org/10.1016/B978-0-12-819727-1.00083-2>.
- [83] I. Saputra, *Machine Learning untuk Pemula*. Informatika, 2022.
- [84] A. G. Barnston, "Correspondence among the Correlation, RMSE, and Heidke Forecast Verification Measures; Refinement of the Heidke Score," *Weather and Forecasting*, vol. 7, no. 4, pp. 699–709, Dec. 1992, doi: 10.1175/1520-0434(1992)007<0699:CATCRA>2.0.CO;2.
- [85] S. Bansilal, "The application of the percentage change calculation in the context of inflation in Mathematical Literacy," *Pythagoras*, vol. 38, no. 1, Jul. 2017, doi: 10.4102/pythagoras.v38i1.314.
- [86] "Programmable Search Engine | Google Developers." <https://developers.google.com/custom-search> (accessed Aug. 22, 2022).
- [87] J. Mueller, *Mining Google web services: building applications with the Google API*. San Francisco: Sybex, 2004.
- [88] I. Majid, "Analisis Penerapan Google Custom Search API pada Sistem Pencarian Data," *jcis*, vol. 1, no. 1, pp. 29–35, Aug. 2021, doi: 10.31605/jcis.v1i1.626.

- [89] A. Gürel and E. Basri, "The Use of the Google Search Engine for Accessing Private Information on the World Wide Web," in The First International Conference on Security of Information and Networks (SIN), May 2007, vol. The First International Conference on Security of Information and Networks (SIN), p. 12.
- [90] Z. N. Muslimah, "Aplikasi Pencarian berita untuk Media Monitoring dengan Menggunakan Web Crawler dan Google Custom Search API," Skripsi, Universitas Gadjah Mada, 2015.
- [91] M. Ahsan, H. Seldon, and S. Sayeed, "Personal health records: Retrieving contextual information with Google Custom Search," *Studies in health technology and informatics*, vol. 182, pp. 10–8, Nov. 2012, doi: 10.3233/978-1-61499-152-6-10.
- [92] D. D. Schmick, E. D. Johnson, C. L. Scoville, and P. K. Vaduvathiriyen, "Building a Google™ Custom Search Engine (CSE) for Foreign Language Health Information: One Library's Effort to Create a New Tool for Health Professionals," *Journal of Consumer Health On the Internet*, vol. 16, no. 1, pp. 27–36, Jan. 2012, doi: 10.1080/15398285.2011.646590.
- [93] New York University and M. Gasparotto, "Using Google's Custom Search Engine Product to Discover Scholarly Open Access and Cost-Free eBooks from Latin America," *RIB*, vol. 41, no. 2, pp. 153–166, May 2018, doi: 10.17533/udea.rib.v41n2a04.
- [94] "Stopwords Indonesian (ID)." [Online]. Available: <https://github.com/stopwords-iso/stopwords-id>
- [95] "Sastrawi." [Online]. Available: <https://github.com/sastrawi/sastrawi>
- [96] H. K. Azad and A. Deepak, "Query expansion techniques for information retrieval: A survey," *Information Processing & Management*, vol. 56, no. 5, pp. 1698–1735, Sep. 2019, doi: 10.1016/j.ipm.2019.05.009.
- [97] D. J. Rumsey, *Statistics for dummies*, 2nd ed. Hoboken, N.J: Wiley, 2011.