REFERENCES

- [1] Z. Wang, K. Hahn, Y. Kim, S. Song, and J.-M. Seo, "A news-topic recommender system based on keywords extraction," *Multimedia Tools and Applications*, vol. 77, no. 4, pp. 4339–4353, 2018.
- [2] Y. Xing, I. Mohallick, J. A. Gulla, Ö. Özgöbek, and L. Zhang, "An educational news dataset for recommender systems," in *Communications in Computer and Information Science*, vol. 1323. Springer International Publishing, 2020.
- [3] M. Panteli, A. Piscopo, A. Harland, J. Tutcher, and F. M. Moss, "Recommendation systems for news articles at the bbc," in *CEUR Workshop Proceedings*, vol. 2554, 2020, pp. 44–52.
- [4] N. Khotimah and A. S. Girsang, "Indonesian news articles summarization using genetic algorithm," *Engineering Letters*, vol. 30, no. 1, pp. 152–160, 2022.
- [5] G. Xu, Z. Meng, Y.and Chen, X. Qiu, and H. Wang, C.and Yao, "Research on topic detection and tracking for online news texts," *IEEE Access*, vol. 7, pp. 58407–58418, 2019.
- [6] A. Mahalakshmi, P. Dharani, S. DivyaPriya, and M. Gayathri, "News recommendation systems," in 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), vol. 1, 2024.
- [7] A. H. J. P. J. Permana and A. T. Wibowo, "Movie recommendation system based on synopsis using content-based filtering with tf-idf and cosine similarity," *International Journal on Information and Communication Technology (IJoICT)*, vol. 9(2), 2023.
- [8] L. Havrlant and V. Kreinovich, "A simple probabilistic explanation of term frequency-inverse document frequency (tf-idf) heuristic (and variations motivated by this explanation)," *International Journal of General Systems*, vol. 46, pp. 27–36, 2017.
- [9] B. Z. K. A. Ayundhita, M. S. and Y. Sibaroni, "Ontology-based conversational recommender system for recommending laptop," *In Journal of Physics: Conference Series*, vol. 1192, 2019.
- [10] W. D. H. Baizal, Z. A. and N. U. Maulidevi, "Query refinement in recommender system based on product functional requirements," In 2016 International Conference on Advanced Computer Science and Information Systems (ICACSIS), 2016.
- [11] F. D. Gunawan, R. Purnamasari, and R. et al, "Keyword extraction from scientific articles in bahasa indonesia using textrank algorithm," 2020 4th International Conference on Electrical, Telecommunication and Computer Engineering, ELTICOM 2020 Proceedings, pp. 260–264, 2020.
- [12] Y. Verma, A. Jangra, S. Saha, A. Jatowt, and D. Roy, "Maked: Multi-lingual automatic keyword extraction dataset," 2022 Language Resources and Evaluation Conference, LREC 2022, vol. 1, 2022.
- [13] M. Thushara, T. Mownika, and R. Mangamuru, "A comparative study on different keyword extraction algorithms," in *Proceedings of the 3rd International Conference on Computing Methodologies and Communication (ICCMC)*, 2019, pp. 969–973.
- [14] G. W. Kim, W. H. Kim, K. Chung, and J. C. Kim, "Extraction of meta-data for recommendation using keyword mapping," *IEEE Access*, 2024.
- [15] G. Campobello, A. Segreto, and S. Z. et al, "Rake: A simple and efficient lossless compression algorithm for the internet of things," 25th European Signal Processing Conference, EUSIPCO 2017, vol. 2017-January, pp. 2581–2585, 2017.
- [16] J. Thomas, S. Bharti, and K. Babu, "Automatic keyword extraction for text summarization in e-newspapers," ACM International Conference Proceeding Series, vol. 25-26-August-2016, 2016.
- [17] C. Arya, M. Diwakar, P. Singh, V. Singh, S.Kadry, and J. Kim, "Multi-document news web page summarization using content extraction and lexical chain based key phrase extraction," *Mathematics*, vol. 11(8), p. 1762, 2023.
- [18] M. Naeem, F. Rustam, and A. M. et al, "Classification of movie reviews using term frequency-inverse document frequency and optimized machine learning algorithms," *PeerJ Computer Science*, vol. 8, pp. 1–28, 2022.
- [19] L. Mookiah, W. Eberle, and M. Mondal, "Personalized news recommendation using graph-based approach," *Intelligent Data Analysis*, vol. 22, pp. 881–909, 2018.
- [20] R. Ramachandran, M. K. Mohan, and S. K. Sara, "Document clustering using keyword extraction," *In 2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT)*, pp. 01–06, 2022.
- [21] M. W. Nurrahmi, H. and S. Saadah, "Feature extraction and opinion classification using class sequential rule on customer product review," *In 2016 4th International Conference on Information and Communication Technology (ICoICT)*, 2016.
- [22] S. Weng and J. Wu, "Recommendation on keyword combination of news headlines," 2018 5th International Conference on Systems and Informatics, ICSAI 2018, pp. 1146–1151, 2019.
- [23] A. Hakim, A. Erwin, K. Eng, M. Galinium, and W. Muliady, "Automated document classification for nes article in bahasa indonesia based on term frequency inverse document frequency (tf-idf) approach," *Proceedings*, 2014 6th International Conference on Information Technology and Electrical Engineering: "Leveraging Research and Technology through University-Industry Collaboration": 7-8 October 2014, Eastparc Hotel, Yogyakarta, Indonesia, pp. 1–4, 2014.
- [24] J. Baruni and J. Sathiaseelan, "Keyphrase extraction from document using rake and textrank algorithms," International Journal of Computer Science and Mobile Computing, vol. 9, pp. 83–93, 2020.