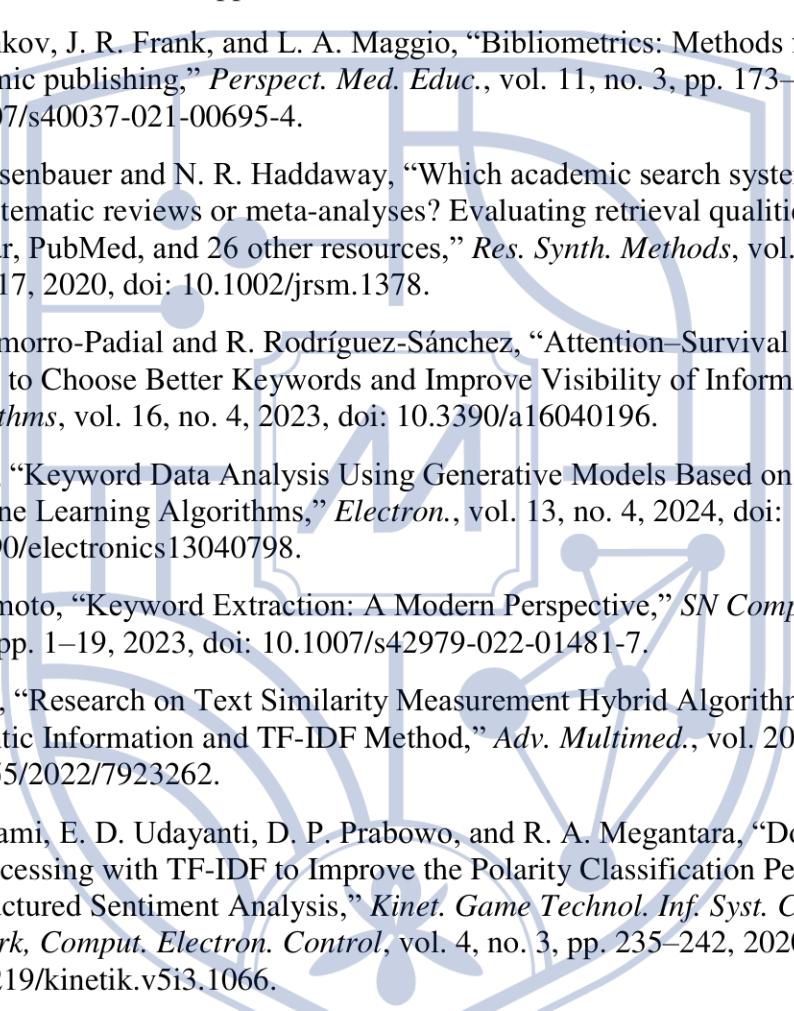


DAFTAR PUSTAKA

- [1] F. Novita Suratman and A. Darumurti, “Collaborative Governance Dalam Pengelolaan Ruang Terbuka Hijau Publik (Rthp) Di Kota Yogyakarta,” *J. Pemerintah. dan Kebijak.*, vol. 2, no. 2, pp. 102–121, 2021, doi: 10.18196/jpk.v2i2.12743.
- [2] L. Corrin, K. Thompson, G. J. Hwang, and J. M. Lodge, “The importance of choosing the right keywords for educational technology publications,” *Australas. J. Educ. Technol.*, vol. 38, no. 2, pp. 1–8, 2022, doi: 10.14742/ajet.8087.
- [3] P. Pottier *et al.*, “Title, abstract and keywords: a practical guide to maximize the visibility and impact of academic papers,” *Proc. R. Soc. B Biol. Sci.*, vol. 291, no. 2027, Jul. 2024, doi: 10.1098/rspb.2024.1222.
- [4] A. A. Salatino, F. Osborne, A. Birukou, and E. Motta, “Improving Editorial Workflow and Metadata Quality at Springer Nature,” *Lect. Notes Comput. Sci. (including Subser. Lect. Notes Artif. Intell. Lect. Notes Bioinformatics)*, vol. 11779 LNCS, pp. 507–525, 2019, doi: 10.1007/978-3-030-30796-7_31.
- [5] C. Chae, J. H. Yim, J. Lee, S. J. Jo, and J. R. Oh, *The bibliometric keywords network analysis of human resource management research trends: The case of human resource management journals in South Korea*, vol. 12, no. 14. 2020. doi: 10.3390/su12145700.
- [6] R. N. Rathi and A. Mustafi, “The importance of Term Weighting in semantic understanding of text: A review of techniques,” *Multimed. Tools Appl.*, vol. 82, no. 7, pp. 9761–9783, 2023, doi: 10.1007/s11042-022-12538-3.
- [7] W. Lu, Z. Liu, Y. Huang, Y. Bu, X. Li, and Q. Cheng, “How do authors select keywords? A preliminary study of author keyword selection behavior,” *J. Informetr.*, vol. 14, no. 4, pp. 1–17, 2020, doi: 10.1016/j.joi.2020.101066.
- [8] T. Bin Sarwar, N. M. Noor, and M. S. U. Miah, “Evaluating keyphrase extraction algorithms for finding similar news articles using lexical similarity calculation and semantic relatedness measurement by word embedding,” *PeerJ Comput. Sci.*, vol. 8, 2022, doi: 10.7717/peerj-cs.1024.
- [9] D. B. Hier *et al.*, “Evaluation of standard and semantically-augmented distance metrics for neurology patients,” *BMC Med. Inform. Decis. Mak.*, vol. 20, no. 1, pp. 1–15, 2020, doi: 10.1186/s12911-020-01217-8.
- [10] S. Wang, L. Thompson, and M. Iyyer, “Phrase-BERT: Improved Phrase Embeddings from BERT with an Application to Corpus Exploration,” in *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, Stroudsburg, PA, USA: Association for Computational Linguistics, 2021, pp. 10837–10851. doi: 10.18653/v1/2021.emnlp-main.846.
- [11] P. Pęzik, A. Mikołajczyk, A. Wawryński, B. Nitoń, and M. Ogrodniczuk, “Keyword Extraction from Short Texts with a Text-to-Text Transfer Transformer,” *Commun. Comput. Inf. Sci.*, vol. 1716 CCIS, pp. 530–542, 2022, doi: 10.1007/978-981-19-8234-7_41.

- 
- [12] M. Mars, "From Word Embeddings to Pre-Trained Language Models: A State-of-the-Art Walkthrough," *Appl. Sci.*, vol. 12, no. 17, 2022, doi: 10.3390/app12178805.
 - [13] M. Lewis *et al.*, "BART: Denoising sequence-to-sequence pre-training for natural language generation, translation, and comprehension," *Proc. Annu. Meet. Assoc. Comput. Linguist.*, pp. 7871–7880, 2020, doi: 10.18653/v1/2020.acl-main.703.
 - [14] J. Devlin, M. W. Chang, K. Lee, and K. Toutanova, "BERT: Pre-training of deep bidirectional transformers for language understanding," *NAACL HLT 2019 - 2019 Conf. North Am. Chapter Assoc. Comput. Linguist. Hum. Lang. Technol. - Proc. Conf.*, vol. 1, no. Mlm, pp. 4171–4186, 2019.
 - [15] A. Ninkov, J. R. Frank, and L. A. Maggio, "Bibliometrics: Methods for studying academic publishing," *Perspect. Med. Educ.*, vol. 11, no. 3, pp. 173–176, 2022, doi: 10.1007/s40037-021-00695-4.
 - [16] M. Gusenbauer and N. R. Haddaway, "Which academic search systems are suitable for systematic reviews or meta-analyses? Evaluating retrieval qualities of Google Scholar, PubMed, and 26 other resources," *Res. Synth. Methods*, vol. 11, no. 2, pp. 181–217, 2020, doi: 10.1002/jrsm.1378.
 - [17] J. Chamorro-Padial and R. Rodríguez-Sánchez, "Attention–Survival Score: A Metric to Choose Better Keywords and Improve Visibility of Information," *Algorithms*, vol. 16, no. 4, 2023, doi: 10.3390/a16040196.
 - [18] S. Jun, "Keyword Data Analysis Using Generative Models Based on Statistics and Machine Learning Algorithms," *Electron.*, vol. 13, no. 4, 2024, doi: 10.3390/electronics13040798.
 - [19] T. Nomoto, "Keyword Extraction: A Modern Perspective," *SN Comput. Sci.*, vol. 4, no. 1, pp. 1–19, 2023, doi: 10.1007/s42979-022-01481-7.
 - [20] F. Lan, "Research on Text Similarity Measurement Hybrid Algorithm with Term Semantic Information and TF-IDF Method," *Adv. Multimed.*, vol. 2022, 2022, doi: 10.1155/2022/7923262.
 - [21] F. Alzami, E. D. Udayanti, D. P. Prabowo, and R. A. Megantara, "Document Preprocessing with TF-IDF to Improve the Polarity Classification Performance of Unstructured Sentiment Analysis," *Kinet. Game Technol. Inf. Syst. Comput. Network, Comput. Electron. Control*, vol. 4, no. 3, pp. 235–242, 2020, doi: 10.22219/kinetik.v5i3.1066.
 - [22] Z. H. Amur, Y. K. Hooi, G. M. Soomro, H. Bhanbhro, S. Karyem, and N. Sohu, "Unlocking the Potential of Keyword Extraction: The Need for Access to High-Quality Datasets," *Appl. Sci.*, vol. 13, no. 12, 2023, doi: 10.3390/app13127228.
 - [23] B. Abu-Salih, "Domain-specific knowledge graphs: A survey," *J. Netw. Comput. Appl.*, vol. 185, 2021, doi: 10.1016/j.jnca.2021.103076.
 - [24] J. Z. Maitama, N. Idris, A. Abdi, L. Shuib, and R. Fauzi, "A systematic review on implicit and explicit aspect extraction in sentiment analysis," *IEEE Access*, vol. 8, pp. 194166–194191, 2020, doi: 10.1109/ACCESS.2020.3031217.
 - [25] L. A. Kumar and D. K. Renuka, "State-of-the-Art Natural Language Processing," *Deep Learn. Approach Nat. Lang. Process. Speech, Comput. Vis.*, pp. 49–75, 2023, doi: 10.1201/9781003348689-3.

- [26] H. Palivelal, “Optimization of paraphrase generation and identification using language models in natural language processing,” *Int. J. Inf. Manag. Data Insights*, vol. 1, no. 2, p. 100025, 2021, doi: 10.1016/j.jjimei.2021.100025.
- [27] A. Gillioz, J. Casas, E. Mugellini, and O. A. Khaled, “Overview of the Transformer-based Models for NLP Tasks,” *Proc. 2020 Fed. Conf. Comput. Sci. Inf. Syst. FedCSIS 2020*, vol. 21, pp. 179–183, 2020, doi: 10.15439/2020F20.
- [28] Z. M. Zayyanu, “Revolutionising Translation Technology: A Comparative Study of Variant Transformer Models - BERT, GPT, and T5,” *Comput. Sci. Eng. An Int. J.*, vol. 14, no. 3, pp. 15–27, 2024, doi: 10.5121/cseij.2024.14302.
- [29] M. H. Hwang, J. Shin, H. Seo, J. S. Im, H. Cho, and C. K. Lee, “Ensemble-NQG-T5: Ensemble Neural Question Generation Model Based on Text-to-Text Transfer Transformer,” *Appl. Sci.*, vol. 13, no. 2, 2023, doi: 10.3390/app13020903.
- [30] S. Cao and L. Wang, “CLIFF: Contrastive Learning for Improving Faithfulness and Factuality in Abstractive Summarization,” *EMNLP 2021 - 2021 Conf. Empir. Methods Nat. Lang. Process. Proc.*, pp. 6633–6649, 2021, doi: 10.18653/v1/2021.emnlp-main.532.
- [31] W. Yuan, G. Neubig, and P. Liu, “BARTSCORE: Evaluating Generated Text as Text Generation,” *Adv. Neural Inf. Process. Syst.*, vol. 33, no. NeurIPS, pp. 27263–27277, 2021.
- [32] M. La Quatra and L. Cagliero, “BART-IT: An Efficient Sequence-to-Sequence Model for Italian Text Summarization,” *Futur. Internet*, vol. 15, no. 1, 2023, doi: 10.3390/fi15010015.
- [33] F. Luo *et al.*, “Rethinking Denoised Auto-Encoding in Language Pre-Training,” *EMNLP 2021 - 2021 Conf. Empir. Methods Nat. Lang. Process. Proc.*, pp. 2922–2932, 2021, doi: 10.18653/v1/2021.emnlp-main.232.
- [34] K. Akiyama, A. Tamura, and T. Ninomiya, “Hie-BART: Document Summarization with Hierarchical BART,” *NAACL-HLT 2021 - 2021 Conf. North Am. Chapter Assoc. Comput. Linguist. Hum. Lang. Technol. Proc. Student Res. Work.*, pp. 159–165, 2021, doi: 10.18653/v1/2021.nacl-srw.20.
- [35] Y. Guo, H. Zan, and H. Xu, “Joint Modeling of Chinese Minority Language Translation Tasks,” *Proc. 2023 Int. Conf. Asian Lang. Process. IALP 2023*, no. 62306284, pp. 62–67, 2023, doi: 10.1109/IALP61005.2023.10337041.
- [36] A. Latif and J. Kim, “Evaluation and Analysis of Large Language Models for Clinical Text Augmentation and Generation,” *IEEE Access*, vol. 12, no. April, pp. 48987–48996, 2024, doi: 10.1109/ACCESS.2024.3384496.
- [37] M. H. Asif and A. U. Yaseen, “Comparative Evaluation of Text Similarity Matrices for Enhanced Abstractive Summarization on CNN/Dailymail Corpus,” *J. Comput. Biomed. Informatics*, vol. 6, no. 01, pp. 208–215, 2023.
- [38] C. Li, L. Wang, X. Lin, G. de Melo, and L. He, “Curriculum Prompt Learning with Self-Training for Abstractive Dialogue Summarization,” *Proc. 2022 Conf. Empir. Methods Nat. Lang. Process. EMNLP 2022*, pp. 1096–1106, 2022, doi: 10.18653/v1/2022.emnlp-main.72.
- [39] A. Glazkova and D. Morozov, “Cross-Domain Robustness of Transformer-Based

- Keyphrase Generation,” *Commun. Comput. Inf. Sci.*, vol. 2086 CCIS, pp. 249–265, 2024, doi: 10.1007/978-3-031-67826-4_19.
- [40] P. Harth, O. Jähde, S. Schneider, N. Horn, and R. Buchkremer, “From Data to Human-Readable Requirements: Advancing Requirements Elicitation through Language-Transformer-Enhanced Opportunity Mining,” *Algorithms*, vol. 16, no. 9, 2023, doi: 10.3390/a16090403.
- [41] A. Mustar, S. Lamprier, and B. Piwowarski, “Using BERT and BART for query suggestion,” *CEUR Workshop Proc.*, vol. 2621, 2020.
- [42] A. Glazkova and D. Morozov, “Multi-task fine-tuning for generating keyphrases in a scientific domain,” in *2023 IX International Conference on Information Technology and Nanotechnology (ITNT)*, IEEE, Apr. 2023, pp. 1–5. doi: 10.1109/ITNT57377.2023.10139061.
- [43] R. S. Kartha *et al.*, “NLP-Based Automatic Summarization using Bidirectional Encoder Representations from Transformers-Long Short Term Memory Hybrid Model: Enhancing Text Compression,” *Int. J. Adv. Comput. Sci. Appl.*, vol. 15, no. 5, pp. 1223–1236, 2024, doi: 10.14569/IJACSA.2024.01505124.
- [44] H. Srivastava, V. Varshney, S. Kumari, and S. Srivastava, “A novel hierarchical BERT architecture for sarcasm detection,” *Proc. Annu. Meet. Assoc. Comput. Linguist.*, pp. 93–97, 2020, doi: 10.18653/v1/P17.
- [45] X. Yang, K. Yang, T. Cui, M. Chen, and L. He, “A Study of Text Vectorization Method Combining Topic Model and Transfer Learning,” *Processes*, vol. 10, no. 2, p. 350, Feb. 2022, doi: 10.3390/pr10020350.
- [46] H. F. Mahdi, R. Dagli, A. Mustufa, and S. Nanivadekar, “Job Descriptions Keyword Extraction using Attention based Deep Learning Models with BERT,” *HORA 2021 - 3rd Int. Congr. Human-Computer Interact. Optim. Robot. Appl. Proc.*, 2021, doi: 10.1109/HORA52670.2021.9461296.
- [47] E. Hofmann-Coyle, M. Kulkarni, L. Xie, M. Maddela, and D. Preotiuc-Pietro, “Extractive Entity-Centric Summarization as Sentence Selection using Bi-Encoders,” in *Proceedings of the 2nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing (Volume 2: Short Papers)*, Stroudsburg, PA, USA: Association for Computational Linguistics, 2022, pp. 326–333. doi: 10.18653/v1/2022.aacl-short.40.
- [48] S. Araújo, M. Aguiar, and J. Monteiro, “A BERT-Powered Writing Assistant for Academic Purposes in European Portuguese,” *Smart Innov. Syst. Technol.*, vol. 320, pp. 513–520, 2023, doi: 10.1007/978-981-19-6585-2_45.
- [49] V. Krishnamurthy and V. Balaji, “Yours Truly: A Credibility Framework for Effortless LLM-Powered Fact Checking,” *IEEE Access*, vol. 12, no. December, pp. 195152–195173, 2024, doi: 10.1109/ACCESS.2024.3520187.
- [50] X. Guan and S. Long, “Hierarchical Keyword Generation Method for Low-Resource Social Media Text,” *Inf.*, vol. 14, no. 11, 2023, doi: 10.3390/info14110615.
- [51] A. Alokla, W. Gad, W. Nazih, M. Aref, and A. B. Salem, “Pseudocode Generation

- from Source Code Using the BART Model," *Mathematics*, vol. 10, no. 21, pp. 1–14, 2022, doi: 10.3390/math10213967.
- [52] S. Patil, L. Chavan, J. Mukane, D. Vora, and V. Chitre, "State-of-the-Art Approach to e-Learning with Cutting Edge NLP Transformers: Implementing Text Summarization, Question and Distractor Generation, Question Answering," *Int. J. Adv. Comput. Sci. Appl.*, vol. 13, no. 1, pp. 445–453, 2022, doi: 10.14569/IJACSA.2022.0130155.
- [53] Z. Xu, H. Han, L. Li, J. Zhang, and Z. Zhou, "Identifying multidisciplinary problems from scientific publications based on a text generation method," *J. Data Inf. Sci.*, vol. 9, no. 3, pp. 213–237, 2024, doi: 10.2478/jdis-2024-0021.
- [54] L. Ding, Z. Zhang, H. Liu, J. Li, and G. Yu, "Automatic Keyphrase Extraction from Scientific Chinese Medical Abstracts Based on Character-Level Sequence Labeling," *J. Data Inf. Sci.*, vol. 6, no. 3, pp. 35–57, 2021, doi: 10.2478/jdis-2021-0013.
- [55] H. Nguyen and J. Ding, "Keyword-based Augmentation Method to Enhance Abstractive Summarization for Legal Documents," *19th Int. Conf. Artif. Intell. Law, ICAIL 2023 - Proc. Conf.*, pp. 437–441, 2023, doi: 10.1145/3594536.3595120.
- [56] N. Giarelis and N. Karacapilidis, *Deep learning and embeddings-based approaches for keyphrase extraction: a literature review*, vol. 66, no. 11. Springer London, 2024. doi: 10.1007/s10115-024-02164-w.
- [57] N. Ben Mansour, H. Rahimi, and M. Alrahabi, "How Well Do Large Language Models Extract Keywords? A Systematic Evaluation on Scientific Corpora," in *Proceedings of the 1st Workshop on AI and Scientific Discovery: Directions and Opportunities*, Stroudsburg, PA, USA: Association for Computational Linguistics, 2025, pp. 13–21. doi: 10.18653/v1/2025.aisd-main.2.
- [58] X. Shen, Y. Wang, R. Meng, and J. Shang, "Unsupervised Deep Keyphrase Generation," *Proc. 36th AAAI Conf. Artif. Intell. AAAI 2022*, vol. 36, pp. 11303–11311, 2022, doi: 10.1609/aaai.v36i10.21381.
- [59] F. Liu, X. Huang, W. Huang, and S. X. Duan, "Performance evaluation of keyword extraction methods and visualization for student online comments," *Symmetry (Basel)*, vol. 12, no. 11, pp. 1–20, 2020, doi: 10.3390/sym12111923.
- [60] Y. J. Kim and H. Hassan, "FastFormers: Highly Efficient Transformer Models for Natural Language Understanding," in *Proceedings of SustaiNLP: Workshop on Simple and Efficient Natural Language Processing*, Stroudsburg, PA, USA: Association for Computational Linguistics, 2020, pp. 149–158. doi: 10.18653/v1/2020.sustainlp-1.20.
- [61] R. Y. Aminabadi *et al.*, "DeepSpeed- Inference: Enabling Efficient Inference of Transformer Models at Unprecedented Scale," *Int. Conf. High Perform. Comput. Networking, Storage Anal. SC*, vol. 2022-Novem, 2022, doi: 10.1109/SC41404.2022.00051.
- [62] A. V. Glazkova and D. A. Morozov, "Applying Transformer-Based Text Summarization for Keyphrase Generation," *Lobachevskii J. Math.*, vol. 44, no. 1, pp. 123–136, Jan. 2023, doi: 10.1134/S1995080223010134.

- [63] N. Arabzadeh, X. Yan, and C. L. A. Clarke, *Predicting Efficiency/Effectiveness Trade-offs for Dense vs. Sparse Retrieval Strategy Selection*, vol. 1, no. 1. Association for Computing Machinery, 2021. doi: 10.1145/3459637.3482159.
- [64] D. Peer, S. Stabinger, S. Engl, and A. Rodríguez-Sánchez, “Greedy-layer pruning: Speeding up transformer models for natural language processing,” *Pattern Recognit. Lett.*, vol. 157, pp. 76–82, May 2022, doi: 10.1016/j.patrec.2022.03.023.
- [65] C. Raffel *et al.*, “Exploring the limits of transfer learning with a unified text-to-text transformer,” *J. Mach. Learn. Res.*, vol. 21, pp. 1–67, 2020.
- [66] G. Hartawan, D. S. Maylawati, and W. Uriawan, “Bidirectional and Auto-Regressive Transformer (BART) for Indonesian Abstractive Text Summarization,” *J. Inform. Polinema*, vol. 10, no. 4, pp. 535–542, 2024, doi: 10.33795/jip.v10i4.5242.
- [67] A. Mastropaoolo *et al.*, “Studying the usage of text-to-text transfer transformer to support code-related tasks,” *Proc. - Int. Conf. Softw. Eng.*, pp. 336–347, 2021, doi: 10.1109/ICSE43902.2021.00041.
- [68] K. S. Nugroho, A. Y. Sukmadewa, and N. Yudistira, “Large-Scale News Classification using BERT Language Model: Spark NLP Approach,” *ACM Int. Conf. Proceeding Ser.*, pp. 240–246, 2021, doi: 10.1145/3479645.3479658.
- [69] S. T. Gries, “A new approach to (key) keywords analysis: Using frequency, and now also dispersion,” *Res. Corpus Linguist.*, vol. 9, no. 2, pp. 1–33, 2021, doi: 10.32714/rcl.09.02.02.
- [70] B. Babayigit and H. Sattuf, “BERT-based keyword extraction model for the Turkish language,” *Neural Comput. Appl.*, 2025, doi: 10.1007/s00521-025-11103-x.