

## DAFTAR PUSTAKA

- [1] A. Hartono, "Sistem Pendukung Keputusan pada Penjurusan Siswa Terkendala dengan metode Analytic Hierarchy Process," *JNTETI*, vol. 03, no. 3, pp. 194–200, 2014.
- [2] Bahar, "Penentuan Jurusan Sekolah Menengah Atas Dengan Algoritma Fuzzy C-Means," Universitas Dian Nuswantoro, 2011.
- [3] Muhammad Nuh, *Salinan Lampiran Peraturan Menteri Pendidikan dan Kebudayaan Nomor 69 Tahun 2013 Tentang Kerangka Dasar Struktur Kurikulum Sekolah Menengah Atas/Madrasah Aliyah*. Jakarta, 2013.
- [4] M. Fakhrrur, M. Isa, J. Matematika, F. Matematika, P. Alam, I. T. Sepuluh, and A. S. P. Keputusan, "Sistem Pendukung Keputusan dalam Memilih Jurusan SMA Menggunakan Model Yager," *Sains Dan Seni ITS*, vol. 4, no. 1, pp. 7–12, 2015.
- [5] D. Jato-Espino, E. Castillo-Lopez, J. Rodriguez-Hernandez, and J. C. Canteras-Jordana, "A review of application of multi-criteria decision making methods in construction," *Autom. Constr.*, vol. 45, pp. 151–162, Sep. 2014.
- [6] S. Kusumadewi, S. Hartati, A. Harjoko, and R. Wardoyo, "Fuzzy Multi-Attribute Decision Making (FUZZY MADM)," *Yogyakarta Graha Ilmu*, 2006.
- [7] Q. Bao, D. Ruan, Y. Shen, E. Hermans, and D. Janssens, "Improved hierarchical fuzzy TOPSIS for road safety performance evaluation," *Knowledge-Based Syst.*, vol. 32, pp. 84–90, 2012.
- [8] L. Zadeh, "Fuzzy Sets," *Inf. Control* 8, pp. 338–353, 1965.
- [9] J. A. Alonso and M. T. Lamata, "Consistency in the analytic hierarchy process: a new approach," *Int. J. Uncertainty, Fuzziness Knowledge-Based Syst.*, vol. 14, no. 4, pp. 445–459, 2006.
- [10] C.-L. Hwang and K. Yoon, *Multiple Attribute Decision Making*, vol. 186. Berlin, Heidelberg: Springer Berlin Heidelberg, 1981.
- [11] X. Hua and J. Tan, "Revised TOPSIS Method Based on Vertical Projection Distance-Vertical Projection Method," *Syst. Eng. Pract.*, vol. 1, pp. 114–119, 2004.

- [12] M. Ahsan, P. B. Santoso, and S. Dachlan, "Multiple Intelligence Menentukan Jurusan di SMA Menggunakan Teknik Multi-Attribute Decision Making," *EECCIS*, vol. 9, no. 1, pp. 25–31, 2015.
- [13] T. Prawira and D. Kusuma, "Sistem Pendukung Keputusan Berbasis Web untuk Menentukan Penjurusan ( IPA / IPS / Bahasa ) pada SMA Islam Bumiayu," *JUITA*, vol. I, pp. 177–189, 2011.
- [14] R. Dewi and P. S. Sony, "Optimasi Multirespon Surface pada Sifat Fisik dan Mekanik Tablet Obat dengan Metode AHP-Fuzzy TOPSIS," *Sains Dan Seni ITS*, vol. 4, no. 1, pp. 85–90, 2015.
- [15] R. I. Perwira and H. Sofyan, "Aplikasi Pemilihan Operator Sumur Produksi Menggunakan Fuzzy AHP dan Fuzzy TOPSIS di PT Geotama Energi," *Telematika*, vol. 12, no. 01, pp. 1–10, 2015.
- [16] X. Yu, S. Guo, J. Guo, and X. Huang, "Expert Systems with Applications Rank B2C e-commerce websites in e-alliance based on AHP and fuzzy TOPSIS," *Expert Syst. Appl.*, vol. 38, no. 4, pp. 3550–3557, 2011.
- [17] M. Salehi, "Project Selection by Using a Fuzzy TOPSIS Technique," vol. 2, no. 4, pp. 310–315, 2008.
- [18] Y.-J. Wang and C.-S. Kao, "Evaluating the Operation Performance of Airport by FMCDM," *2008 Fifth Int. Conf. Fuzzy Syst. Knowl. Discov.*, pp. 541–545, 2008.
- [19] S. Uyun and I. Riadi, "A Fuzzy Topsis Multiple-Attribute Decision Making for Scholarship Selection," *Evaluation*, vol. 9, no. 1, pp. 37–46, 2011.
- [20] S. Lestari and W. Priyodiprodjo, "Implementasi Metode Fuzzy TOPSIS untuk Seleksi Penerimaan Karyawan," *Ijccs*, vol. 5, no. 2, pp. 20–26, 2011.
- [21] Y. H. Y. Hu, S. W. S. Wu, and L. Cai, "Fuzzy Multi-criteria Decision-making TOPSIS for Distribution Center Location Selection," *2009 Int. Conf. Networks Secur. Wirel. Commun. Trust. Comput.*, vol. 2, 2009.
- [22] I. Pakasi, "SPK Penentuan Debitur Yang Memiliki Tunggakan Kredit Menggunakan Metode AHP-TOPSIS (Studi Kasus: BPR Irian Sentosa Cabang Tim)," Universitas Gadjah Mada, Yogyakarta, 2014.
- [23] Sukerti, "Sistem pendukung keputusan penentuan desa penerima bantuan program community based development (CBD)-Bali Sejahtera menggunakan metode TOPSIS (Studi kasus di Kabupaten Klungkung Bali)," Universitas Gadjah Mada, Yogyakarta, 2010.

- [24] Q. Xu, Y. B. Zhang, J. Zhang, and X. G. Lv, "Improved TOPSIS Model and its Application in the Evaluation of NCAA Basketball Coaches," *Mod. Appl. Sci.*, vol. 9, no. 2, pp. 259–268, 2015.
- [25] D. Pratiwi, "Decision Support System to Majoring High School Student Using Simple Additive Weighting Method," *Int. J. Comput. Trends Technol.*, vol. 10, no. 3, pp. 153–159, 2014.
- [26] B. W. Sari, "Prbandingan Metode Profile Matching Dan Simple Additive Weighting Pada Penentuan Jurusan Siswa Kelas X SMAN 2 Ngaglik," *Ilm. DASI*, vol. 16, no. 1, 2015.
- [27] V. M. Athawale, "A TOPSIS Method-based Approach to Machine Tool Selection," pp. 65–70, 2010.
- [28] S. U. Dhuto, "Usulan Pemilihan Supplier Bahan Baku dengan Penggabungan Metode TOPSIS dan AHP," Thesis,, ITS, Surabaya, 2005.
- [29] M. Azmi, "Pemanfaatan Sistem Pendukung Keputusan Untuk Penentuan Alokasi Dana Kegiatan (Studi Kasus Unit Kegiatan Mahasiswa Politeknik Negeri Padang)," *J. Momentum*, vol. 16, no. 1, pp. 75–83, 2014.
- [30] D. Chunhua and H. Mechanical, "Innovation Capacity Appraisal of Junior College Engineering Students Based on AHP-TOPSIS 1 2," pp. 85–88, 2011.
- [31] E. Turban, J. E. Aronson, and T.-P. Liang, *Decision Support Systems and Intelligent Systems (7th Edition)*. Prentice-Hall, Inc., 2004.
- [32] E. Turban and J. E. Aronson, *Decision Support Systems and Intelligent Systems*. Pearson/Prentice Hall, 2005.
- [33] M. Kusriani, "Kom. Konsep dan Aplikasi Sistem Pendukung Keputusan," *Penerbit ANDI, Yogyakarta, Ed.*, vol. 1, 2007.
- [34] C.-H. Yeh, "A Problem- based Selection of Multi- attribute Decision- making Methods," *Int. Trans. Oper. Res.*, vol. 9, no. 2, pp. 169–181, 2002.
- [35] T. L. Saaty, "How to make a decision: The analytic hierarchy process," *Eur. J. Oper. Res.*, vol. 48, no. 1, pp. 9–26, Sep. 1990.
- [36] Juliyanti and M. I. Irawan, "Pemilihan Guru Berprestasi Menggunakan Metode AHP Dan TOPSIS," pp. 63–68, 2011.

- [37] G. H. Hwang, L. S. Wei, K. B. Ching, N. S. Lin, H. H. Goh, S. W. Lee, B. C. Kok, S. L. Ng, and Graduan, "Wind farm allocation in Malaysia based on multi-criteria decision making method," *Natl. Postgrad. Conf.*, pp. 1–6, 2011.
- [38] G. Kim, C. S. Park, and K. P. Yoon, "Identifying investment opportunities for advanced manufacturing systems with comparative-integrated performance measurement," *Int. J. Prod. Econ.*, vol. 50, no. 1, pp. 23–33, May 1997.
- [39] T. C. Wang, H. D. Lee, and M. C. S. Chang, "A fuzzy TOPSIS approach with entropy measure for decision-making problem," *IEEM 2007 2007 IEEE Int. Conf. Ind. Eng. Eng. Manag.*, pp. 124–128, 2007.
- [40] M. Simes-marques and R. A. Ribeiro, "A Fuzzy Decision Support System for Equipment Repair under Battle Conditions A Fuzzy Decision Support System for Equipment Repair Under Battle Conditions," 1998.
- [41] A. G. Tettamanzi and M. Tomassini, *Soft computing: integrating evolutionary, neural, and fuzzy systems*. Springer Science & Business Media, 2013.
- [42] Ermidawati, "Perkembangan Pendidikan Kejuruan Di Kota Medan," pp. 135–142, 2014.
- [43] S. Arikunto, *Prosedur Penelitian Suatu Pendekatan Praktek*. Jakarta: Rineka Cipta, 2006.
- [44] *Buku Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung: Alfabeta, 2011.
- [45] *Metode Penelitian Sosial*. Bandung: PT.Remaja Rosdakarya, 2004.
- [46] C. Narbuko, *Metodologi Penelitian*. Jakarta: Bumi Aksara, 2003.
- [47] I. Bagoes Mantra, *Filsafat Penelitian dan Metode Penelitian Sosial*. Yogyakarta: Pustaka Pelajar, 2004.
- [48] S. Hadi, *Metodologi Research*, 3rd ed. Yogyakarta: Andi Offset, 1981.
- [49] I. Sommerville, *Software Engineering (Rekayasa Perangkat Lunak)*, Edisi 6. Jakarta: Erlangga, 2003.
- [50] E. Turban, *Decision Support and Expert Systems: Management Support Systems*, 4th edition edition. Prentice Hall, 1995.