

## DAFTAR PUSTAKA

- [1] M. Abdullah, T. Zulfikar, dan S. I. Shadiqin, "Manajemen data akademik perguruan tinggi keagamaan Islam swasta (studi literature review)," *An-Nadzir J. Manaj. Pendidik. Islam*, vol. 2, no. 1, pp. 48–59, May 2024, doi: 10.55799/annadzir.v2i01.356.
- [2] F. Hikmawati dan Julianto, "Manfaat sistem informasi akademik (SIAKAD) dalam perguruan tinggi," *J. Ilm. Rekayasa dan Manaj. Sist. Inf.*, vol. 9, no. 1, pp. 45–51, Feb. 2023. [Online]. Tersedia: [https://www.researchgate.net/publication/372852140\\_MANFAAT\\_SISTEM\\_INFORMASI\\_AKADEMIK\\_SIAKAD\\_DALAM\\_PERGURUAN\\_TINGGI](https://www.researchgate.net/publication/372852140_MANFAAT_SISTEM_INFORMASI_AKADEMIK_SIAKAD_DALAM_PERGURUAN_TINGGI)
- [3] M. Musarwan dan I. Warsah, "Evaluasi pembelajaran (konsep, fungsi dan tujuan) sebuah tinjauan teoritis," *J. Kajian Pendidik. Islam*, pp. 186–199, Aug. 2022, doi: 10.58561/jkpi.v1i2.35.
- [4] Kemdiktisaintek, "Panduan penyusunan kurikulum pendidikan tinggi mendukung Merdeka Belajar-Kampus Merdeka menuju Indonesia Emas," *Kementerian Pendidikan Tinggi, Sains, dan Teknologi Republik Indonesia*, Nov. 8, 2024. [Online]. Tersedia: <https://kemdiktisaintek.go.id/epustaka/panduan-penyusunan-kurikulum-pendidikan-tinggi-mendukung-merdeka-belajar-kampus-merdeka-menuju-indonesia-emas/>
- [5] Q. Yang, M. Ge, dan M. Helfert, "Analysis of data warehouse architectures: Modeling and classification," dalam *Proc. 21st Int. Conf. Enterprise Inf. Syst. (ICEIS)*, 2019, pp. 604–611, doi: 10.5220/0007728006040611.
- [6] E. Miranda, "Pengembangan business intelligence bagi perkembangan bisnis perusahaan," *CommIT J.*, vol. 2, no. 2, p. 111, Oct. 2008, doi: 10.21512/commit.v2i2.501.
- [7] F. Suprijandoko, B. Siber, dan S. Negara, "Building data marts in teaching management: A case study," *PUPIL: Int. J. Teach. Educ. Learn.*, vol. 6, pp. 1–14, 2022, doi: 10.20319/ pijtel.2022.63.0114.
- [8] R. Kimball dan M. Ross, *The Data Warehouse Toolkit: The Definitive Guide to Dimensional Modeling*. Wiley, 2013.
- [9] E. Wijaya, T. Wurijanto, dan J. Lemantara, "Rancang bangun online analytical processing (OLAP) untuk penyajian data akademik STIKOM Surabaya," *J. Sist. Inf. dan Komput. Akuntansi*, vol. 3, no. 1, pp. 102–108, 2016. [Online]. Tersedia:

<https://media.neliti.com/media/publications/243976-rancang-bangun-online-analytical-process-efb55b3a.pdf>

- [10] A. K. Hamoud, M. A. Ulkareem, H. N. Hussain, Z. A. Mohammed, dan G. M. Salih, "Improve HR decision-making based on data mart and OLAP," dalam *J. Phys.: Conf. Ser.*, vol. 1530, no. 1, May 2020, doi: 10.1088/1742-6596/1530/1/012058.
- [11] S. Sunjaya, A. Filiana, L. Ernawati, dan G. Virginia, "Development of financial data mart for nonprofit organization," *J. Tek. Inf. dan Sist. Inf.*, vol. 10, no. 2, Aug. 2024, doi: 10.28932/jutisi.v10i2.7515.
- [12] I. Zaelani, "Implementasi data mart terhadap sistem penjualan pada perusahaan bidang distributor di PT. Eigen Trimathema," *J. Penelit. Mahasiswa Tek. dan Ilmu Komput. (JUPITER)*, vol. 1, no. 2, pp. 95–103, Nov. 2021, doi: 10.34010/jupiter.v1i2.7309.
- [13] H. Maryanto, B. P. D. Putranto, R. Kartadie, M. Guntara, dan R. Saptoto, "Analysis and design of data warehouse and data mart budget," *J. Intell. Softw. Syst.*, vol. 2, no. 1, p. 6, Jul. 2023, doi: 10.26798/jiss.v2i1.927.
- [14] T. M. Salsabila, A. Caroline, A. H. Marcydiaz, D. Trisnawarman, dan J. T. Beng, "Perancangan data mart untuk manajemen data penjualan pada Kedai Kopi X di Jakarta," *INTECOMS: J. Inf. Technol. dan Komput. Sci.*, vol. 7, no. 6, pp. 1872–1880, Nov. 2024, doi: 10.31539/intecoms.v7i6.12875.
- [15] L. B. Amertha, R. S. Hartati, dan M. Sudarma, "The data warehouse design for the Bank X with Inmon approach," *Int. J. Eng. Emerg. Technol.*, vol. 5, no. 2, pp. 19–23, 2020, doi: 10.24843/IJEET.2020.v05.i02.p04.
- [16] A. K. Hamoud, M. K. Hussein, Z. Alhilfi, dan R. H. Sabr, "Implementing data-driven decision support system based on independent educational data mart," *Int. J. Electr. Comput. Eng.*, vol. 11, no. 6, pp. 5301–5314, Dec. 2021, doi: 10.11591/ijece.v11i6.pp5301-5314.
- [17] H. Putra dan B. Aulia, "Penerapan data warehouse dan dashboard berbasis Kimball nine-step untuk meningkatkan kualitas informasi dan pengambilan keputusan," *JSI: J. Sist. Inf.*, vol. 15, no. 1, 2023. [Online]. Tersedia: <http://ejournal.unsri.ac.id/index.php/jsi/index>
- [18] J. A. Mok dan D. Trisnawarman, "Perancangan data mart penjualan pada PT. XYZ," *INTECOMS: J. Inf. Technol. dan Komput. Sci.*, vol. 7, no. 6, 2024.
- [19] I. A. Najm et al., "OLAP mining with educational data mart to predict students' performance," *Informatica*, vol. 46, no. 5, Mar. 2022, doi: 10.31449/inf.v46i5.3853.

- [20] A. C. Torres, L. S. Peña, M. V. Manrique, A. Q. Gastelu, dan J. J. Soria, "Data mart in business intelligence with Ralph Kimball for commercial sales," 2024, doi: 10.1007/978-3-031-53552-9\_34.
- [21] A. K. Hamoud, M. K. Hussein, Z. Alhilfi, dan R. H. Sabr, "Implementing data-driven decision support system based on independent educational data mart," *International Journal of Electrical and Computer Engineering*, vol. 11, no. 6, hlm. 5301–5314, Des 2021, doi: 10.11591/ijece.v11i6.pp5301-5314.
- [22] A. K. Hamoud, M. K. Hussein, Z. Alhilfi, dan R. H. Sabr, "Implementing data-driven decision support system based on independent educational data mart," *International Journal of Electrical and Computer Engineering*, vol. 11, no. 6, hlm. 5301–5314, Des 2021, doi: 10.11591/ijece.v11i6.pp5301-5314.
- [23] G. M. F. Ahmed, M. S. Islam, dan M. M. R. Karim, "Comparison between Inmon and Kimball methodology for the purpose of designing, constructing and testing of a commercial BIDW project," *Int. J. Comput. Graph.*, vol. 8, no. 1, pp. 11–20, May 2017, doi: 10.14257/ijcg.2017.8.1.02.
- [24] W. Suharso, A. Fardiansa, Y. Munarko, dan H. Wibowo, "Implementasi star schema pada studi kasus perpustakaan berskala universitas," *SINTECH (Sci. Inf. Technol.) J.*, vol. 4, no. 1, pp. 1–11, Apr. 2021, doi: 10.31598/sintechjournal.v4i1.446.
- [25] J. P. Bharadiya, "A comparative study of business intelligence and artificial intelligence with big data analytics," *Am. J. Artif. Intell.*, Jun. 2023, doi: 10.11648/j.ajai.20230701.14.
- [26] P. Muryjas, M. Wawer, dan M. Rzemieniak, "Managing the process of evaluation of the academic teachers with the use of data mart and business intelligence," *Eur. Res. Stud.*, vol. 24, no. Special 1 - Part 2, pp. 127–140, Jun. 2021, doi: 10.35808/ersj/2196.
- [27] W. Boulila, M. Al-kmali, M. Farid, dan H. Mugahed, "A business intelligence based solution to support academic affairs: case of Taibah University," *Wireless Netw.*, vol. 29, no. 3, pp. 1051–1058, Apr. 2023, doi: 10.1007/s11276-018-1880-3.
- [28] Barakat O., El Beqqali O., Ouksel A., dan Chakir L., "Hybrid e-Government Framework based on Datawarehousing and MAS for Data Interoperability," *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol. 12, no. 10, 2021.doi: <http://dx.doi.org/10.14569/IJACSA.2021.0121008>
- [29] E. Chang, W. Rahayu, M. Diallo, dan M. Machizaud, "Dynamic data mart for business intelligence," dalam *IFIP Advances in Information and*

*Communication Technology*, Springer New York LLC, 2015, hlm. 50–63.  
doi: 10.1007/978-3-319-25261-2\_5.

- [30] D. Krneta, D. Radosav, dan B. Radulovic, “Realization business intelligence in commerce using Microsoft Business Intelligence,” *2008 6th International Symposium on Intelligent Systems and Informatics*, Subotica, Serbia, 2008, hlm. 1-6, doi: 10.1109/SISY.2008.4664943.
- [31] R. Chhabra dan P. Pahwa, “Data Mart Designing and Integration Approaches,” *International Journal of Computer Science and Mobile Computing*, vol. 3, hlm. 74–79, 2014, doi: 10.13140/RG.2.2.31651.87843.
- [32] A. Sunarya, I. J. Dewanto, dan S. D. Tiwa, “Implementasi Data Mart Penjualan pada PT. Sinkhokki,” *INFOMATEK*, vol. 20, no. 2, p. 79, Nov. 2018, doi: <https://doi.org/10.23969/infomatek.v20i2.1208>.
- [33] R. Kimball dan J. Caserta, *The Data Warehouse ETL Toolkit: Practical Techniques for Extracting, Cleaning, Conforming, and Delivering Data*. Indianapolis, IN: Wiley, 2004.
- [34] P. Ponniah, *Data Warehousing Fundamentals for IT Professionals*. Hoboken, NJ: Wiley, 2013.
- [35] A. Nambiar dan D. Mundra, “An Overview of Data Warehouse and Data Lake in Modern Enterprise Data Management,” *BDCC*, 1 Desember 2022, MDPI, doi: 10.3390/bdcc6040132.
- [36] F. Prasser, H. Spengler, R. Bild, J. Eicher, dan K. A. Kuhn, “Privacy-enhancing ETL-processes for biomedical data,” *International Journal of Medical Informatics*, vol. 126, hlm. 72–81, Jun 2019, doi: 10.1016/j.ijmedinf.2019.03.006.
- [37] I. S. Akbar dan T. Haryanti, “Pengembangan Entity Relationship Diagram Database Toko Online Ira Surabaya,” *Computing Insight: Journal of Computer Science*, vol. 3, no. 2, hlm. 28–35, Jul. 2023, doi: [https://doi.org/10.30651/comp\\_insight.v3i2.12002](https://doi.org/10.30651/comp_insight.v3i2.12002)
- [38] I.Y. Song, E. K. Park, M. Evans, dan U. E. K. Park, “A Comparative Analysis of Entity-Relationship Diagrams,” 1995. [Online]. Tersedia: <https://www.researchgate.net/publication/243781001>
- [39] K . Afifah, Z. F. Azzahra, dan A. D. Anggoro, “Analisis Teknik Entity-Relationship Diagram dalam Perancangan Database: Sebuah Literature Review,” *INTECH*, vol. 3, no. 2, hlm. 18–22, Nov. 2022, doi: <https://doi.org/10.54895/intech.v3i2.1682>.
- [40] N. Sanprasit, T. Titijaroonroj, dan K. Kesorn, “A semantic approach to automated design and construction of star schemas,” *Engineering and*

*Applied Science Research*, vol. 48, no. 5, hlm. 518–528, Jul 2021, doi: 10.14456/easr.2021.54.

- [41] S. B., T. M., dan A. A., “Automated ETL Testing on the Data Quality of a Data Warehouse,” *International Journal of Computer Applications*, vol. 131, no. 16, hlm. 9–16, Dec. 2015, doi: <https://doi.org/10.5120/ijca2015907590>
- [42] P.-Y. Yen dan S. Bakken, “A comparison of usability evaluation methods: heuristic evaluation versus end-user think-aloud protocol – an example from a web-based communication tool for nurse scheduling,” *PubMed*, Nov. 2009
- [43] A. H. Jørgensen, “Thinking-aloud in user interface design: A method promoting cognitive ergonomics,” *Ergonomics*, vol. 33, no. 4, hlm. 501–507, 1990, doi: 10.1080/00140139008927157.
- [44] A. Holzinger, “Usability engineering methods for software developers,” *Communications of the ACM*, vol. 48, no. 1, hlm. 71–74, Jan. 2005, doi: <https://doi.org/10.1145/1039539.1039541>.
- [45] R. Kimball dan M. Ross, *The Kimball Group Reader*. John Wiley & Sons, 2010.
- [46] M. Seidl, M. Scholz, C. Huemer, dan G. Kappel, “The Activity Diagram,” *UML @ Classroom*, hlm. 141–166, 2015, doi: [https://doi.org/10.1007/978-3-319-12742-2\\_7](https://doi.org/10.1007/978-3-319-12742-2_7).
- [47] M. Brady dan J. Loonam, “Exploring the use of entity-relationship diagramming as a technique to support grounded theory inquiry,” *Qualitative Research in Organizations and Management: An International Journal*, vol. 5, no. 3, hlm. 224–237, Nov. 2010, doi: 10.1108/17465641011089854.
- [48] H. Marcydiaz, Febby Nurul Fitriya, A. S. Hutagaol, Dedi Trisnawarman, and J. T. Beng, “Perancangan Datamart Nilai Akademik Siswa Pada SMA Z Bekasi,” *INTECOMS Journal of Information Technology and Computer Science*, vol. 7, no. 6, pp. 2040–2047, Nov. 2024, doi: <https://doi.org/10.31539/intecoms.v7i6.12916>.
- [49] D. J. Power and R. Sharda, “Business Intelligence and Analytics,” Wiley Encyclopedia of Management, pp. 1–4, Jan. 2015, doi: <https://doi.org/10.1002/9781118785317.weom070011>.
- [50] “What is a Data Mart? - Data Mart Explained - AWS,” Amazon Web Services, Inc., 2022. <https://aws.amazon.com/what-is/data-mart>

- [51] R. Chhabra and P. Pahwa, “Data Mart Designing and Integration Approaches,” ResearchGate, Apr. 2014, doi: <https://doi.org/10.13140/RG.2.2.31651.87843>.



UMN  
UNIVERSITAS  
MULTIMEDIA  
NUSANTARA