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DAFTAR PUSTAKA

Agustina, S.A. dan Rahmadhena, M.P. (2020) "Analisis Determinan Masalah Gizi Balita," *Jurnal Kesehatan*, 11(1), hlm. 8. Tersedia pada: https://doi.org/10.35730/jk.v11i1.466.

Aljohani, A. (2024) "Optimizing Patient Stratification in Healthcare: A Comparative Analysis of Clustering Algorithms for EHR Data," *International Journal of Computational Intelligence Systems*, 17(1). Tersedia pada: https://doi.org/10.1007/s44196-024-00568-8.

Anfossi, A. dan Chicco, D. (2026) "An Easy Guide to the Davies-Bouldin Index for Unsupervised Internal Clustering Evaluation," *Discover Computing*, 29(1), hlm. 212. Tersedia pada: https://doi.org/10.1007/s10791-026-10094-0.

Bach, B. *dkk.* (2022) "Dashboard Design Patterns," *IEEE Transactions on Visualization and Computer Graphics*, hlm. 1–11. Tersedia pada: https://doi.org/10.1109/TVCG.2022.3209448.

Baguune, B. *dkk*. (2023) "Utilization of Growth Monitoring and Promotion Services and Undernutrition of Children Less than Two Years of Age in Northern Ghana," *BMC Nutrition*, 9(1). Tersedia pada: https://doi.org/10.1186/s40795-023-00729-6.

Bitew, F.H., Sparks, C.S. dan Nyarko, S.H. (2022) "Machine Learning Algorithms for Predicting Undernutrition Among Under-Five Children in Ethiopia," *Public Health Nutrition*, 25(2), hlm. 269–280. Tersedia pada: https://doi.org/10.1017/S1368980021004262.

Boyko, N.I. dan Tkachyk, O.A. (2023) "Hierarchical Clustering Algorithm for Dendrogram Construction and Cluster Counting," *Informatics and Mathematical Methods in Simulation*, 13(1–2), hlm. 5–15. Tersedia pada: https://doi.org/10.15276/imms.v13.no1-2.5.

Cabezas, L.M.C., Izbicki, R. dan Stern, R.B. (2023) "Hierarchical Clustering: Visualization, Feature Importance and Model Selection," *Applied Soft Computing*, 141, hlm. 110303. Tersedia pada: https://doi.org/10.1016/j.asoc.2023.110303.

Ceder, N.R. (2018) *The Quick Python Book*. 3rd ed. Manning.

Chaudhry, M. *dkk.* (2023) "A Systematic Literature Review on Identifying Patterns Using Unsupervised Clustering Algorithms: A Data Mining Perspective," *Symmetry*, 15(9), hlm. 1679. Tersedia pada: https://doi.org/10.3390/sym15091679.

Chicco, D. *dkk.* (2025) "The Silhouette Coefficient and the Davies-Bouldin Index are More Informative than Dunn index, Calinski-Harabasz Index, Shannon Entropy, and Gap Statistic for Unsupervised Clustering Internal Evaluation of Two Convex Clusters," *PeerJ Computer Science*, 11, hlm. e3309. Tersedia pada: https://doi.org/10.7717/peerj-cs.3309.

Dinas Kesehatan DIY (2025) *Profil Kesehatan DIY Tahun 2024*. Tersedia pada: https://www.who.int/health-topics/malnutrition#tab=tab_1 (Diakses: 25 Januari 2026).

UNIVERSITAS
GADJAH MADA
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Dinkes Kulon Progo (2021) *Profil Kesehatan Kabupaten Kulon Progo Data Tahun 2020*.

Dinkes Kulon Progo (2022) *Profil Kesehatan Kabupaten Kulon Progo Data Tahun 2021*.

Dinkes Kulon Progo (2023) *Profil Kesehatan Kabupaten Kulon Progo Data Tahun 2022*.

Dinkes Kulon Progo (2024) *Profil Kesehatan Kabupaten Kulon Progo Data Tahun 2023*.

Dinkes Kulon Progo (2025) *Profil Kesehatan Kabupaten Kulon Progo Data Tahun 2024*.

Dinkes Kulon Progo (2026) *Indikator Kinerja Gizi Masyarakat*.

DPTR Kulon Progo (2023) *Data Peta Tematik*, *Dinas Pertanahan dan Tata Ruang Kabupaten Kulon Progo*. Tersedia pada: https://simtaruku.kulonprogokab.go.id/tematik (Diakses: 28 Januari 2026).

van Elten, H.J. *dkk.* (2022) "Big Data Health Care Innovations: Performance Dashboarding as a Process of Collective Sensemaking," *Journal of Medical Internet Research*, 24(2), hlm. e30201. Tersedia pada: https://doi.org/10.2196/30201.

Fianty, M.I. *dkk.* (2023) "Application of Clustering-Based Data Mining for the Assessment of Nutritional Status in Toddlers at Community Health Centers," *Journal of Information Systems and Informatics*, 5(4), hlm. 1350–1362. Tersedia pada: https://doi.org/10.51519/journalisi.v5i4.586.

Gan, G., Ma, C. dan Wu, J. (2020) *Data Clustering: Theory, Algorithms, and Applications*. 2nd ed. SIAM.

Gere, A. (2023) "Recommendations for Validating Hierarchical Clustering in Consumer Sensory Projects," *Current Research in Food Science*, 6, hlm. 100522. Tersedia pada: https://doi.org/10.1016/j.crfs.2023.100522.

Google (2026a) *Cara Menggunakan Google Spreadsheet*, *Google*. Tersedia pada: https://support.google.com/docs/answer/6000292?hl=id&co=GENIE.Platform%3DAndroid&oco=1 (Diakses: 24 April 2026).

Google (2026b) *Looker Studio*, *Google*. Tersedia pada: https://docs.cloud.google.com/looker/docs/studio (Diakses: 28 Januari 2026).

Google Colab (2026) *Selamat Datang di Colab*, *Google*. Tersedia pada: https://colab.research.google.com/ (Diakses: 24 April 2026).

Han, J., Pei, J. dan Tong, H. (2022) *Data Mining: Concepts and Techniques*. Morgan Kaufmann Publishers.

Handayani, C.T.N. dan Sitokdana, M.N.N. (2025) "Comparison of K-Means++ and Agglomerative Hierarchical Methods in Clustering Healthcare Workers," *INOVTEK POLBENG - SERI INFORMATIKA*, 10(2).

Hidayat, T., Jajuli, M. dan Susilawati (2023) "Clustering Daerah Rawan *Stunting* di Jawa Barat Menggunakan Algoritma K-Means," *INFOTECH : Jurnal Informatika & Teknologi*, 4(2), hlm. 137–146. Tersedia pada: https://doi.org/10.37373/infotech.v4i2.642.

UNIVERSITAS
GADJAH MADA
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Kemenkes RI (2020) *Keputusan Menteri Kesehatan Republik Indonesia Nomor : HK.01.07/MENKES/312/2020 tentang Standar Profesi Perekam Medis dan Informasi Kesehatan* . Jakarta.

Kemenkes RI (2026) *Stunting*, *Kementerian Kesehatan Republik Indonesia*. Tersedia pada: https://ayosehat.kemkes.go.id/topik-penyakit/defisiensi-nutrisi/*stunting* (Diakses: 15 Maret 2026).

Kementerian Kesehatan Republik Indonesia (2020) *Peraturan Menteri Kesehatan Republik Indonesia Nomor 2 Tahun 2020 tentang Standar Antropometri Anak*. Indonesia: Kementerian Kesehatan Republik Indonesia.

Kementerian Kesehatan Republik Indonesia (2024) *Survei Status Gizi Indonesia 2024*. Jakarta.

Kementerian Kesehatan RI (2014) *Kesehatan Bayi Baru Lahir Sampai Dua Tahun*, *Kementerian Kesehatan Republik Indonesia*. Tersedia pada: https://ayosehat.kemkes.go.id/?p=1526 (Diakses: 15 Maret 2026).

Kementerian Kesehatan RI (2024) *Peraturan Menteri Kesehatan Republik Indonesia Nomor 19 Tahun 2024 tentang Penyelenggaraan Pusat Kesehatan Masyarakat*. Jakarta.

Luo, C. (2016) "Association Rule Mining Algorithm and College Wushu Teaching Reform Based on Multimedia Technology," *International Journal of Database Theory and Application*, 9(11), hlm. 185–194. Tersedia pada: https://doi.org/10.14257/ijdta.2016.9.11.17.

Macías, J.A. dan Borges, C.R. (2024) "Monitoring and Forecasting Usability Indicators: A Business Intelligence Approach for Leveraging User-Centered Evaluation Data," *Science of Computer Programming*, 234, hlm. 103077. Tersedia pada: https://doi.org/10.1016/j.scico.2023.103077.

Mengesha, H.G. *dkk.* (2020) "Modeling the Predictors of Stunting in Ethiopia: Analysis of 2016 Ethiopian Demographic Health Survey Data (EDHS)," *BMC Nutrition*, 6(1). Tersedia pada: https://doi.org/10.1186/s40795-020-00378-z.

Miyamoto, S. (2022) Theory of Agglomerative Hierarchical Clustering. Singapore: *Springer Singapore*. Tersedia pada: https://doi.org/10.1007/978-981-19-0420-2.

Niaksu, O. (2015) "CRISP Data Mining Methodology Extension for Medical Domain," *Baltic J. Modern Computing*, 3(2), hlm. 92–109.

Nowak-Brzezińska, A. dan Gaibei, I. (2022) "How the Outliers Influence the Quality of Clustering?," *Entropy*, 24(7), hlm. 917. Tersedia pada: https://doi.org/10.3390/e24070917.

Pemerintah Kabupaten Kulon Progo (2025) *Gambaran Umum Kabupaten Kulon Progo*, *Pemerintah Kabupaten Kulon Progo*. Tersedia pada: https://pemkab.kulonprogokab.go.id/publikasi/detail/gambaran-umum-pemerintah-kabupaten-kulon-progo (Diakses: 28 Januari 2026).

UNIVERSITAS
GADJAH MADA
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Hasna' Shofiyyah, Dr. Nur Rokhman, S.Si., M.Kom.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Pinzon, R.T. dan Edi, D.W.R. (2021) *Metodologi Penelitian Kesehatan*. I. Disunting oleh D. Prabantini. Yogyakarta: Penerbit ANDI.

Plotnikova, V., Dumas, M. dan Milani, F. (2020) "Adaptations of Data Mining Methodologies: a Systematic Literature Review," *PeerJ Computer Science*, 6, hlm. e267. Tersedia pada: https://doi.org/10.7717/peerj-cs.267.

Pruengkarn, R., Wong, K.W. dan Fung, C.C. (2017) "A Review of Data Mining Techniques and Applications," *Journal of Advanced Computational Intelligence and Intelligent Informatics*, 21(1), hlm. 31–48. Tersedia pada: https://doi.org/10.20965/jaciii.2017.p0031.

Ramadhan, V.P. *dkk.* (2025) "Analisis Cluster untuk Pemetaan Status Gizi Balita Puskesmas Lowokwaru berdasarkan Antropometri," *Jurnal JTIK (Jurnal Teknologi Informasi dan Komunikasi)*, 9(2), hlm. 436–443.

Republik Indonesia (2021) *Peraturan Presiden Republik Indonesia Nomor 72 Tahun 2021 tentang Percepatan Penurunan Stunting*. Jakarta.

Rosfiantini, M., Fatmaningrum, W. dan Ningtyas, W.S. (2024) "Hubungan Inisiasi Menyusu Dini Terhadap Pemberian ASI Eksklusif," *Jurnal Ilmiah Universitas Batanghari Jambi*, 24(2), hlm. 1002. Tersedia pada: https://doi.org/10.33087/jiubj.v24i2.4885.

Roslina dan Zahrotunnisa, E.N. (2024) "Hubungan Inisiasi Menyusu Dini (IMD) dan ASI Eksklusif dengan Kejadian Stunting," *Jurnal Obstretika Scienta*, 12(1), hlm. 237–246. Tersedia pada: https://doi.org/10.55171/obs.v12i1.1331.

Rossi, F.S. *dkk.* (2025) "From Glitter to Gold: Recommendations for Effective Dashboards from Design through Sustainment," *Implementation Science*, 20(1), hlm. 16. Tersedia pada: https://doi.org/10.1186/s13012-025-01430-x.

Roza, Y.B., Defit, S. dan Arlis, S. (2025) "Analisis Cluster Algoritma K-Means untuk Pengelompokan Kondisi Gizi Balita pada Posyandu," *Bulletin of Computer Science Research*, 5(5), hlm. 1182–1187. Tersedia pada: https://doi.org/10.47065/bulletincsr.v5i5.752.

Sakti, E.S., Makful, M.R. dan Dewi, R. (2023) "Analisis Spasial Prioritas Penanganan Stunting di Provinsi Aceh Tahun 2021," *Jurnal Mutiara Kesehatan Masyarakat*, 8(1), hlm. 10–23. Tersedia pada: https://doi.org/10.51544/jmkm.v8i1.3856.

Saxena, A. *dkk.* (2017) "A Review of Clustering Techniques and Developments," *Neurocomputing*, 267, hlm. 664–681. Tersedia pada: https://doi.org/10.1016/j.neucom.2017.06.053.

Schulze, A. *dkk.* (2023) "Digital Dashboards Visualizing Public Health Data: A Systematic Review," *Frontiers in Public Health*, 11. Tersedia pada: https://doi.org/10.3389/fpubh.2023.999958.

Scikit Learn (2026) *2.3. Clustering*, *Scikit Learn*. Tersedia pada: https://scikit-learn.org/stable/modules/clustering.html (Diakses: 13 April 2026).

UNIVERSITAS
GADJAH MADA
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Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

Shirzad, E., Ataei, G. dan Saadatfar, H. (2021) "Applications of Data Mining in Healthcare Area: A Survey," *Engineering and Applied Science Research*, 48(3), hlm. 314–323. Tersedia pada: https://doi.org/10.14456/easr.2021.34.

Sugiyono (2023) *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. 2 ed. Disunting oleh Sutopo. Bandung: Penerbit Alfabeta Bandung.

Susanto, D., Aklani, S.A. dan Siahaan, M. (2026) "Analysis of Tableau Dashboard Visualization for Efficiency and Accuracy in Industrial Decision Making," *Jurnal Teknologi Informatika dan Komputer*, 12(1), hlm. 54–72. Tersedia pada: https://doi.org/10.37012/jtik.v12i1.3223.

Syalom, C., Khaira, U. dan Arsa, D. (2025) "Clustering Daerah Rawan Stunting di Indonesia Menggunakan Algoritma K-means," *Djtechno: Jurnal Teknologi Informasi*, 6(1), hlm. 389–401. Tersedia pada: https://doi.org/10.46576/djtechno.v6i1.6223.

Vanegas, C.E.D. *dkk.* (2023) "A Representation Based on Essence for the CRISP-DM Methodology," *Computación y Sistemas*, 27(3). Tersedia pada: https://doi.org/10.13053/cys-27-3-3446.

Veri, N. *dkk.* (2025) "Tiga Beban Malnutrisi dan Dampaknya terhadap Kesehatan Anak: Tinjauan Gizi dalam Perspektif Kebidanan," *Femina: Jurnal Ilmiah Kebidanan*, 5(1). Tersedia pada: https://doi.org/https://doi.org/10.30867/femina.v5i1.830.

Wexler, S., Shaffer, J. dan Cotgreave, A. (2017) *The Big Book of Dashboards*. Wiley.

WHO (2015) *Stunting in a Nutshell*, *World Health Organization*. Tersedia pada: https://www.who.int/news/item/19-11-2015-*stunting*-in-a-nutshell (Diakses: 15 Maret 2026).

Winiarti, S., Yuliansyah, H. dan Purnama, A.A. (2018) "Identification of Toddlers' Nutritional Status using Data Mining Approach," *IJACSA) International Journal of Advanced Computer Science and Applications*, 9(1), hlm. 164–169. Tersedia pada: www.ijacsa.thesai.org.

World Health Organization (2017) *Guideline: Assessing and Managing Children at Primary Health-Care Facilities to Prevent Overweight and Obesity in the Context of the Double Burden of Malnutrition*. Switzerland: World Health Organization.

World Health Organization (2024) *Malnutrition*, *Who Health Organization*. Tersedia pada: https://www.who.int/news-room/fact-sheets/detail/malnutrition (Diakses: 8 Januari 2026).

World Health Organization (2026) *Malnutrition*, *World Health Organization*.

Yaniawati, R.P. dan Indrawan, R. (2024) *Metodologi Penelitian*. Disunting oleh Rachmi. Bandung: PT Refika Aditama.

Zimmermann, A. (2020) "Method Evaluation, Parameterization, and Result Validation in Unsupervised Data Mining: A Critical Survey," *WIREs Data Mining and Knowledge Discovery*, 10(2). Tersedia pada: https://doi.org/10.1002/widm.1330.