

BIBLIOGRAPHY

- [1] N. A. Elsayed *et al.*, “Introduction and Methodology: Standards of Care in Diabetes—2023,” *Diabetes Care*, vol. 46, no. January, pp. S1–S4, 2023, doi: 10.2337/dc23-Sint.
- [2] D. Care and S. S. Suppl, “2. Diagnosis and Classification of Diabetes: Standards of Care in Diabetes—2025,” *Diabetes Care*, vol. 48, no. January, pp. S27–S49, 2025, doi: 10.2337/dc25-S002.
- [3] N. A. Elsayed *et al.*, “Summary of Revisions: Standards of Care in Diabetes—2023,” *Diabetes Care*, vol. 46, no. January, pp. S5–S9, 2023, doi: 10.2337/dc23-SREV.
- [4] N. A. Elsayed *et al.*, “16. Diabetes Care in the Hospital: Standards of Care in Diabetes—2023,” *Diabetes Care*, vol. 46, no. January, pp. S267–S278, 2023, doi: 10.2337/dc23-S016.
- [5] K. R. Widiyari, I. M. K. Wijaya, and P. A. Suputra, "Type 2 Diabetes Mellitus: Risk Factors, Diagnosis, and Management," *Ganesha Med.*, vol. 1, no. 2, p. 114, 2021, doi: 10.23887/gm.v1i2.40006.
- [6] N. Malaza, M. Masete, S. Adam, S. Dias, T. Nyawo, and C. Pheiffer, “A Systematic Review to Compare Adverse Pregnancy Outcomes in Women with Pregestational Diabetes and Gestational Diabetes,” *Int. J. Environ. Res. Public Health*, vol. 19, no. 17, 2022, doi: 10.3390/ijerph191710846.
- [7] Z. Ling and Z. J. Hao, “An Intrusion Detection System Based on Normalized Mutual Information Antibodies Feature Selection and Adaptive Quantum Artificial Immune System,” *Int. J. Semant. Web Inf. Syst.*, vol. 18, no. 1, pp. 1–25, 2022, doi: 10.4018/IJSWIS.308469.
- [8] B. A. Usmanovich *et al.*, “The Optimal Parking Lot for Electrical Vehicle: An Assessment Based on Artificial Immune System Algorithm,” *J. Opera. Autom. Power Tight.*, vol. 11, no. Special Issue, pp. 77–83, 2023, doi: 10.22098/joape.2024.13834.2068.
- [9] N. Hasib, S. Wajahat, A. Rizvi, and V. Katiyar, “ARTIFICIAL IMMUNE SYSTEM: A SYSTEMATIC LITERATURE REVIEW,” vol. 101, no. 4, pp. 1469–1486, 2023.
- [10] P. Thapatsuwan, W. Thapatsuwan, C. Kulworatit, and D. Technology,

- “THREE-DIMENSIONAL LOADING CAPACITATED VEHICLE ROUTING,” vol. 6, no. 2, pp. 1019–1039, 2025.
- [11] J. Song, Y. Yuan, and W. Pang, “SAIS : A Novel Bio-Inspired Artificial Immune System Based on”.
 - [12] R. Syahputra and I. Soesanti, "Multi-objective Optimization on the Reconfiguration of the Electricity Distribution Network with the Integration of Distributed Power Plants Using the Artificial Immune System Method," *J. Tek. Electro*, vol. 12, no. 2, pp. 57–71, 2020, doi: 10.15294/jte.v12i2.26353.
 - [13] A. A. Prahartiningsyah and T. B. Kurniawan, "Recognition of Number Patterns Using an Artificial Immune System Optimization Approach," *J. Media Inform. Budidarma*, vol. 5, no. 3, p. 856, 2021, doi: 10.30865/mib.v5i3.2997.
 - [14] B. E. D. Sitorus, D. R. Manalu, and Y. Y. P. Rumapea, "Combination of Food Menu Packages with Apriori Algorithm in Cafe Habitat Coffee," *Method. J. Tek. Inform. and Sist. Inf.*, vol. 10, no. 1, pp. 22–26, 2024, doi: 10.46880/mtk.v10i1.2599.
 - [15] M. Pusparisti and A. N. Paradhita, "Apriori Algorithm to Provide Food Menu Recommendations Based on Consumer Shopping Trends," *Jutisi J. Ilm. Tek. Inform. and Sist. Inf.*, vol. 14, no. 1, pp. 1–13, 2025.
 - [16] D. Ayu *et al.*, "Recommendations for Nutritious Food Menus with Decision Support System Using Genetic Algorithms," *J. Ilm. Computing*, vol. 22, no. 1, pp. 1–12, 2023, doi: 10.32409/jikstik.22.1.3316.
 - [17] M. Nassar *et al.*, “Diabetes Mellitus and COVID-19: Review Article,” *Diabetes Metab. Syndr. Clin. Res. Rev.*, vol. 15, no. 6, 2021, doi: 10.1016/j.dsx.2021.102268.
 - [18] N. R. Haryana and T. Chairunnisa, "Standardized Nutritional Care Process in Chronic Kidney Disease Stage V, Diabetes Mellitus II, Anemia and Pseudoaneurysm," *Pontianak Nutr. J.*, vol. 5, no. 1, p. 129, 2022, doi: 10.30602/pnj.v5i1.913.
 - [19] R. Wahyuningsih, N. Ardianti, N. K. Sri Sulendri, and J. Darni, "Overview of the Standardized Nutritional Care Process in Type 2 Diabetes Mellitus (DM) Patients," *Indones. Heal. Issue*, vol. 2, no. 1, pp. 9–18, 2023, doi: 10.47134/inhis.v2i1.36.
 - [20] R. Wahyuningsih, Baiq Ayu Ristiani, Suhaema, and N. K. Sri Sulendri, "Dietary

- Intake of Type 2 Diabetes Mellitus Patients After Receiving Nutritional Counseling," *Indones. Heal. Issue*, vol. 2, no. 2, pp. 126–134, 2023, doi: 10.47134/inhis.v2i2.55.
- [21] S. Bhattacharya and S. Kalra, "Asian Context : Broadening the Perspective," no. November, pp. 4–6, 2023, doi: 10.2337/dc20-3007.
- [22] R. Chen, G. Chen, and G. Chen, "Contents of lists Future Journal of Future Foods Personalized nutrition for people with diabetes and at risk of diabetes has begun Personalized a nutrition for people with diabetes and at risk of diabetes has begun," *J. Futur. Foods*, vol. 2, no. 3, pp. 193–202, 2022, doi: 10.1016/j.jfutfo.2022.06.001.
- [23] O. P. Nóvoa *et al.*, "Validity of predictive equations for total energy expenditure against doubly labeled water," *Sci. Rep.*, pp. 1–10, 2024, doi: 10.1038/s41598-024-66767-7.
- [24] Y. Zhou, Y. Chen, Y. Tang, S. Zhang, Z. Zhuang, and Q. Ni, "Rising tide : the growing global burden and inequalities of early - onset type 2 diabetes among youths aged 15 – 34 years (1990 – 2021)," *Diabetol. Metab. Syndr.*, 2025, doi: 10.1186/s13098-025-01673-0.
- [25] C. Adults, "Chinese Adults," pp. 1–9, 2023.
- [26] U. N. Husna and I. Handayani, "Integration of BMI and TDEE Calculations in Healthy Lifestyle Monitoring Applications," vol. 08, no. 3, pp. 717–722, 2025.
- [27] D. Care and S. S. Suppl, "8 . Obesity and Weight Management for the Prevention and Treatment of Type 2 Diabetes : Standards of Care in Diabetes – 2025," vol. 48, no. January, pp. 167–180, 2025.
- [28] E. Gerontiti, A. Shalit, K. Stefanaki, P. Kazakou, and D. S. Karagiannakis, "The role of low glycemic index and load diets in medical nutrition therapy for type 2 diabetes : an update," *Hormones*, vol. 23, no. 4, pp. 655–665, 2024, doi: 10.1007/s42000-024-00566-7.
- [29] K. Iizuka, "Dietary and Nutritional Guidelines for People with Diabetes," pp. 2–5, 2023.
- [30] T. P. Minari *et al.*, "Nutritional Strategies for the Management of Type 2 Diabetes Mellitus : A Narrative Review," pp. 1–27, 2023.
- [31] O. J. Kelly, E. D. Edelen, A. Sharma, K. Kashyap, R. Patel, and S. Saiprakash, "Decoding Diabetes Nutritional Guidelines for Physicians in Underserved

- American Populations,” pp. 1–23, 2024.
- [32] H. Jannah, Suhaema, L. J. Utama, and N. K. S. Sulendri, "Overview of the Standardized Nutritional Care Process (PAGT) in Type II Diabetes Mellitus Patients in the Pulmonary Irna Room," *Student J. Nutr. (SJ Nutr.)*, vol. 2, no. 2, pp. 103–112, 2023, doi: 10.32807/sjn.v2i2.23.
 - [33] H. Sufi, D. W. Utomo, and G. Darmawati, "Expert System for Recommending Healthy Food Menus for Patients with Diseases with the Forward Chaining Method," *J. KomtekInfo*, vol. 10, pp. 8–14, 2023, doi: 10.35134/komtekinfo.v10i1.320.
 - [34] M. Soleh and B. E. Ristianto, "Implementation of Recommendation System Using the Collaborative Filtering Method in Android-Based Restaurant Menu Ordering Applications," vol. 18, no. 1, 2025.
 - [35] M. Rosa, L. A. Soares, and C. Lobo, "LOCUS JOURNAL: Research & Service of Mobile-Based Culinary Attraction Recommendation System in Dili City with the Promethee Method," vol. 4, no. 4, pp. 1477–1492, 2025, doi: 10.58344/locus.v4i4.3987.
 - [36] G. E. Yuliasuti, M. Kurniawan, and F. P. Aditya, "Optimization of Diet Zone Food Menu Combinations Using Genetic Algorithms," *Technique*, vol. 13, no. 1, pp. 18–26, 2024, doi:10.34148/technique.v13i1.697.
 - [37] A. N. Sari, I. Chollisodin, and B. Rahayudi, "Optimization of Foodstuffs Combination to Increase Immunity and Early Prevention of Covid-19 Infection in Young Adults using Algorithm....," *J. Pengemb. Techno. ...*, vol. 5, no. 11, pp. 4869–4877, 2021, [Online]. Available: <https://j-ptiik.ub.ac.id/index.php/j-ptiik/article/view/10134%0Ahttp://j-ptiik.ub.ac.id/index.php/j-ptiik/article/download/10134/4498>
 - [38] P. Ratna Sari, I. Cholissodin, and B. Rahayudi, "Optimization of Nutrition of Foodstuffs in Children for Growth and Development using Genetic Algorithms (Case Study: Kediri Regency Health Office)," vol. 5, no. 12, pp. 5429–5436, 2021, [Online]. Available: <http://j-ptiik.ub.ac.id>
 - [39] Y. Lorinez, Z. Indra, and D. Paramitha Purba, "Implementation of Heuristic Algorithm in Solving Traveling Salesman Problems in Optimizing Food Delivery Lines for Online Services Using Python," *JATI (Journal of Mhs. Tek. Inform.)*, vol. 9, no. 1, pp. 298–304, 2024, doi: 10.36040/jati.v9i1.12336.

- [40] H. Chen, K. Su, and W. Gao, "The Analysis of Blockchain Digital Currency Product Innovation Based on Artificial Immune Algorithm," *IEEE Access*, vol. 10, no. November, pp. 132448–132454, 2022, doi: 10.1109/ACCESS.2022.3229870.
- [41] D. Wei, P. He, Q. Guo, Y. Huang, and H. Yan, "Magnetic Resonance Imaging Manifestations of Pediatric Purulent Meningitis Based on Immune Clustering Algorithm," *Contrast Media Mol. Imaging*, vol. 2022, 2022, doi: 10.1155/2022/9751620.
- [42] F. Ardiansyah and I. Prabawati, "Implementation of the Nutrition Recovery House Program for the Movement of Sharing Food Together (Gesit Gembira) in Accelerating Stunting Reduction at the Situbondo Regency Health Office," *Audience*, pp. 2455–2464, 2023, doi: 10.26740/publika.v11n4.p2455-2464.
- [43] I. Syafii *et al.*, "Machine Learning-Based Artificial Intelligence," *J. Servant. Kpd. Masy.*, vol. 6, no. 2, pp. 172–178, 2023.
- [44] I. J. Informatika, M. Teknologi, N. Purwati, and T. Widianoro, "AI AND MACHINE LEARNING FOR EARLY DIAGNOSIS AND INTERVENTION IN STUNTING UNDER FIVE: A SYSTEMATIC LITERATURE REVIEW," vol. 27, pp. 71–86, 2025, doi: 10.23969/infomatek.v27i1.24136.
- [45] M. Munawaroh, T. Azhima, Y. Siswa, and W. J. Pranoto, "Optimization of BMR and Simulated Annealing Methods for SVM Algorithms in Overcoming Imbalanced and High Dimensional Data Stunting," vol. 05, no. 3, pp. 1–19, 2024, [Online]. Available: <https://ijurnal.com/1/index.php/jpip>
- [46] S. Engineering, A. Heryati, D. Marcelina, H. Romli, and I. Artikel, "Optimization of Stunting Risk Prediction Using a Hybrid Genetic-Machine Learning Model," vol. 5, no. 2, pp. 807–815, 2025, doi: 10.30811/jaise.v5i2.6988.
- [47] E. N. Candra, I. Cholissodin, and R. C. Wihandika, "Classification of Nutritional Status of Toddlers Using Random Forest Optimization Method with Genetic Algorithm (Case Study: Cakru Health Center)," *J. Emb. Technology. Inf. and Computing Science.*, vol. 6, no. 5, pp. 2188–2197, 2022, [Online]. Available: <http://j-ptiik.ub.ac.id>
- [48] M. Misbahul Munir, A. Pujiyanto, and H. Aulia Muhali Lamuru, "Optimization of Genetic Algorithms with Particle Swarm Optimization (PSO) for Nutritional

Diet Recommendation System for Diabetics," *J. Ris. Sist. and Technological. Inf.*, vol. 1, no. 2, pp. 38–48, 2023, doi: 10.30787/restia.v1i2.1289.

- [49] I. Rachmi and I. Cholissodin, "Optimization of Grocery Lists for Outpatients and Families Using Genetic Algorithms," vol. 2, no. 1, pp. 342–351, 2018.