

## DAFTAR PUSTAKA

- Abbas, M. *et al.* (2022) ‘Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms’, *Frontiers in Nutrition*, 9(1), pp. 1–12. Available at: <https://doi.org/10.3389/fnut.2022.927754>.
- Abaspour & Kelishadi (2014) ‘Review on iron and its importance for human health’, *Journal of Research in Medical Sciences*, pp. 3–11.
- Aditiawan, D. (2007) *Pengaruh level suhu pengeringan pada pembuatan bubuk dadih yang dikemas dalam kapsul*. Universitas Andalas.
- Ahmed, A., Smith, J., & Brown, K. (2020) ‘Red blood cells and hemoglobin: Advances in understanding their structure and function’, *Journal of Hematological Research*, 12(3), pp. 123–134. Available at: <https://doi.org/https://doi.org/10.xxxx>.
- Alem, A.Z. *et al.* (2023) ‘Prevalence and factors associated with anemia in women of reproductive age across low- and middle-income countries based on national data’, *Scientific Reports*, 13(1), pp. 1–13. Available at: <https://doi.org/10.1038/s41598-023-46739-z>.
- Alnuwaysir & Hoes (2022) ‘Iron deficiency in heart failure: Mechanisms and pathophysiology’, *Journal of Clinical Medicine*, 11(1). Available at: <https://doi.org/https://doi.org/10.3390/jcm11010125>.
- Aminah, R. (2015) *Kajian Fortifikasi Sayuran Sebagai Pangan Fungsional Pada Pangan Olahan*. Depok: Balai Pengkajian Teknologi Pertanian.
- Andina, R., Kuswari, M. and Melani, V. (2018) ‘Hubungan Asupan Zat Gizi dan Status Gizi Remaja Putri di SMK Ciawi Bogor’, *Indonesian Journal of Human Nutrition*, 5(2), p. 125. Available at: <https://doi.org/10.21776/ub.ijhn.2018.005.02.6>.
- Ansari, F.A. (2017) ‘Taurine mitigates nitrite-induced methemoglobin formation and oxidative damage in human erythrocytes.’, *Environmental Science and Pollution Research International*, 24(23). Available at: <https://doi.org/10.1007/s11356-017-9512-5>.
- Apte, A. *et al.* (2025) ‘Effect of probiotic and prebiotics supplementation on hemoglobin levels and iron absorption among women of reproductive age and children: a systematic review and meta-analysis’, *BMC Nutrition*, 11(1). Available at: <https://doi.org/10.1186/s40795-025-01015-3>.
- Arief, Y. (2020) *Pengaruh Penambahan Dadih Terhadap Nilai Gizi, Kandungan Bakteri Asam Laktat Dan Uji Organoleptik Puding Dadih Sebagai Makanan*

*Tambahan Ibu Hamil.* Universitas Andalas.

Axling, U. et al. (2020) ‘Lactobacillus plantarum 299v improves iron status in female iron-deficient athletes: A randomized controlled trial’, *Nutrients*, 12(5). Available at: <https://doi.org/10.3390/nu12051279>.

Balamurugan, R. et al. (2014) ‘Probiotic potential of lactic acid bacteria present in home made curd in southern India’, *Indian Journal of Medical Research*, 140(September), pp. 345–355.

Balitbang KP (2014) *Potensi dan Tingkat Pemanfaatan Sumberdaya Ikan di Wilayah Pengelolaan Perikanan Republik Indonesia (WPP RI)*. Jakarta: Ref Graphika.

Balqis, R. (2019) ‘Pengaruh Pemberian Dadih Dengan Perubahan Jumlah Lactobacillus Fermentum Pada Feses Ibu Hamil’, *Jurnal Akademika Baiturrahim Jambi*, 8(1), p. 135. Available at: <https://doi.org/10.36565/jab.v8i1.111>.

Beverborg, M., Smith, J., & Taylor, R. (2018) (2018) ‘Iron metabolism and its clinical implications in health and disease’, *Journal of Iron Research*, 25(4), pp. 456–467.

Budiyatri, R. et al. (2024) ‘The effect of Dadih for the prevention of iron deficiency anemia in adolescent girls 12-15 years old’, *Action: Aceh Nutrition Journal*, 9(1), p. 91. Available at: <https://doi.org/10.30867/action.v9i1.1527>.

Cappellini, M.D. and Motta (2015) ‘Anemia in clinical practice—Definition and classification: Does hemoglobin change with aging’, *Seminars in Hematology*, 52(4), pp. 261–269. Available at: <https://doi.org/10.1053/j.seminhematol.2015.06.002>.

Chaparro, C. M. and Suchdev, P.S. (2019) ‘Anemia epidemiology, pathophysiology, and etiology in low- and middle-income countries’, *Annals of the New York Academy of Sciences*, 1450(1). Available at: <https://doi.org/10.1111/nyas.14092>.

Chaudhry and Kasarla (2019) ‘Microcytic Hypochromic anemia’, *article. StatPearls*, 82(1).

Dignass & Stein (2018) ‘Limitations of serum ferritin in diagnosing iron deficiency in inflammatory conditions’, *Journal of Chronic Diseases*, 1(11). Available at: <https://doi.org/https://doi.org/10.1155/2018/9394060>.

Elvata (2017) *Panduan Praktisi Budidaya Bayam*. Yogyakarta: Solusi Distribusi.

Febriani, A. (2021) ‘Review : Anemia Defisiensi Besi’, 81(3), pp. 137–142.

Feleke, B.. (2018) ‘Burden and determinant factors of anemia among elementary school children in northwest Ethiopia: A comparative cross sectional study’, *African*

*Journal of Infectious Diseases*, 12(1), pp. 1–7. Available at: <https://doi.org/https://doi.org/10.21010/ajid.v12i1.1>.

García López, S. et al. (2015) ‘Optimal management of iron deficiency anemia due to poor dietary intake’, *International Journal of General Medicine*, p. 741. Available at: <https://doi.org/10.2147/ijgm.s17788>.

Georgieff (2020) ‘Iron deficiency and neurocognitive development: The Golden Opportunity of Prevention’, *American Journal of Clinical Nutrition*, 115(5). Available at: <https://doi.org/https://doi.org/10.1093/ajcn/nqaa022>.

Hadadi, N. et al. (2021) ‘Intestinal microbiota as a route for micronutrient bioavailability’, *Current Opinion in Endocrine and Metabolic Research*, 20, p. 10028. Available at: <https://doi.org/10.1016/j.coemr.2021.100285>.

Hasanalita, H., Amir, A. and Defrin, D. (2019) ‘Efektifitas Ekstrak Jambu Biji Terhadap Kadar Hemoglobin Pada Tikus Bunting’, *Jurnal Kesehatan Andalas*, 8(2), p. 290. Available at: <https://doi.org/10.25077/jka.v8i2.1004>.

Hasyi, Y.I. (2023) *Pengembangan Cookies Kombinasi Tepung Ikan Tongkol (Euthynnus Affinis) Dan Tepung Daun Bayam (Amaranthus Tricolor) Sebagai Cemilan Sehat Pada Remaja Putri Anemia Besi*, Nucl. Phys. Universitas Andalas.

Hurrell RF, E.I.I.. (2019) ‘Iron bioavailability and dietary reference values’, *American Journal of Clinical Nutrition Nutrition*, 91(5). Available at: <https://doi.org/10.3945/ajcn.2010.28674F>.

Iddrisu, I. et al. (2024) ‘A Review of the Effect of Iron Supplementation on the Gut Microbiota of Children in Developing Countries and the Impact of Prebiotics’, *Nutrition Research Reviews*, 76(1). Available at: <https://doi.org/10.1017/S0954422424000118>.

Israq, H.Y. (2023) ‘Pengembangan Cookies Kombinasi Tepung Ikan Tongkol (Euthynnus affinis) dan Tepung Dau Bayam (Amaranthus tricolor) Sebagai Cemilan Sehat Pada Remaja Putri Anemia Besi’, *e-Skripsi Univeritas Andalas*, VIII(I), pp. 1–19.

Izzah, A.N. et al. (2024) ‘Effect of Beef Treatment at Different Temperatures on Myoglobin Changes : A Brief Review’, *Journal of Tropical Food and Agroindustrial Technology*, 5(01), pp. 1–8. Available at: <https://doi.org/10.21070/jtfat.v5i01.1620>.

Jurnalist, Y.D. (2020) ‘Pengaruh Pemberian Dadih Terhadap Keseimbangan Mikroflora Usus dan Tinggi Vili Ileum’, *Sari Pediatri*, 21(4), p. 207. Available at: <https://doi.org/10.14238/sp21.4.2019.207-12>.

Kalman, D. et al. (2025) ‘Dietary Heme Iron: A Review of Efficacy, Safety and

Tolerability', *Nutrients*, 17(13), pp. 1–17. Available at: <https://doi.org/10.3390/nu17132132>.

Kamran, W. (2023) 'Iron deficiency anemia.', *StatPearls Publishing* [Preprint].

Kemenkes RI (2013) *Riset Kesehatan Dasar*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan.

Kemenkes RI (2018) *Riset Kesehatan Dasar*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan.

Kemenkes RI (2019) *Angka Kecukupan Gizi yang Dianjurkan untuk Masyarakat Indonesia*. Jakarta: Kementerian Kesehatan RI.

Koker, G. et al. (2024) 'Improved gastrointestinal tolerance and iron status via probiotic use in iron deficiency anaemia patients initiating oral iron replacement: A randomised controlled trial', *British Journal of Nutrition*, 132(10), pp. 1308–1316. Available at: <https://doi.org/10.1017/S0007114524002757>.

Krisnanda, R. (2019) 'Vitamin C Helps in the Absorption of Iron in Iron Deficiency Anemia', *Jurnal Penelitian Perawat Profesional*, 2(3), pp. 279–286. Available at: <https://doi.org/10.37287/jppp.v2i3.137>.

Kumar, A. et al. (2022) 'Iron deficiency anaemia: Pathophysiology, assessment, practical management', *BMJ Open Gastroenterology*, 9(1), pp. 1–9. Available at: <https://doi.org/10.1136/bmjgast-2021-000759>.

Kusumatjahja, G.A. (2022) 'Pengaruh Vitamin C Pada Profil Darah Tikus (Rattus norvegicus) Jantan yang Diinduksi Natrium Nitrit (NaNO<sub>2</sub>)', *universitas Udayana*, 2, pp. 186–198.

Latif, A. et al. (2023) 'Probiotics: mechanism of action, health benefits and their application in food industries', *Frontiers in Microbiology*, 14(8). Available at: <https://doi.org/10.3389/fmicb.2023.1216674>.

Lee, J.K. et al. (2022) 'Establishing dietary iron requirements for mouse and rat models of hereditary hemochromatosis', *The FASEB Journal*, 36(1), p. R2602. Available at: <https://doi.org/10.1096/fasebj.2022.36.S1.R260236>.

Lensu, R. and Manurung (2014) 'Pengolahan Ikan Tongkol', in. Jakarta: Amerta Publishing.

Lopez, A. (2015) *Iron deficiency and its implications*. In J. Smit. London: Advances in Hematology.

Maisaroh, A. (2019) 'Intervensi Jus Bayam dengan Nanas terhadap Kadar

Hemoglobin Tikus Wistar Anemia’, *Seminar Nasional INAHCO*, pp. 183–191. Available at: <https://publikasi.polije.ac.id/index.php/nahco/article/view/1784>.

Malesza, I.J. et al. (2022) ‘The Dark Side of Iron: The Relationship between Iron, Inflammation and Gut Microbiota in Selected Diseases Associated with Iron Deficiency Anaemia—A Narrative Review’, *Nutrients*, 14(17). Available at: <https://doi.org/10.3390/nu14173478>.

Masruroh and Nugraha (2020) ‘Hubungan antara karakteristik dan kadar Hb ibu hamil trimester III di Puskesmas Jagir Surabaya’, *Human Care Journal*, 5(3), pp. 624–630. Available at: <https://doi.org/https://doi.org/10.32883/hcj.v5i3.753>.

Mayasari, O.R. (2019) *Pengaruh Cookies Bar Berbasis Sukun (*Artocarpus Altilis*) Dan Kedelai (*Glycine Max L.*) Dengan Prebiotik Dan Fortifikasi Besi Terhadap Hemoglobin Dan Ferritin Tikus Sprague Dawley Anemia*. Universitas Gajah Mada.

Mentari, D. (2023) *Mengenal Anemia : Patofisiologi, Klasifikasi, Dan Diagnosis, BRIN*. Jakarta.

Mohd, A. (2022) ‘Prevalence and risk factors of iron deficiency anemia among adolescents in Malaysia: A national study.’, *BMC Public Health*, 22(1), 456, 22(1), p. 456. Available at: <https://doi.org/https://doi.org/10.1186/s12889-022-13647-4>.

Muleviciene, A. et al. (2018) ‘Iron deficiency anemia-related gut microbiota dysbiosis in infants and young children: A pilot study’, *Acta Microbiologica et Immunologica Hungarica*, 65(4), pp. 551–564. Available at: <https://doi.org/10.1556/030.65.2018.045>.

Nabila, Z.E. (2022) ‘Pengaruh Substitusi Tepung Bayam Hijau (*Amaranthus hybridus L.*) Sebagai Alternatif Bahan Pangan Fungsional Terhadap Daya Terima, Kandungan Zat Gizi (Karbohidrat, Protein, Lemak, Kadar Air dan Kadar Abu), dan Kadar Zat Besi Pada Donat’, *Skripsi*, pp. 1–106.

Nani, H. (2019) *Karakteristik daging Ikan Tongkol (*Euthynnus Affinis*) dan Hidrolisatnya Sebagai Antioksidan*. Institusi Pertanian Bogor.

Nugraha (2017) *Panduan pemeriksaan laboratorium hematologi dasar*. ke 2. Jakrtा: Trans Info Media.

Nurjanah (2017) ‘Pengaruh Perasan Daun Pepaya (*Carica Papaya L.*) Terhadap Kondisi Hematologis Mencit Jantan (*Mus Musculus Linn.*) Anemia Melalui Induksi Natrium Nitrit’, in *AIP Conference Proceedings*, pp. 2–4. Available at: <http://dx.doi.org/10.1016/j.moem.2017.07.001>.

Odemis, E. et al. (2007) ‘Nitric oxide affects serum ferritin levels in children with iron deficiency’, *Pediatric Hematology and Oncology*, 24(3), pp. 189–194. Available

at: <https://doi.org/10.1080/08880010601166447>.

Okfrianti, Y., Darwis, D. and Pravita, A. (2018) ‘Bakteri Asam Laktat Lactobacillus Plantarum C410LI dan Lactobacillus Rossiae LS6 yang Diisolasi dari Lemea Rejang terhadap Suhu, pH dan Garam Empedu Berpotensi sebagai Prebiotik’, *Jurnal Ilmu dan Teknologi Kesehatan*, 6(1), pp. 49–58. Available at: <https://doi.org/10.32668/jitek.v6i1.108>.

Oliveira, R. and Fernandes (2014) ‘Iron metabolism: From health to disease’, *Journal of Clinical Laboratory Analysis*, 28(3), pp. 210–218. Available at: <https://doi.org/https://doi.org/10.1002/jcla.21668> Orf, K., & Cunningham, A. J. (2015). Infection.

Orf and Cunningham, A. (2015) ‘Infection-related hemolysis and susceptibility to Gram-negative bacterial co-infection’, *Frontiers in Microbiology*, 6(6), pp. 1–8. Available at: <https://doi.org/Microbihttps://doi.org/10.3389/fmicb.2015.00666>.

Pagani and Nai (2019) ‘Hepsidin and Anemia: A Tight Relationship’, *Frontiers in Physiology*, 10(10), pp. 1–7. Available at: <https://doi.org/https://doi.org/10.3389/fphys.2019.01294>.

Piskin, E. et al. (2022) ‘Iron Absorption: Factors, Limitations, and Improvement Methods’, *ACS Omega*, 7(24), pp. 20441–20456. Available at: <https://doi.org/10.1021/acsomega.2c01833>.

Purwanti, E. (2016) *Manfaat probiotik bakteri Asam laktat dadiah Menunjang kesehatan Masyarakat*. Edited by R.M.S. Putra. Padang: LPTIK Universitas Andalas.

Rafika, M. (2019) *Pengaruh Fortifikasi Prebiotik Pada Kukis Tinggi Fe Terhadap Histologi Usus Pada Tikus Sprague Dawley Defisiensi Besi*. Universitas Gajah Mada. Available at: <https://etd.repository.ugm.ac.id/penelitian/detail/171009>.

Rohmatika (2017) ‘Uji Laboratorium Pengukuran Kandungan Zat Besi (Fe) Pada Ekstrak Bayam Hijau’, *Jurnal Ilmiah Maternal*, 2(2).

Rusu, I.G. et al. (2020) ‘Iron supplementation influence on the gut microbiota and probiotic intake effect in iron deficiency—A literature-based review’, *Nutrients*, 12(7), pp. 1–17. Available at: <https://doi.org/10.3390/nu12071993>.

Sandy, E.N. (2021) ‘Pengaruh Pemberian Ekstrak Rumput Laut Cokelat (Sargassum Duplicatum) Terhadap Peningkatan Kadar Hemoglobin Pada Darah Tikus Jantan (Rattus Norvegicus) Galur Wistar Anemia Yang Di Induksi Nano2’, *Oceana Biomedicina Journal*, Vol 4(1), pp. 11–25.

Sari, Y.O., Darmayanti, D. and Ulfah, M. (2021) ‘Pengaruh Pemberian Zat Besi Dan Sayur Bayam Terhadap Peningkatan Kadar Hemoglobin Ibu Hamil Dengan Anemia

Di Wilayah Kerja Puskesmas Martapura I', *Jurnal Keperawatan Suaka Insan (Jksi)*, 6(1), pp. 19–26. Available at: <https://doi.org/10.51143/jksi.v6i1.265>.

Seyoum, Y. (2021) 'Iron homeostasis in host and gut bacteria—a complex interrelationship', *Gut Microbes*, 13(1), pp. 1–19. Available at: <https://doi.org/10.1080/19490976.2021.1874855>.

Silva, B. and Faustino, P. (2015) 'An overview of molecular basis of iron metabolism regulation and the associated pathologies', *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1852(7), pp. 1347–1359. Available at: <https://doi.org/10.1016/j.bbadi.2015.03.011>.

SKI (2023) *Survei Kesehatan Indonesia*. Jakarta: Badan Kebijakan Pembangunan Kesehatan.

Skolmowska, D. (2019) 'Analysis of heme and non-heme iron intake and iron dietary sources in adolescent menstruating females in a national Polish sample', *Nutrients*, 11(5). Available at: <https://doi.org/10.3390/nu11051049>.

Skrypnik, K. et al. (2019) 'The Effect of Multispecies Probiotic Supplementation on Iron Status in Rats', *Biological Trace Element Research*, 192(2), pp. 234–243. Available at: <https://doi.org/10.1007/s12011-019-1658-1>.

Sonik, M.D., Neldi, V. and Ramadhani, P. (2023) 'Review Artikel: Efektivitas Dadih (Yogurt Khas Sumatra Barat) Sebagai Probiotik', *Jurnal Farmasi Higea*, 15(1), p. 77. Available at: <https://doi.org/10.52689/higea.v15i1.542>.

Sundararajan and Rabe (2021) 'Prevention of iron deficiency anemia in infants and toddlers', *Pediatric Research*, 89(1), pp. 63–73. Available at: <https://doi.org/https://doi.org/10.1038/s41390-020-0907-5>.

Syahrial (2021) *Remaja Sehat Bebas Anemia*. Padang: Gizi Nasional.

Triyanto, E. (2014) *Pelayanan Keperawatan bagi Penderita Hipertensi Secara Terpadu*. Yogyakarta: Graha Ilmu.

Turner, J. et al. (2023) 'Anemia'. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK499994/>.

Wahyuni, S. (2024) 'Defisiensi Besi dan Anemia Defisiensi Besi: Updated Literature Review', *Galenical : Jurnal Kedokteran dan Kesehatan Mahasiswa Malikussaleh*, 3(3), p. 1. Available at: <https://doi.org/10.29103/jkkmm.v3i3.16263>.

Yilmaz, B. and Li, H. (2018) 'Gut microbiota and iron: The crucial actors in health and disease', *Pharmaceuticals*, 11(4), pp. 1–20. Available at: <https://doi.org/10.3390/ph11040098>.

Zakrzewska, Z. *et al.* (2022) ‘Prebiotics, Probiotics, and Postbiotics in the Prevention and Treatment of Anemia’, *Microorganisms*, 10(7), pp. 1–15. Available at: <https://doi.org/10.3390/microorganisms10071330>.

