DAFTAR PUSTAKA

Abdoellah, S., & Hartatri, D. F. S. (2021). Analisis Kinerja dan Prospek Komoditas Kopi. Radar DePlantation, 2(2), 2–7.

Abudigin, W. I., Bajaber, A., & Subash-Babu, P. (2024). *Impact of Various Dietary Lipids on Amelioration of Biomarkers Linked to Metabolic Syndrome in Both Healthy and Diabetic Wistar rats.* BMC *Nutrition*, 10(1), 1–12. https://doi.org/10.1186/s40795-024-00881-7

Adeshina, I., & Emikpe, B. (2020). *Pathogenicity, Haematology and Pathology of Listeria Monocytogenes in Rat. Comparative Clinical Pathology*, 29(2), 511–515. https://doi.org/10.1007/s00580-019-03084-w

Adwas, A. A., Ibrahim, A. S., Elsayed, Azab, A. E., & Amhimmid, F. Q. (2019). *Oxidative Stress and Antioxidant Mechanisms in Human Body*. *Journal of Applied Biotechnology & Bioengineering*, *6*(1), 43–47. https://doi.org/10.15406/jabb.2019.06.00173

Alnopri. (2023). Upaya Pengembangan Inovasi Teknologi untuk Meningkatkan Produksi dan Mutu Serta Varian Minuman Kopi. 04, 0–5. https://doi.org/10.32734/anr.v4i1.1736

Alves-Bezerra, M., & Cohen, D. E. (2018). *Triglyceride Metabolism in The Liver. Comprehensive Physiology*, 8(1), 1–22. https://doi.org/10.1002/cphy.c170012

Apriliyanto, A. M., Purwadi, & Puruhito, D. D. (2018). Daya Saing Komoditas Kopi (*Coffea Sp.*) di Indonesia. 3(2).

Arifin, W. N., & Zahiruddin, W. M. (2017). *Sample Size Calculation in Animal Studies Using Resource Equation Approach. Malaysian Journal of Medical Sciences,* 24(5), 101–105. https://doi.org/10.21315/mjms2017.24.5.11

Asiah, N., Septiyana, F., Saptono, U., Cempaka, L., & Sari, D. A. (2017). Identifikasi Cita Rasa Sajian Tubruk Kopi Robusta Cibulao pada Berbagai

Suhu dan Tingkat Kehalusan Penyeduhan. Barometer, 2(2), 52–56. https://doi.org/10.35261/barometer.v2i2.905

BPS. (2018). Statistik Kopi Indonesia. Badan Pusat Statistik.

Budi, D., Mushollaeni, W., Yusianto, & Rahmawati, A. (2020). Karakterisasi Kopi Bubuk Robusta (*Coffea Canephora*) Tulungrejo Terfermentasi dengan Ragi. Jurnal Agroindustri, 10(2), 129–138. https://doi.org/10.31186/j.agroindustri.10.2.129-138

Carvalho, L. C. F., Dias, B. V., Gomes, S. V., Carneiro, C. M., & Costa, D. C. (2021). *Temporal Effect of Fructose Supplementation at Different Concentrations on Hepatic Metabolism of Wistar Rats. Nutrición Hospitalaria*, 38(5), 1089–1100.

Castillo, K. P. L., Olivares-ochoa, X. C., Llamas-covarrubias, I. M., Rodr, C., Betancourt-n, A., Vizmanos, B., Mart, E., Muñoz-valle, J. F., Fabiola, M., & Andres, L. (2022). *The Effect of Dietary Interventions on Hypertriglyceridemia. Nutrients*, 14, 1–60.

Cesare, M., Sorić, M., Bovet, P., Miranda, J. J., Bhutta, Z., Stevens, G. A., Laxmaiah, A., Kengne, A. P., & Bentham, J. (2019). *The Epidemiological Burden of Obesity in Childhood. BMC Medicine,* 17(1), 1–20. https://doi.org/10.1186/s12916-019-1449-8

Cora, D. I., Engka, J. N., & Pangemanan, D. (2019). Hubungan Konsumsi Alkohol dengan Kadar Trigliserida pada Mahasiswa. Jurnal Medik dan Rehabilitasi, 1(3), 3–6.

Datu, O. S., Lebang, J. S., & Rumondor, E. M. (2022). Pengaruh Pemberian Sari Buah Salak (*Salacca zalacca*) terhadap Profil lipid dan Berat Badan Tikus Model Hiperlipidemia dan Obesitas. Jurnal MIPA, 11(1), 12. https://doi.org/10.35799/jm.v11i1.36530

Dewajanti, A. M. (2019). Peranan Asam Klorogenat Tanaman Kopi terhadap Penurunan Kadar Asam Urat dan Beban Oksidatif. Jurnal Kedokteran

Meditek, 25(1), 46–51. https://doi.org/10.36452/jkdoktmeditek.v25i1.1758

Dhurandhar, N. V. (2022). *What Is Obesity?: Obesity Musings. International Journal Of Obesity,* 46(6), 1081–1082. https://doi.org/10.1038/s41366-022-01088-1

Dinutanayo, W. W., & Akhriyani, M. (2021). *Comparison of Lipid Profiles and Inflammatory Markers in Obese and Non-Obesity Men*. Jurnal Kesehatan, 12(3), 472. https://doi.org/10.26630/jk.v12i3.2923

Farhaty, N., & Muchtaridi. (2018). Tinjauan Kimia dan Aspek Farmakologi Senyawa Asam Klorogenat pada Biji Kopi. 16, 213–221.

Farias-Pereira, R., Park, C. S., & Park, Y. (2019). *Mechanisms of Action of Coffee Bioactive Components on Lipid Metabolism. Food Science and Biotechnology*, 28(5), 1287–1296. https://doi.org/10.1007/s10068-019-00662-0

Fatimatuzzahro, N., & Prasetya, R. C. (2018). Efek Seduhan Kopi Robusta terhadap Profil Lipid Darah dan Berat Badan Tikus yang Diinduksi Diet Tinggi Lemak. Jurnal Kedokteran Brawijaya, 30(1), 7–11. https://doi.org/10.21776/ub.jkb.2018.030.01.2

Febrianti, K. D., & Setyaningtyas, S. W. (2021). Asam Klorogenat pada Kopi Dan Obesitas : *National Nutrition Journal*, 16(3), 256–266.

Fortunato, I. M., Pereira, Q. C., Oliveira, F. de S., Alvarez, M. C., Santos, T. W. dos, & Ribeiro, M. L. (2024). *Metabolic Insights into Caffeine's Anti-Adipogenic Effects: An Exploration through Intestinal Microbiota Modulation in Obesity*. International Journal of Molecular Sciences, 25(3). https://doi.org/10.3390/ijms25031803

Fuller, M., & Rao, N. Z. (2017). *The Effect of Time, Roasting Temperature, and Grind Size on Caffeine and Chlorogenic Acid Concentrations in Cold Brew Coffee. Scientific Reports,* 7(1), 1–9. https://doi.org/10.1038/s41598-017-18247-4

Furukawa, S., Fujita, T., Shimabukuro, M., Iwaki, M., Yamada, Y., Nakajima, Y., Nakayama, O., & Makishima, M. (2020). *Increased Oxidative Stress in Obesity and its Impact on Metabolic Syndrome. The Journal of Clinical Investigation,* 114(12). https://doi.org/10.1172/JCI200421625.1752

Gadde, K. M., Martin, C. K., Berthoud, H. R., & Heymsfield, S. B. (2018). *Obesity: Pathophysiology and Management. Journal of the American College of Cardiology*, 71(1), 69–84. https://doi.org/10.1016/j.jacc.2017.11.011

Ghasemi, A., Sajad, J., & Kashf, K. (2021). Review Article : *The Laboratory Rat : Age and Body Weight Matter. Excli Journal* 2021;20:1431-1445, 2005, 1431–1445.

Handajani, F. (2021). Metode Pemilihan dan Pembuatan Hewan Model Beberapa Penyakit pada Penelitian Eksperimental.

Hasan, R., & Fahila, R. (2018). *National Cholesterol Education Program Adult Treatment Panel III* (NCEP ATP III) dan *Framingham score*. Repository USU, 1–22.

Herman, M. A., & Birnbaum, M. J. (2021). *Molecular Aspects of Fructose Metabolism and Metabolic Disease. Cell Metabolism*, *33*(12), 2329–2354. https://doi.org/10.1016/j.cmet.2021.09.010

Herouvi, D., Paltoglou, G., Soldatou, A., Kalpia, C., Karanasios, S., & Karavanaki, K. (2023). *Lifestyle and Pharmacological Interventions and Treatment Indications for the Management of Obesity*.

Husniati, H., Sari, M. Y., & Sari, A. (2021). Kajian : Karakterisasi Senyawa Aktif Asam Klorogenat dalam Kopi Robusta Sebagai Antioksidan. Teknologi Argo Industri, 12(2), 34–39.

Ilmiawati, C., Fitri, F., Rofinda, Z. D., & Reza, M. (2020). *Green Coffee Extract Modifies Body Weight, Serum Lipids and TNF-α in High-Fat Diet Induced Obese Rats*. BMC Research Notes, 13(1), 10–14. https://doi.org/10.1186/s13104-020-05052-y

Indrayani, Y. P., & Amrullah, H. U. (2022). Studi Perbandingan Kandungan Asam Klorogenat pada Kopi. 2(3), 680–691.

Intan, P. R., & Khariri. (2020). Pemanfaatan Hewan Laboratorium yang Sesuai untuk Pengujian Obat dan Vaksin. 48–53.

Izquierdo, A. G., Crujeiras, A. B., Casanueva, F. F., & Carreira, M. C. (2019). *Leptin, Obesity, and Leptin Resistance: Where are We 25 Years Later? Nutrients*, 11(11), 1–11. https://doi.org/10.3390/nu11112704

Jayanegara, A., Ridla, M., Laconi, E. B., & Nahrowi. (2019). *Komponen Antinutrisi pada Pakan*.

Kang, H. (2021). *Sample Size Determination and Power Analysis Using the G*Power Software. Journal of Educational Evaluation for Health Professions*, 18, 1–12. https://doi.org/10.3352/JEEHP.2021.18.17

Kemenkes, R. (2017). Panduan Pelaksanaan Gerakan Nusantara Tekan Angka Obesitas (GENTAS). (pp. 6–16). http://p2ptm.kemkes.go.id/dokumen-ptm/panduan-gentas

Kemenkes, R. (2021). Epidemi Obesitas.pdf. *In Epidemi Obesitas* (pp. 1–8).

Kemenkes R. (2018). Hasil Riset Kesehatan Dasar Tahun 2018. Kementrian Kesehatan RI, 53(9), 1689–1699.

Kosnayani, A. S. (2021). Pengembangan Model Hewan Coba Tikus Putih Sprague Dawley Jantan Resistensi Insulin yang Dipicu Obesitan dengan Induksi Diet Fruktosa Cair dan Lemak Sapi Cair.

Kuswandi, M. R., Lintong, P. M., & Loho, L. L. (2017). Gambaran Histopatologik Lambung Tikus Wistar (*Rattus Norvegicus*) yang Diberi Minuman Kopi (*Coffea Arabica L*). Jurnal E-Biomedik, 5(1), 3–8. https://doi.org/10.35790/ebm.5.1.2017.15631

Laufs, U., Parhofer, K. G., Ginsberg, H. N., & Hegele, R. A. (2020). *Clinical Review on Triglycerides. European Heart Journal*, 41(1), 99–109.

https://doi.org/10.1093/eurheartj/ehz785

Liu, M., Wang, D. Q., & Black, D. D. (2020). *Dietary Fats on the Accumulation of Fat and the Cholesterol and Triglyceride Contents in the Different Fat Depots.*

Mahdi, C., Citrawati, P., & Hendrawan, V. F. (2020). *The Effect of Rice Bran on Triglyceride Levels and Histopatologic Aorta in Rat (Rattus norvegicus) of High Cholesterol Dietary Model. IOP Conference Series: Materials Science and Engineering*, 833(1). https://doi.org/10.1088/1757-899X/833/1/012022

Ma'isya, A. M., Angelia, F., Gusman, G. G., Lihayati, L., Al Zaref, M., Defani, N. M., Annabawi, S. R., Saputra, S., Kholili, S. H., Amalia, P. S., Katar, Y., & Ilmiawati, C. (2019). Potensi Kopi Sebagai Zat Gizi Fungsional untuk Kesehatan Kardiovaskuler. Majalah Kedokteran Andalas, 43(1), 47. https://doi.org/10.25077/mka.v43.i1.p47-56.2020

Maulana, H., & Ridwan, A. (2021). *High-Fat Diets-Induced Metabolic Disorders to Study Molecular Mechanism of Hyperlipidemia in Rats. Journal of Biological Science, Technology and Management*, 3(2), 92–105. https://doi.org/10.5614/3bio.2021.3.2.5

Minarsih, T. (2021). Perbedaan Kadar Trigliserida pada Sampel Plasma dan Serum Darah dengan Metode GPO PAP. *Indonesian Journal On Medical Science*, 8(1), 53–56.

Noegroho, B. B. C., Wiryanthini, I. A. D., Surudarma, I. W., & Kusmawati, A. Y. (2022). Pengaruh Pemberian Seduhan Kopi terhadap Kadar Trigliserida dan Kolesterol Total pada Mencit (*Mus musculus L.*) yang Diberi Pakan Tinggi Lemak. Jurnal Medika Udayana, 11(2), 54–58. https://ojs.unud.ac.id/index.php/eum54

Notoatmodjo, S. (2021). Metodologi Penelitian Kesehatan. 144.

Nugraha, F., Relaksana, R., & Siregar, A. Y. M. (2021). Determinan Sosial Ekonomi Terhadap Berat Badan Lebih dan Obesitas di Indonesia. 5, 17–28.

Nugroho, R. A. (2018). Mengenal Mencit Sebagai Hewan Laboratorium (A. H. Khanz (ed.); 2018th ed., pp. 5–183).

Obradovic, M., Sudar-milovanovic, E., Soskic, S., Essack, M., Arya, S., Stewart, A. J., Gojobori, T., & Isenovic, E. R. (2021). *Leptin and Obesity : Role and Clinical Implication.* 12(May), 1–14. https://doi.org/10.3389/fendo.2021.585887

Park, S. S., & Seo, Y. K. (2020). *Excess Accumulation of Lipid Impairs Insulin Sensitivity in Skeletal Muscle. International Journal of Molecular Sciences,* 21(6). https://doi.org/10.3390/ijms21061949

Priyanto, D. A. M., Hintono, A., & Dwiloka, B. (2022). Perbedaan Sifat Fisikokimia dan Organoleptik Produk Kopi Rempah dari Kopi Arabika (*Coffea arabica*) dan Kopi Robusta (*Coffea robusta*). Jurnal Aplikasi Teknologi Pangan, 11(4), 179–184.

Purba, P., Sukartiko, A. C., & Ainuri, M. (2020). Analisis Mutu Fisik Dan Citarasa Kopi Indikasi Geografis Arabika Gayo Berdasarkan Ketinggian Tempat. *Journal of Industrial and Beverage Crops,* 7(2), 83–92.

Purnomo, A. F. P., Shofwah, U. M., & Olivia, A. (2023). Potensi Terapeutik Kopi Hijau terhadap Obesitas. 12, 87–104.

Purwandhini, A. S., Wahyu, E., & Suhaeriyah, N. E. (2023). Analisis Perwilayahan Komoditas Kopi. Jurnal Sosial Ekonomi Pertanian, 19(2), 167–177.

Rejeki, P. S., Putri, E. A. C., & Prasetya, R. E. (2018). Ovariektomi pada Tikus dan Mencit. *In Airlangga University Press*.

Restuti, A. N. setia, Yulianti, A., & Nuraini, N. (2018). Intervensi Bubuk Kakao Terhadap Perubahan Kadar Gula Darah Puasa Tikus Sprangue Dawley Diabetes Melitus. Jurnal Riset Kesehatan, 7(2), 57. https://doi.org/10.31983/jrk.v7i2.3646

Riastuti, A. D., Komarayanti, S., & Utomo, A. P. (2021). Karakteristik Morfologi

Biji Kopi Robusta (*Coffea Canephora*) Pascapanen di Kawasan Lereng Meru Betiri Sebagai Sumber Belajar SMK dalam Bentuk E-Modul. Jurnal Ilmu Pendidikan, 5(2), 1–13.

Rissa, B., Salim, K., Wihandani, D. M., Nyoman, N., & Dewi, A. (2021). Obesitas Sebagai Faktor Risiko Terjadinya Peningkatan Kadar Trigliserida dalam Darah. 12(2), 519–523. https://doi.org/10.15562/ism.v12i2.1031

Saraswati, S. K., Rahmaningrum, F. D., Pahsya, M. N. Z., Wulansari, A., Ristantya, A. R., Sinabutar, B. M., Pakpahan, E., & Nandini, N. (2021). Faktor Risiko Penyebab Obesitas. 70–74.

Seliem, E. M., Azab, M. E., Ismail, R. S., Nafeaa, A. A., Alotaibi, B. S., & Negm, W. A. (2022). *Green Coffee Bean Extract Normalize Obesity-Induced Alterations of Metabolic Parameters in Rats by Upregulating Adiponectin and GLUT4 Levels and Reducing RBP-4 and HOMA-IR. Life,* 12(5). https://doi.org/10.3390/life12050693

Sembiring, L. K., Sipayung, R., & Irsal. (2018). Tanggap Pertumbuhan Bibit Kopi Robusta (*Coffea Robusta L.*) terhadap Berbagai Media Tanam dan Frekuensi Penyiraman. Jurnal Pertanian Tropik, 5(1), 158–169. https://doi.org/10.32734/jpt.v5i1.3150

Sindi, C., Fitriyasti, B., Mahatma, G., & Salmi, S. (2022). Penurunan Kadar Glukosa Darah Mencit (*Mus Musculus*) yang Diinduksi Hiperglikemia oleh Ekstrak Etanol Daun Sirsak (*Annona muricata L.*). EKOTONIA: Jurnal Penelitian Biologi, Botani, Zoologi Dan Mikrobiologi, 7(1), 23–30. https://doi.org/10.33019/ekotonia.v7i1.3140

Sinulingga, B. O. (2020). Pengaruh Konsumsi Serat dalam Menurunkan Kadar Trigliserida. Jurnal Penelitian Sains, 22(1), 9–15. http://ejurnal.mipa.unsri.ac.id/index.php/jps/article/download/556/554

Siregar, M. H., Fatmah, & Sartika, R. (2020). Analisis Faktor Utama Kadar Trigliserida Pada Penduduk Dewasa di Indonesia. Jurnal Delima Harapan,

7(2), 118–127.

Sudeep, H. V., & Shyam Prasad, K. (2021). *Supplementation of Green Coffee Bean Extract in Healthy Overweight Subjects Increases Lean Mass/Fat Mass Ratio: A Randomized, Double-Blind Clinical Study. SAGE Open Medicine,* 9(14). https://doi.org/10.1177/20503121211002590

Suharyati. (2022). Penuntun Diet dan Terapi Gizi (4th ed.). Persatuan Ahli Gizi Indonesia dan Asosiasi Dietisien Indonesia.

Susanti, N., Rahmawati, E., & Kristanti, R. A. (2019). Efek Diet Tinggi Fruktosa terhadap Profil Lipid Tikus Rattus Rattus norvegicus Strain Wistar. *Journal of Islamic Medicine*, 3(2), 26–35. https://doi.org/10.18860/jim.v3i2.8724

Triliana, R., Airlangga, H., & Kedokteran, F. (2018). Peran Gender dan Interval Puasa pada Profil Lipid. 7(2), 57–62.

Utama, Z., Ningrum, A., Mayangsari, Y., & Raharjo, S. (2024). A Comparison of Palm Oil, Beef Tallow, and Corn Oil Effect on Serum Glucose and Lipid Profile in Rats Fed a High-Fat Diet. AgriTECH, 44(2), 180. https://doi.org/10.22146/agritech.84359

Vats, A. (2022). *Pharmacological Properties of Green Coffee: A Review. The Pharma Innovation Journal,* 11(7), 2970–2976. www.thepharmajournal.com

Vekic, J., Zeljkovic, A., Stefanovic, A., Jelic-Ivanovic, Z., & Spasojevic-Kalimanovska, V. (2019). *Obesity and dyslipidemia. Metabolism: Clinical and Experimental*, 92, 71–81. https://doi.org/10.1016/j.metabol.2018.11.005

Virhananda, M. R. P., Suroso, E., Nurainy, F., Suharyono, Subek, & Satyajaya, W. (2022). Analisis Kadar Asam Klorogenat dan Kafein Berdasarkan Perbedaan Lokasi Penanaman dan Suhu Roasting pada Kopi Robusta *(C. canephora Pierre)*. 1(2), 245–252.

Wang, Z., Lam, K. L., Hu, J., Ge, S., Zhou, A., Zheng, B., Zeng, S., & Lin, S. (2019). *Chlorogenic Acid Alleviates Obesity and Modulates Gut Microbiota in High-Fat-Fed Mice. Food Science and Nutrition,* 7(2), 579–588.

https://doi.org/10.1002/fsn3.868

Yeh, J., Tung, Y., Yeh, Y., & Chien, Y. (2022). *Effects of Dietary Fatty Acid Composition on Lipid Metabolism and Body Fat Accumulation in Ovariectomized Rats. Nutrients*, 1–15.

Zindany, M. F., Kadri, H., & Almurdi, A. (2017). Pengaruh Pemberian Kopi terhadap Kadar Kolesterol dan Trigliserida pada Tikus Wistar (*Rattus novergiccus*). Jurnal Kesehatan Andalas, 6(2)

Zou, Y., Sheng, G., Yu, M., & Xie, G. (2020). *The Association Between Triglycerides and Ectopic Fat Obesity*. PLoS ONE, 15(11 November 2020), 1–13. https://doi.org/10.1371/journal.pone.024306