

DAFTAR PUSTAKA

- Anjani, P. P. (2018). Potensi Antidiabetes Ekstrak Okra Ungu (*Abelmoschus esculentus* L.) pada Tikus Model Diabetes yang Diinduksi Streptozotocin. *Institut Pertanian Bogor.*
- Anjani, P. P., Damayanthi, E., Rimbawan, & Handharyani, E. (2018). Potential of okra (*Abelmoschus esculentus* L.) extract to reduce blood glucose and malondialdehyde (MDA) liver in streptozotocin-induced diabetic rats. *Jurnal Gizi Dan Pangan*, 13(1), 47–54. <https://doi.org/10.25182/jgp.2018.13.1.47-54>
- Apsari, P. D., & Susanti, H. (2011). Perbandingan Kadar Fenolik Total Ekstrak Metanol Kelopak Merah Dan Ungu Bunga Rosella (*Hibiscus sabdariffa* Linn) Secara Spektrofotometri. *Seminar Nasional Home Care*, 73–78. <https://doi.org/10.12928/pharmaciana.v2i1.655>
- Arsana, P. M., Rosandi, R., Manaf, A., Budhiarta, A., Permana, H., Sucipta, K. W., Lindarto, D., Adi, S., Pramono, B., Harbuwono, D. S., Shahab, A., Sugiarto, Karimi, J., Purnomo, L. B., Yuwono, A., & Suhartono, T. (2015). Panduan pengelolaan dislipidemia di Indonesia. In *Pb. Perkeni*. <https://doi.org/10.1002/bit.22430>
- Brum, J. M. *et al.* (2016) ‘Satiety Effects of Psyllium in Healthy Volunteers’, *Appetite*. Elsevier Ltd, pp. 27–36. doi: 10.1016/j.appet.2016.04.041.
- Chen, J. P. *et al.* (2018) ‘Dietary Fiber and Metabolic Syndrome: A Meta-Analysis and Review of Related Mechanisms’, *Nutrients*, 10(24), pp. 1–17. doi: 10.3390/nu10010024.
- Chrisna, F. F., & Martini, S. (2016). Hubungan antara sindroma metabolik dengan kejadian stroke. *Jurnal Berkala Epidemiologi*, 4(1), 25–36. <https://doi.org/10.20473/jbe.v4i1.25-36>
- Dehghan, M. (2017). Associations of fats and carbohydrate intake with cardiovascular disease and mortality in 18 countries from five continents (PURE): a prospective cohort study. *The Lancet*, 390(10107), 2050–2062. [https://doi.org/10.1016/S0140-6736\(17\)32252-3](https://doi.org/10.1016/S0140-6736(17)32252-3)
- Espghan. (2013). Carbohydrates. *Journal of Pediatric Gastroenterology and Nutrition*, 41(November), 28–32.
- Fahy, E., Cotter, D., Sud, M., & Subramaniam, S. (2014). Lipid classification, structures and tools. *NIH Public Access, Biochim Biophys Acta*, 1811(11), 637–647. <https://doi.org/10.1016/j.bbapap.2011.06.009>. Lipid

- Fairudz, A., & Nisa, K. (2015). Pengaruh Serat Pangan terhadap Kadar Kolesterol Penderita Overweight. *Jurnal Majority*, 4(8), 121–126.
- Fatharanni, M. O., & Anggraini, D. I. (2017). Efektivitas Brokoli (Brassica Oleracea var. Italica) dalam Menurunkan Kadar Kolesterol Total pada Penderita Obesitas. *Majority*, 6(1), 64–71. <http://juke.kedokteran.unila.ac.id/index.php/majority/article/view/1533>
- Febriyatna, A., & Widiyawati, A. (2017). Tepung okra (Abelmoschus esculantus) menurunkan rasio kadar LDL terhadap HDL tikus hipercolesterolemia. *Jurnal Gizi Dan Dietetik Indonesia (Indonesian Journal of Nutrition and Dietetics)*, 5(1), 17–22. [https://doi.org/10.21927/ijnd.2017.5\(1\).17-22](https://doi.org/10.21927/ijnd.2017.5(1).17-22)
- Gemedi, H. F., Ratta, N., Haki, G. D., & Woldegiorgis, A. Z. (2014). Nutritional Quality and Health Benefits of Okra (Abelmoschus esculentus): A Review. *Global Journal of Medical Research: K Interdisciplinary*, 14(5). <https://doi.org/10.4172/2157-7110.1000458>
- Gibb, R. D. et al. (2015) ‘Psyllium fiber improves glycemic control proportional to loss of glycemic control: A meta-analysis of data in euglycemic subjects, patients at risk of type 2 diabetes mellitus, and patients being treated for type 2 diabetes mellitus’, *American Journal of Clinical Nutrition*, 102(6), pp. 1604–1614. doi: 10.3945/ajcn.115.106989.
- Gregersen, S. et al. (2012) ‘Inflammatory and Oxidative Stress Responses to High-Carbohydrate and High-Fat Meals in Healthy Humans’, *Journal of Nutrition and Metabolism*, 2012, p. 8 Pages. doi: 10.1155/2012/238056.
- Herowati, R. et al. (2020) ‘Antidiabetic Activity of Okra Fruit (Abelmoschus esculentus (L) Moench) Extract and Fractions in Two Conditions of Diabetic Rats’, *Indonesian Journal of Pharmacy*, 31(1), pp. 27–34. doi: 10.14499/indonesianjpharm31iss1pp27.
- Horikawa, C., Yoshimura, Y., Kamada, C., Tanaka, S., Tanaka, S., Matsunaga, S., Hanyu, O., Araki, A., Ito, H., Tanaka, A., Ohashi, Y., Akanuma, Y., & Sone, H. (2017). Is the proportion of carbohydrate intake associated with the incidence of diabetes complications?—an analysis of the Japan diabetes complications study. *Nutrients*, 9(113), 1–10. <https://doi.org/10.3390/nu9020113>
- IDAI. (2014). KONSENSUS IKATAN DOKTER ANAK INDONESIA: Diagnosis dan Tata laksana Sindrom Metabolik pada Anak dan Remaja. In *Idai* (Vol. 1).
- Indu, M. (2016). Fats & fatty acids in Indian diets: Time for serious introspection. *Indian Journal of Medical Research*, 144, 4, 507–514.
- Jain, N. et al. (2012) ‘A Review On : Abelmoschus Esculentus’, *Pharmacria*, 1(3), pp. 84–89.

Jarukamjorn, K. *et al.* (2016) 'A High-Fat , High-Fructose Diet Induces Antioxidant Imbalance and Increases the Risk and Progression of Nonalcoholic Fatty Liver Disease in Mice', *Scientifica*, 2016, p. 10 Pages. doi: <http://dx.doi.org/10.1155/2016/5029414>.

Jovanovski, E., Yashpal, S., Komishon, A., Zurbau, A., Mejia, S. B., Ho, H. V. T., Li, D., Sievenpiper, J., Duvnjak, L., & Vuksan, V. (2018). Effect of psyllium (*Plantago ovata*) fiber on LDL cholesterol and alternative lipid targets, non-HDL cholesterol and apolipoprotein B: A systematic review and meta-analysis of randomized controlled trials. *American Journal of Clinical Nutrition*, 108(5), 922–932. <https://doi.org/10.1093/ajcn/nqy115>

Jung, C. H., & Choi, K. M. (2017). Impact of high-carbohydrate diet on metabolic parameters in patients with type 2 diabetes. *Nutrients*, 9(322), 1–21. <https://doi.org/10.3390/nu9040322>

Jung, E. Y. *et al.* (2016) 'Anti-obese effects of chitosan and psyllium husk containing vitamin C in Sprague-Dawley (SD) rats fed a high fat diet', *Journal of Nutrition*, 18(2), pp. 152–160.

Karim, S. *et al.* (2010) 'Placebo controlled study of psyllium husk to increase HDL cholesterol', *Journal of Pharmacology*, pp. 1–6.

Kasiman, S. (2011). Komentar Pengaruh Makanan Pada Sindrom Metabolik. *J Kardiol Indones*, 32(1), 24–26.

Kassi, E., Pervanidou, P., Kaltsas, G., & Chrousos, G. (2011). Metabolic syndrome: definitions and controversies. *BMC Medicine*, 9(48), 1–13. <https://doi.org/10.1186/1741-7015-9-48>

Kaur, J. (2014). A Comprehensive Review on Metabolic Syndrome. *Cardiology Research and Practice*, 2014(5), 1. <https://doi.org/10.1155/2014/4301528>

Kemenkes, R. (2013). Penyajian Pokok-Pokok Hasil Riset Kesehatan Dasar 2013. *Riskesdas 2013*. www.litbang.depkes.go.id

Khomsug, P., Thongjaroe, W., Pakdeenaro, N., Suttajit, M., & Chantirati, P. (2010). Antioxidative Activities and Phenolic Content of Extracts from Okra (*Abelmoschus esculentus* L.). *Research Journal of Biological Sciences*, 5(4), 310–313. <https://doi.org/10.3923/rjbsci.2010.310.313>

Kim, M. *et al.* (2017) 'Anti-obesity effects of yellow catfish protein hydrolysate on mice fed a 45 % kcal high-fat diet', *International Journal of Molecular Medicine*, 40, pp. 784–800. doi: 10.3892/ijmm.2017.3063.

- Krisnansari, D., Kartasurya, M. I., & Rahfiludin, M. Z. (2011). Suplementasi Vitamin E Dan Profil Lipid Penderita Dislipidemia: Studi Pada Pegawai Rumah Sakit Profesor Dokter Margono Soekarjo Purwokerto. *Media Medika Indonesiana*, 45(1), 16–25–25.
- Kumar, S., & Pandey, A. K. (2013). Chemistry and Biological Activities of Flavonoids: An Overview Shashank. *The Scientific World Journal*, 58(4), 1–13. <http://dx.doi.org/10.1155/2013/162750>
- Lilany, E. I., Nurhaedar, J., & Najamuddin, U. (2014). Hubungan aktivitas fisik dan pola makan terhadap komponen sindrom metabolik pada pasien rawat jalan DM tipe 2 di Wilayah Kerja Puskesmas Kota Makassar. *Ilmu Gizi Fakultas Kesehatan Masyarakat Universitas Hasanuddin*.
- Majd, N. E., Tabandeh, M. R., Shahriari, A., & Soleimani, Z. (2018). Okra (*Abelmoscus esculentus*) Improved Islets Structure, and Down-Regulated PPARs Gene Expression in Pancreas of High-Fat Diet and Streptozotocin-Induced Diabetic Rats. *Cell Journal*, 20(1), 31–40. <https://doi.org/10.22074/cellj.2018.4819>
- Mamikutty, N. et al. (2014) ‘The Establishment of Metabolic Syndrome Model by Induction of Fructose Drinking Water in Male Wistar Rats’, *Research Article*, 2014, pp. 1–8. doi: <http://dx.doi.org/10.1155/2014/263897>
- Monika, A. P., & Lestariyana, W. (2014). Pengaruh Pemberian Kombinasi Kuersetin Dan Glibenklamid Terhadap Kadar Kolesterol Ldl Pada Tikus Diabetes Melitus Tipe 2. *Jurnal Kedokteran Dan Kesehatan Indonesia*, 6(1), 28–37. <https://doi.org/10.20885/jkki.vol6.iss1.art5>
- Mutiyani, M., Soeatmadji, D. W., & Sunindya, B. R. (2014). Efek Diet Tinggi Karbohidrat dan Diet Tinggi Lemak terhadap Kadar Glukosa Darah dan Kepadatan Sel Beta Pankreas pada Tikus Wistar. *Indonesian Journal of Human Nutrition*, 1(2), 106–113. www.ijhn.ub.ac.id
- Nurmasitoh, T. et al. (2018) ‘Intermittent fasting decreases oxidative stress parameters in Wistar rats (*Rattus norvegicus*)’, *Universa Medicina*, 37(1), pp. 31–38. doi: 10.18051/univmed.2018.v37.31-38.
- Olivia, Z., & Agustini, R. (2019). Pengaruh Pemberian Sekam Psyllium (Psyllium Husk) Terhadap Kadar LDL Dan Kadar HDL Tikus Putih (*Rattus Norvegicus*) Galur Wistar Hipercolesterolemia. *Jurnal Kesehatan*, 7(2), 75–81. <https://doi.org/10.25047/j-kes.v7i2.93>
- Osman, M. T. et al. (2016) ‘Investigation of Oxidative Stress Status in Metabolic Syndrome Patients Using Lipid Peroxidation Biomarkers’, *International Archives of Medicine*, 9(8), pp. 1–9. doi: 10.3823/1879.

- Panchal, S. K. and Brown, L. (2011) ‘Rodent Models for Metabolic Syndrome Research’, *Journal of Biomedicine and Biotechnology*, (351982), p. 14. doi: 10.1155/2011/351982.
- Panchal, S. K. and Poudyal, H. (2011) ‘High-carbohydrate , High-fat Diet – induced Metabolic Syndrome and Cardiovascular Remodeling in Rats’, *Journal Cardiovascular Pharmacology*, 57(5), pp. 611–624.
- Pramono, A., Kesuma, S. U., Tazkiana, N. H., & Yunita, R. A. (2011). Pengaruh Rebusan Daun Sukun (Artocarpus altilis) terhadap Kadar Trigliserida , Kolesterol Total dan Low Density Lipoprotein (LDL) Serum Darah Tikus Putih (*Rattus norvegicus*). *Mutiara Medika*, 11(3), 139–143. <https://doi.org/10.2307/1540319>
- Purbaningrum, L., & Orbayinah, S. (2012). Pengaruh kapsul Pleuratus ostreatus terhadap kadar kolesterol pada lanjut usia hiperkolesterolemia with hypercholesterolemia. *Mutiara Medika*, 12(2), 109–115.
- Rini, S. (2015). Sindrom Metabolik. *J MAJORITY*, 4(4), 88. <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Sindrom+Metabolik#1>
- Riwu, M., Subarnas, A., & Lestari, K. (2015). Korelasi Faktor Usia, Cara Minum, dan Dosis Obat Metformin terhadap Risiko Efek Samping pada Penderita Diabetes Melitus Tipe 2. *Jurnal Farmasi Klinik Indonesia*, 4(3), 151–161. <https://doi.org/10.15416/ijcp.2015.4.3.151>
- Riyanti, H., Simanjuntak, S. B. I. and Winarsi, H. (2014) ‘Aktivitas Glutation Peroksidase Dan Kadar Gula Darah Tikus Diabetes Yang Diberi Ekstrak Daun Kapulaga (*Amomum Cardamomum*)’, *Scripta Biologica*, 1(2), pp. 153–156. doi: <https://doi.org/10.20884/1.sb.2014.1.2.442>.
- Roy, A., Srivastava, S. L., & Mandal, S. M. (2014). Functional properties of Okra *Abelmoschus esculentus* L. (Moench): traditional claims and scientific evidences. *Plant Science Today*, 1(3), 121–130. <https://doi.org/10.14719/pst.2014.1.3.63>
- Sabitha, V. et al. (2011) ‘Antidiabetic and antihyperlipidemic potential of *Abelmoschus esculentus* (L.) Moench. in streptozotocin-induced diabetic rats’, *Journal of Pharmacy and Bioallied Sciences*, 3(3), p. 397. doi: 10.4103/0975-7406.84447.
- Sabour, H., Javidan, A. N., Soltani, Z., Mousavifar, S. A., Latifi, S., Razavi, S. H. E., & Ghodsi, S. M. (2016). The correlation between dietary fat intake and blood pressure among people with spinal cord injury. *Iran J Neurol*, 15(3), 121–127. <http://ijnl.tums.ac.ir>

- Saeed, H. M., Mirza, J. I., & Anjum, M. A. (2016). Glycinebetaine-induced modulation in some biochemical and physiological attributes of okra under salt stress. *Pakistan Journal of Botany*, 48(6), 2205–2210.
- Santawati, F. V. (2010). Hubungan asupan serat dengan beberapa faktor risiko penyakit kardiovaskuler. *Jurnal Gizi Kedokteran*.
- Setyanda, Y. O. G., Sulastri, D., & Lestari, Y. (2015). Hubungan Merokok dengan Kejadian Hipertensi pada Laki-Laki Usia 35-65 Tahun di Kota Padang. *Jurnal Kesehatan Andalas*, 4(2), 434–440. <https://doi.org/10.25077/jka.v4i2.268>
- Sirait, A. M., & Sulistiowati, E. (2014). Sindrom Metabolik Pada Orang Dewasa Di Kota Bogor, 2011-2012. *Media Penelitian Dan Pengembangan Kesehatan*, 24(2), 81–88. <https://doi.org/10.22435/mpk.v24i2.3565.81-88>
- Soewondo, P., Purnamasari, D., Oemardi, M., Waspadji, S., & Soegondo, S. (2010). Prevalence of Metabolic Syndrome Using NCEP / ATP III Criteria in Jakarta , Indonesia : The Jakarta Primar1. Dwipayana MP, Suastika K, Saraswati I, Gotera W, Budhiarta A, Sutanegara, et al. PREVALENSI SINDROMA METABOLIK PADA POPULASI PENDUDUK BALI, INDONE. *Acta Med Indones-Indones J Intern Med*, 42(4), 199–203.
- Subrahmanyam, G. V *et al.* (2011) ‘Antidiabetic Activity Of Abelmoschus Esculentus Fruit Extract’, *International Journal Of Research In Pharmacy and Chemistry*, 12(1), pp. 157–167.
- Sumardika, I. W., & Jawi, I. M. (2012). Ekstrak Air Daun Ubijalar Ungu Memperbaiki Profil Lipid dan Meningkatkan Kadar Sod Darah Tikus yang Diberi Makanan Tinggi Kolesterol. *Jurnal Ilmiah Kedokteran*, 43(2), 67–70.
- Syamsul, E. S., Nugroho, A. E., & Pramono, S. (2011). Aktivitas antidiabetes kombinasi ekstrak terpurifikasi herba Sambiloto (*Andrographis paniculata*(Burn.F.)Ness.) dan Metformin pada tikus DM tipe 2 resisten Insulin. *Majalah Obat Tradisional*, 16(3), 124–131.
- Ujiani, S. (2015). Hubungan Antara Usia dan Jenis Kelamin dengan Kadar Kolesterol Penderita Obesitas RSUD Abdul Moeloek Provinsi Lampung. *Jurnal Kesehatan*, 6(1), 43–48.
- Utami, R. P. (2018). Kandungan Gizi, Total Fenol, Kuersetin, dan Kapasitas Antioksidan Total pada Berbagai Pemasakan Okra (*Abelmoschus esculentus* L.). *Institut Pertanian Bogor*.
- Welinsa, F. *et al.* (2014) ‘Histopatologi Aorta Torasika Rattus Novergicus Strain Wistar Jantan Setelah 8 Minggu Pemberian Diet Aterogenik’, *Jom FK*, 2(1), pp. 1–11.

- Werdhasari, A. (2014). Peran Antioksidan Bagi Kesehatan. *Jurnal Biomedik Medisiana Indonesia*, 3(2), 59–68.
- Wong, S. K. et al. (2016) ‘Animal models of metabolic syndrome: a review’, *Nutrition and Metabolism*. Nutrition & Metabolism, 13(65), pp. 1–12. doi: 10.1186/s12986-016-0123-9.
- Wresdiyati, T., Hartanta, A. B., & Astawan, M. (2011). Tepung Rumput Laut (Eucheuma Cottonii) Menaikkan Level Superoksida Dismutase (Sod). *Jurnal Veteriner*, 12(2), 126–135.
- Yusfita, L. Y. (2018). HUBUNGAN PERILAKU SEDENTARI DENGAN SINDROM METABOLIK PADA PEKERJA. *The Indonesian Journal of Public Health*, 13(2), 143–155. <https://doi.org/10.20473/ijph.v13i1.2018.143-155>
- Zahtamal, Rochmah, W., Prabandari, Y. S., & Setyawati, L. (2014). Prevalensi Sindrom Metabolik pada Pekerja Perusahaan. *Kesmas: National Public Health Journal*, 9(2), 113. <https://doi.org/10.21109/kesmas.v9i2.499>
- Zaki, I., Johan, A., & W, N. S. (2015). Pengaruh pemberian jus mangga terhadap profil lipid dan malondialdehyde pada tikus yang diberi minyak jelantah. *Jurnal Gizi Indonesia*, 3(2), 108–115. <https://doi.org/10.14710/jgi.3.2.108-115>
- Zeinulina. (2014). Chapter I. Formation of Kazakh novel and creative work of Zh. Aimautov. *Life Science Journal*, 11(SPEC. ISSUE 5), 372–375. <https://doi.org/10.1186/s40064-016-3716-x>
- Zulfa, E., Nurkhasanah and Nurani, L. H. (2014) ‘Aktivitas Antioksidan Sediaan Nanopartikel Kitosan Ekstrak Etanol Rosela (Hibiscus Sabdariffa L .) Pada Tikus Hipertensi terhadap Aktivitas Enzim SOD’, *Kartika Jurnal Ilmiah Farmasi*, 2(1), pp. 7–14.