

DAFTAR PUSTAKA

- Abubakar, U., Wasagu, H. I., Mohammed, M. O., Tsamiya, R. I., Mohammed, I., Avwioro, O. G., Muhammad, A. T., Umar, A., Sani, S. M., Yale, B. M., Umar, S., & Imam, A. B. (2022). Effect of Biochemical Parameters and Histology of Liver on Sucrose-Induced Metabolic Syndrome in Wistar Rats. *Journal of Complementary and Alternative Medical Research*, 30–36.
- Adedeji, G., Fasanmade, A., & Olapade-Olaopa, E. (2017). Defining an Efficient Model for Inducing Obesity and Metabolic Syndrome in Wistar Rats. *Journal of Advances in Biology & Biotechnology*, 13(4), 1–9.
- Adeoye, B., Ngozi, E., & Olusesan Oyerinde, O. (2019). Effect of Sucrose and Date (*Phoenix dactylifera*) on Blood Sugar, Lipid Profile and Liver Function of Normal Wistar Rat. In *European Journal of Scientific Research* (Vol. 153, Issue 2).
- Alusinsing, G., Bodhi, W., & Sudewi, S. (2014). Uji Efektivitas Kulit Batang Kayu Manis (*Cinnamomum Burmanii*) Terhadap Penurunan Kadar Gula Darah Tikus Putih Jantan Galur Wistar (*Rattus Norvegicus*) Yang Diinduksi Sukrosa. In *Pharmacon Jurnal Ilmiah Farmasi-Unsrat* (Vol. 3, Issue 3).
- Amir, S. M. J. , W. Herlina. D. P. (2015). Kadar Glukosa Darah Sewaktu pada Pasien Diabetes Melitus Tipe 2 di Puskesmas Bahu Kota Manado. *Jurnal E-Biomedik*, 3(1), 32–40.
- Astawan, M. (2014). Evaluasi Nilai Gizi Karbohidrat. In *Tes Formatif*.
- Atkinson, F. S., Brand-Miller, J. C., Foster-Powell, K., Buyken, A. E., & Goletzke, J. (2021). International Tables Of Glycemic Index And Glycemic Load Values 2021: A Systematic Review. In *American Journal Of Clinical Nutrition* (Vol. 114, Issue 5, Pp. 1625–1632). Oxford University Press.
- Azhar, M. (2016). *Biomolekul Sel Karbohidrat, Protein, dan Enzim* (Y. Ahda, Ed.). Unp Press Padang.
- Baroroh, F., Aznam, N., & Susanti, H. (2011). Uji Efek Antihiperqlikemik Ekstrak Etanol Daun Kacapiring (*Gardenia augusta*, Merr) pada Tikus Putih Jantan Galur Wistar.
- Burgeiro, A., Cerqueira, M. G., Varela-Rodríguez, B. M., Nunes, S., Neto, P., Pereira, F. C., Reis, F., & Carvalho, E. (2017). Glucose and Lipid Dysmetabolism in a Rat Model of Prediabetes Induced by a High-Sucrose Diet. *Nutrients*, 9(6).

- Cruz, E. M. S., Morais, J. M. B. De, Rosa, C. V. D. Da, Simoes, M. D. S., Comar, J. F., Chuffa, L. G. D. A., & Seiva, F. R. F. (2020). Long-Term Sucrose Solution Consumption Causes Metabolic Alterations And Affects Hepatic Oxidative Stress In Wistar Rats. *Biology Open*, 9(3).
- Darmadi, H. (2014). *Metode Penelitian Pendidikan dan Sosial: (Teori Konsep Dasar dan Implementasi)* (1st ed., Vol. 1). Alfabeta.
- Ehsanifard, Z., Mir-Mohammadrezaei, F., Safarzadeh, A., & Ghobad-Nejhad, M. (2017). Aqueous Extract Of *Inocutis Levis* Improves Insulin Resistance And Glucose Tolerance In High Sucrose-Fed Wistar Rats Implication For Health Policy/Practice/Research/Medical Education: Articleinfo. In *Journal of Herbmed Pharmacology J Herbmed Pharmacol* (Vol. 6, Issue 4).
- Farid, M. (2014). Pengaruh Hiperglikemia terhadap Gambaran Histopatologis Pulau Langerhans Mencit. *Jurnal Kesehatan Andalas*, 3(3), 420–428.
- Fatimah, R. N. (2015). Diabetes Mellitus Tipe 2. *Majority*, 4(5), 93–101.
- Febrilian, O. V., & Pujiastuti, E. (2017). Uji Efektivitas Ekstrak Buah Parijoto (*Medinilla speciosa blume*) Terhadap Kadar Glukosa Darah Pada Tikus Putih Wistar Yang Dibebani Sukrosa. *Prosiding Hefa*.
- Fourny, N., Lan, C., Bernard, M., & Desrois, M. (2021). Male And Female Rats Have Different Physiological Response To High-Fat High-Sucrose Diet But Similar Myocardial Sensitivity To Ischemia-Reperfusion Injury. *Nutrients*, 13(9).
- Fox, C., & Kilvert, A. (2010). *Bersahabat dengan Diabetes Tipe 2. Penebar Plus*.
- Franke, S. I. R., Molz, P., Mai, C., Ellwanger, J. H., Zenkner, F. F., Horta, J. A., & Prá, D. (2017). High consumption of sucrose induces DNA damage in male wistar rats. *Anais Da Academia Brasileira de Ciencias*, 89(4), 2657–2662.
- Ganong, W. F. (2019). *Buku Ajar Fisiologi Kedokteran* (26th ed.). McGraw-Hill.
- Guyton and Hall. (2021). *Buku Ajar Fisiologi Kedokteran* (14th ed.). EGC.
- Hanum, R. G. (2017). *Biokimia Dasar* (S. B. Sartika, Ed.; 1st ed., Vol. 1). Umsida Press.
- International Diabetes Federation. (2019). *IDF Diabetes Atlas* (9th ed.).

- Kasengke, J., Assa, Y. A., & Paruntu, M. E. (2015). Gambaran Kadar Gula Sesaat Pada Dewasa Muda Usia 20-30 Tahun Dengan Indeks Massa Tubuh (Imt) \geq 23 Kg/M². *Jurnal E-Biomedik*, 3(3), 851–855.
- Kementrian Kesehatan Republik Indonesia. (2018). Hasil Utama Riskesdas 2018.
- Kendig, M. D., Boakes, R. A., Rooney, K. B., & Corbit, L. H. (2013). Chronic Restricted Access To 10% Sucrose Solution In Adolescent And Young Adult Rats Impairs Spatial Memory And Alters Sensitivity To Outcome Devaluation. *Physiology And Behavior*, 120, 164–172.
- Kondoy, S., Wullur, A., & Bodhi, W. (2013). Potensi Ekstrak Etanol Daun Kayu Manis (*Cinnamomum Burmanii*) Terhadap Penurunan Kadar Glukosa Darah Dari Tikus Putih Jantan (*Rattus Norvegicus*) Yang Di Induksi Sukrosa. *Pharmacon Jurnal Ilmiah Farmasi-Unsrat*.
- Kurniawan, I. (2010). Diabetes Melitus Tipe 2 pada Usia Lanjut. *Journal of The Indonesian Medical*, 60(12), 576–584.
- Lima, M. L. R. P., Leite, L. H. R., Gioda, C. R., Leme, F. O. P., Couto, C. A., Coimbra, C. C., Leite, V. H. R., & Ferrari, T. C. A. (2016). A Novel Wistar Rat Model Of Obesity-Related Nonalcoholic Fatty Liver Disease Induced By Sucrose-Rich Diet. *Journal Of Diabetes Research*, 2016.
- Maciejczyk, M., Matczuk, J., Żendzian-Piotrowska, M., Niklińska, W., Fejfer, K., Szarmach, I., Ładny, J. R., Zieniewska, I., & Zalewska, A. (2018). Eight-Week Consumption Of High-Sucrose Diet Has A Pro-Oxidant Effect And Alters The Function Of The Salivary Glands Of Rats. *Nutrients*, 10(10).
- Manti Battung, S., Salam, A., Novrianti, D., Ayu, R., & Ajie, K. (2019). Efek Diet Tinggi Karbohidrat Terhadap Glukosa Darah Dan Berat Badan Tikus Wistar The Effect Of High Carbohydrate Diet To Blood Glucose Level And Body Weight In Rats. In *Jgmi: The Journal Of Indonesian Community Nutrition* (Vol. 8, Issue 2).
- Manurung, S., Barung, E., & Bodhi, W. (2012). Efek Antihiperqlikemia Dari Ekstrak Kulit Buah Manggis (*Garcinia Mangostana L.*) Terhadap Tikus Putih Jantan Galur Wistar (*Rattus Norvegicus L.*) Yang Diinduksi Sukrosa.
- Marewa, L. W. (2015). *Kencing Manis (Diabetes Mellitus) di Sulawesi Selatan: Vol. viii*. Yayasan Obor Indonesia.
- Maryam, S. (2016). *Gizi dalam Kesehatan Reproduksi (1st ed.)*. Salemba Medika.

- Mašek, T., Filipović, N., Vuica, A., & Starčević, K. (2017). Effects Of Treatment With Sucrose In Drinking Water On Liver Histology, Lipogenesis And Lipogenic Gene Expression In Rats Fed High-Fiber Diet. *Prostaglandins Leukotrienes And Essential Fatty Acids*, 116, 1–8.
- Mašek, T., & Starčević, K. (2017). Lipogenesis And Lipid Peroxidation In Rat Testes After Long-Term Treatment With Sucrose And Tannic Acid In Drinking Water. *Andrologia*, 49(4).
- Mikszutowicz, V., Morales, C., Zago, V., Friedman, S., Schreier, L., & Berg, G. (2014). Effect Of Insulin-Resistance On Circulating And Adipose Tissue MMP-2 And MMP-9 Activity In Rats Fed A Sucrose-Rich Diet. *Nutrition, Metabolism And Cardiovascular Diseases*, 24(3), 294–300.
- Mohammed, M. O., Isah, M., Okechi, O. O., Muhammad, A. T., Tsamiya, R. I., Abubakar, U., Mohammed, I., Avwioro, O. G., Umar, A., Sani, S. M., Bello, B. A., Ngaski, A. A., Bunza, J. M., Kabir, H., Abdulaziz, A., Jelani, I., Ajayi, A. S., Dogondaji, F. A., Ma'aruf, A. Y., ... Nnadozie, E. E. (2020). Article no.AJRRU.60525 Original Research Article Mohammed et al. In *Asian Journal of Research and Reports in Urology* (Vol. 3, Issue 3).
- Mufti T, Danajaya R, & Yuniarti L. (2014). Perbandingan Peningkatan Kadar Glukosa Darah Setelah Pemberian Madu, Gula Putih, dan Gula Merah pada Orang Dewasa Muda yang Berpuasa. *Prosiding Penelitian Sivitas Akademika Unisba*.
- PERKENI. (2021). *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia* (1st ed., Vol. 1). PB Perkeni.
- Plazas Guerrero, C. G., Acosta Cota, S. D. J., Castro Sánchez, F. H., Vergara Jiménez, M. D. J., Ríos Burgueño, E. R., Sarmiento Sánchez, J. I., Picos Corrales, L. A., & Osuna Martínez, U. (2021). Evaluation of sucrose-enriched diet consumption in the development of risk factors associated to type 2 diabetes, atherosclerosis and non-alcoholic fatty liver disease in a murine model. *International Journal of Environmental Health Research*, 31(6), 651–669.
- Prasetyo, A., Denashurya, T. G., Putri, W. S., & Ilmiawan, M. I. (2016). Perbandingan Efek Hipoglikemik Infusa Daun Kembang Bulan (*Tithonia diversifolia* (Hamsley) A. Gray) dan Metformin pada Tikus yang Diinduksi Aloksan. *CDK-237*, 43(2).
- Putra, I. W. A., & Berawi, K. N. (2015). Empat Pilar Penatalaksanaan Pasien Diabetes Mellitus Tipe 2. *Majority*, 4(9), 8–12.

- Raini, M., & Isnawati, D. A. (2011). Kajian: Khasiat Dan Keamanan Stevia Sebagai Pemanis Pengganti Gula. *Media Litbang Kesehatan*, 21.
- Sampath, S., & Karundevi, B. (2014). Effect Of Troxerutin On Insulin Signaling Molecules In The Gastrocnemius Muscle Of High Fat And Sucrose-Induced Type-2 Diabetic Adult Male Rat. *Molecular And Cellular Biochemistry*, 395(1–2), 11–27.
- Siregar, N. S. (2014). Karbohidrat. *Jurnal Ilmu Kebugaran*, 13(2), 38–44.
- Suyono, S. (2014). *Diagnosis dan Klasifikasi Diabetes Melitus Buku Ajar Penyakit Dalam* (6th ed., Vol. 2). Interna Publishing.
- Togubu, S., Momuat, L. I., Paendong, J. E., & Salma, N. (2013). Aktivitas Antihiperlikemik dari Ekstrak Etanol dan Heksana Tumbuhan Suruhan (*Peperomia pellucida* [L.] Kunth) pada Tikus Wistar (*Rattus norvegicus* L.) yang Hiperlikemik. *Jurnal Mipa Unsrat Online*, 2(2), 109–114.
- Tükel, H. C., Alptekin, Ö., Turan, B., & Delilbaşı, E. (2015). Effects of metabolic syndrome on masseter muscle of male Wistar rats. *European Journal of Oral Sciences*, 123(6), 432–438.
- Virgen-Carrillo, C. A., Moreno, A. G. M., Rodríguez-Gudiño, J. J., & Pineda-Lozano, J. E. (2021). Feeding Pattern, Biochemical, Anthropometric And Histological Effects Of Prolonged Ad Libitum Access To Sucrose, Honey And Glucose-Fructose Solutions In Wistar Rats. *Nutrition Research And Practice*, 15(2), 187–202.
- Wahyudiati, D. (2017). *Biokimia* (E. M. Jayadi, Ed.; 1st ed., Vol. 1). LEPPIM Mataram.
- Wahyuni, S. (2017). *Biokimia Enzim dan Karbohidrat* (1st ed., Vol. 1). Unimal Press.
- World Health Organization (WHO). (2019). *Classification of Diabetes Mellitus 2019*. World Health Organization.
- Yazid, E. (2015). *Biokimia: Praktikum Analisis Kesehatan*. EGC.
- Yosmar, R., Almasdy, D., & Rahma, F. (2018). Survei Risiko Penyakit Diabetes Melitus terhadap Masyarakat Kota Padang. *Jurnal Sains Farmasi & Klinis*, 5(2), 134–141.
- Zahra Burhan, F., Sirajuddin, S., & Indriasari, R. (2013). Pola Konsumsi Terhadap Kejadian Obesitas Sentral Pada Pegawai Pemerintahan Di Kantor Bupati Kabupaten Jeneponto Consumption Pattern Towards The Incidence Of Central Obesity In Employee Of Government In Bupati Office Jeneponto.

