DAFTAR PUSTAKA

Amelinda, E., Widarta, I. W. R., & Darmayanti, L. P. T. (2018). Pengaruh Waktu Maserasi Terhadap Aktivitas Antioksidan Ekstrak Rimpang Temulawak (*Curcuma xanthorriza* Roxb.). *Jurnal Ilmu Dan Teknologi Pangan (ITEPA)*, 7(4), 165-174

Aykul S, & Martinez-Hackert E. (2016). Determination of half-maximal inhibitory concentration using biosensor-based protein interaction analysis. *Anal Biochem.* 508:97-103.

Beejmohun, V., Peytavy-Izard, M., Mignon, C., Muscente-Paque, D., Deplanque, X., Ripoll, C., & Chapal, N. (2014). Acute effect of Ceylon cinnamon extract on postprandial glycemia: Alpha-amylase inhibition, starch tolerance test in rats, and randomized crossover clinical trial in healthy volunteers. BMC Complementary and Alternative Medicine, 14(1), 1–11.

Berg B, Cortazar B, Tseng D, Ozkan H, Feng S, Wei Q, Chan RY, Burbano J, Farooqui Q, Lewinski M, Di Carlo D, Garner OB & Ozcan A. (2015). Cellphone-Based Hand-Held Microplate Reader for Point-of-Care Testing of Enzyme-Linked Immunosorbent Assays. *ACS Nano*, 9(8):7857-66.

Birt DF, Boylston T, Hendrich S, Jane JL, Hollis J, Li L, McClelland J, Moore S, Phillips GJ, Rowling M, Schalinske K, Scott MP, & Whitley EM. (2013). Resistant starch: promise for improving human health. *Adv Nutr*. 6;4(6):587-601.

Badan Pusat Statistik. (2020). *Indonesia Dalam Angka*. Jakarta: Badan Pusat Statistik Indonesia.

Budianto, N. E., & Hairullah. (2017). (*Solanum melongena L*) terhadap Penurunan Kadar Gula Darah Tikus Putih (*Rattus norvegicus*) yang Diinduksi Sukrosa. *Jurnal Ilmiah Kedokteran Wijaya Kusuma*, *6*(2), 14–20.

Campbell, L. K., White, J. R., & Campbell, R. K. (1996). Acarbose: Its role in the treatment of diabetes mellitus. *Annals of Pharmacotherapy*, *30*(11), 1255–1262.

Cahyani, I., & Kusumaningrum, S. D. (2017). Kakteristik Ibu Hamil dengan Hiperglikemia. *Higeia Journal of Public Health Research and Development,* 1(4), 131–142.

Cazzola, R., Camerotto, C., & Cestaro, B. (2011). Anti-oxidant, anti-glycant, and inhibitory activity against α-amylase and α-glucosidase of selected spices and culinary herbs. *International Journal of Food Sciences and Nutrition*, *62*(2), 175–184.

Dharma, M. A., Nocianitri, K. A., & Yusasrini, N. L. A. (2020). Pengaruh Metode Pengeringan Simplisia Terhadap Kapasitas Antioksidan Wedang Uwuh. J*urnal Ilmu Dan Teknologi Pangan (ITEPA)*, 9(1), 88.

Departemen Kesehatan RI. (1979). *Farmakope Indonesia.* Edisi III. Jakarta : Departemen Kesehatan Republik Indonesia.

Departemen Kesehatan RI. (2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat.* Jakarta: Departemen Republik Indonesia

Etsassala, N. G. E. R., Badmus, J. A., Marnewick, J. L., Iwuoha, E. I., Nchu, F., & Hussein, A. A. (2020). Alpha-glucosidase and alpha-amylase inhibitory activities, molecular docking, and antioxidant capacities of salvia aurita constituents. *Antioxidants*, *9*(11), 1–14.

Fakhirah, M. A., Banowati, N. D., Nurjanah, Y., Nurulaini, S. N., Muchtaridi, M., Rusdin, A., & Mardisanutol, H. T. (2023). In Silico Study of Black Pepper (*Piper nigrum L.*) Bioactive Compounds as Acetylcholinesterase (AChE) Enzyme Inhibitors in Alzheimer ' s Disease. *Journal of Biologcal Pharmacy, 3*(2), 106–119.

Firani. (2017). *Metabolisme Karbohidrat Tinjauan Biokimia Dan Patologis*. Malang: UB Press.

Gujarati, D.N., (2004). *Basic Econometrics,* Edisi ke 4. The McGraw-Hill : New York

Haguet Q, Le Joubioux F, Chavanelle V, Groult H, Schoonjans N, Langhi C, Michaux A, Otero YF, Boisseau N, Peltier SL, Sirvent P, & Maugard T. (2023). Inhibitory Potential of α-Amylase, α-Glucosidase, and Pancreatic Lipase by a Formulation of Five Plant Extracts: TOTUM-63. *Int J Mol Sci.* 11;24(4):3652.

Hakim, L. (2015). *Rempah dan Herba*. Yogyakarta : Dandra Pustaka Indonesia

Hasan, V., S. Astuti & Susilawati. (2011). Indeks Glikemik Oyek dan Tiwul dari Umbi Garut (*Marantha arundinaceae L.*), Suweg (*Amorphallus campanullatus BI*) dan Singkong (*Manihot utillisima*).*J. Teknologi Industri dan Hasil Pertanian.* 6(1): 34-50.

Hikmawanti, N. P. E., Hariyanti, H., Aulia, C., & Viransa, V. P. (2016). Kandungan Piperin Dalam Ekstrak Buah Lada Hitam Dan Buah Lada Putih (Piper Nigrum L.) Yang Diekstraksi Dengan Variasi Konsentrasi Etanol Menggunakan Metode Klt-Densitometri. Media Farmasi: *Jurnal Ilmu Farmasi,* 13(2), 173.

Infodatin. (2020). *Tetap Produktif, Cegah, dan atasi Diabetes-Melitus*. Jakarta: Kementerian Kesehatan

Istikhomah. (2018). Uji Aktivitas Ekstrak Etanol 70% Daun Lidah Mertua (*Sansevieria trifasciata* Prain.) Dalam Menghambat Enzim α-Amilase Secara *In Vitro*. *Jurnal Ilmiah Farmasi*, 2(2), 146-152.

Judge, N, & Svensson, B., (2006). Review proteinaceous inhibitor of carbohydrate active enzymes in cereals: implication in agriculture, cereal processing and nutrition. *J Sci Food Agric,* 0022-5142.

Koji, T. (2000). Kemiri (Aleurites moluccana) and Forest Resource Management in Eastern Indonesia: An Eco-historical Perspective. *Journal of Antropologi Indonesia*, 2000, 165-185.

Kumar S, Sharma S, & Vasudeva N. (2013). Screening of antidiabetic and antihyperlipidemic potential of oil from Piper longum and piperine with their possible mechanism. *Expert Opin Pharmacother*. 14(13):1723-36.

Kusmiati & Agustini NWS. (2010). Pemanfaatan Limbah Onggok untuk Produksi Asam Sitrat dengan Penambahan Mineral Fe dan Mg pada substrat Menggunakan Kapang *Trichoderma sp.* dan *Aspergillus niger*. *Seminar Nasional Biologi.*

Magaña-Barajas E, Buitimea-Cantúa GV, Hernández-Morales A, Torres-Pelayo VDR, Vázquez-Martínez J, & Buitimea-Cantúa NE. (2021). *In vitro* α-amylase and α-glucosidase enzyme inhibition and antioxidant activity by capsaicin and piperine from Capsicum chinense and Piper nigrum fruits. *J Environ Sci Health B.* 56(3):282-291.

Marzel, R. (2020). Terapi pada Diabetes Mellitus Tipe 1. *Jurnal Penelitian Perawat Profesional*, *3*(1), 51–62.

McGee. H. (2004). *On Food and Cooking: The Science and Lore Of The Kitchen*. ISBN 978-0-684-80001-1.

Muliasari, H., & Permatasari, L. (2022). Studi awal uji aktivitas enzim amilase dari tumbuhan secara kualitatif berdasarkan perbedaan suhu dan konsentrasi substrat. *Journal of Agritechnology and Food Processing*, 2(1), 29.

Munadi, D. & Ardinata. (2008). Perubahan kadar glukosa darah penderita diabetes melitus tipe-2 yang terkontrol setelah mengkonsumsi kurma. *Majalah Kedokteran Nusantara.* 41(1):29-35.

Nahak, G. & R.K Sahu. (2011). Phytochemical Evaluation and Antioxidant Activity of Piper cubeba and Piper nigrum. *Journal of Applied Pharmaceutical Science.* Vol. 1. (8). 153-157.

Niu, D., Zuo, Z., Shi, G. Y., & Wang, Z. X. (2009). High yield recombinant thermostable α-amylase production using an improved *Bacillus licheniformis* system. *Microbial Cell Factories*, *8*, 58.

Nugroho, A.E. (2002). Pengaruh Estrak Air Buah Ketumbar (*Coriandrum sativum L.*) Terhadap Kadar Glukosa Darah Tikus Yang Dibebani Glukosa. *Majalah Farmasi Indonesia, XIII* (1). 13 (1), 7-11.

Oluwasegun, A., Ume, O., Nasiru, A., Gbolade, A., Peter, A., & Benjamin, G. (2019). Evaluation of antidiabetic and anti-lipid peroxidation potentials of leaves crude and solvent fractions of *Annona muricata* Linn (Annonaceae). *~ 3973 ~ Journal of Pharmacognosy and Phytochemistry*, *8*(3), 3973–3977.

Pandey, A., Nigam, P., Soccol, C. R., Soccol, V. T., Singh, D., & Mohan, R. (2000). Advances in microbial amylases. *Biotechnology and Applied Biochemistry*, 31(2), 135.

Park, K. H., Kim, T. J., Cheong, T. K., Kim, J. W., Oh, B. H., & Svensson, B. (2000). Structure, specificity and function of cyclomaltodextrinase, a multispecific enzyme of the α-amylase family. *Biochimica et Biophysica Acta - Protein Structure and Molecular Enzymology*, *1478*(2), 165–185.

Peyrot des Gachons, C., & Breslin, P. A. S. (2016). Salivary Amylase: Digestion and Metabolic Syndrome. *Current Diabetes Reports*, *16*(10),102.

Purwandari, R., Subagiyo, S., & Wibowo, T. (2018). Uji Aktivitas Antioksidan Ekstrak Daun Jambu Biji. *Walisongo Journal of Chemistry*, 1(2), 66-71.

Rahmadi, I., Nurdin, S. U., & Astuti, S. (2016). Pengaruh Ekstrak Daun Salam (*Syzygium Polyanthum (Wight.) Walp.*) Terhadap Tingkat Hidrolisis Pati, Aktivitas Antioksidan Dan Sifat Sensori Nasi Instan. J*urnal Teknologi Industri & Hasil Pertanian*, 21(1), 28–41.

Riskesdas. (2018). *Laporan Riset Kesehatan Dasar 2018 Nasional*. Lembaga Penerbit : Balitbangkes.

Rizza, R.A. (2010). Pathogenesis of fasting and postprandial hyperglycemia in type 2 diabetes: Implications for Therapy. *Diabetes Journal*; 5 9(1): 2697-2707

Roussel, A.M., I. Hininger, R. Benaraba, T.N. Ziegenfuss, & R.A. Anderson. (2009). Antioxidant Effects of a Cinnamon Extract in People with Impaired Fasting Glucose That are Overweight or Obese. *Journal of American College of Nutrition*, 28(1):16-21.

Sastrohamidjojo & Hardjono. (2005). *Kimia Organik, Sterokimia, Lemak, dan Protein.* Yogyakarta : Gadjah Mada University Press.

Sazci A. Radforda A. & Erenler K. (1986). Detection of Cellulolytic Fungi by Using Congo red as an Indicator: a Comparative Study with Dinitrosalicyclic Acid The Reagent Method. *Journal of Applied Bacteriology* 61.559-562.

Sediaoetama. A.D. (2008) . *Ilmu Gizi Untuk Mahasiswa Dan Profesi.* Jilid 1. Jakarta: Penerbit Dian Rakyat.

Singh, S. (2021). Piperine: An Effective Bioenhancer for Drug Absorption. *Pharmaceutical Drug Regulatory Affairs Journal,* 4(1), 1–3.

Soelistijo, S. (2021). *Pedoman Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia*. Jakarta: PB Perkeni.

Suarni & Rauf P. (2007). Potensi Kecambah Kacang Hijau sebagai Sumber Enzim α- Amilase. Dalam: *Journal Chemistry.* 7(3): 332–336.

Suwandi, J. F. (2009). Aktivitas Anti Plasmodium *In Vivo* Terhadap Pertumbuhan Plasmodium berghei Pada Mencit. *Jurnal Sains MIPA*, 15(3), 207–210.

Tandra, H. (2017). *Segala Sesuatu Yang Harus Anda Ketahui Tentang Diabetes.* Jakarta: Gramedia Pustaka Utama

Tantriska, W. (2021). Literature Review: Kandungan Metabolit Sekunder Beberapa Tanaman Yang Berkhasiat Sebagai Antidiabetik. *Jurnal Ilmiah JKA (Jurnal Kesehatan Aeromedika)*, 7(2), 36–44.

Tjahjani, S., Fenny, dan F. Onggirawan. 2014. Efek Ekstrak Etanol Kayu Manis (Cinnamommum burmanni) terhadap Penurunan Kadar Glukosa dalam Darah. *(Artikel Penelitian)*. Bandung: Universitas Kristen Maranatha.

Tjekyan, R. M. S. (2014). Angka Kejadian dan Faktor Risiko Diabetes Melitus Tipe 2. *Majalah Kedokteran Sriwijaya*, *46*(2), 85–94.

Trinoviani E, Kholisoh A, Ar-rifa NF, & Rustamsyah A. (2016). Aktivitas penghambatan α -glukosidase seduhan dan ekstrak etanol campuran formula terpilih teh putih dan stevia. *J Penelit Teh dan Kina.* 19(2):202–7.

Wahyuntari, B. (2011). Penghambat α-Amilase : Jenis, Sumber, dan Potensi Pemanfaatannya dalam Kesehatan. *Jurnal Teknologi dan Industri Pangan.* 12(2):197-201

Wahyuntari, B., M.N. & Tekol. (2012). Isolation of alpha amylase inhibitors from mungbean and soybean and inhibitory effect oh human salivary and porcine pancreatic amylase. *Jurnal sains dan teknologi Indonesia*. 14 (1): 12-16.

Watcharachaisoponsiri, T., Sornchan, P., Charoenkiatkul, S., & Suttisansanee, U. (2016). The α-glucosidase and α-amylase inhibitory activity from different chili pepper extracts. *International Food Research Journal*, 23(4), 1439–1445.

Widhyasari, L. M., Dwi Putri, N. L., & Parwati, P. A. (2019). Penentuan Kadar Karbohidrat Pada Nasi Putih Dalam Proses Pemanasan Rice Cooker Dengan Variasi Waktu Determination. *Jurnal STIKES Wira Medika Bali*, 4(1), 115–125.

Winarno, F.G. (2010). *Enzim Pangan*. Bogor : M-Brio Press.

Wongsa, P., Chaiwarit, J., & Zamaludien, A. (2012). *In vitro* screening of phenolic compounds, potential inhibition against α-amylase and α-glucosidase of culinary herbs in Thailand. *Food Chemistry*, *131*(3), 964–971.

You Q, Feng C, Xi W, Yueming J, Songyi L. (2012). Antidiabetic Activities of Phenolic Compounds In Muscadine Against α-Glucosidase and Pancreatic Lipase. Dalam: *LWT-Food Science and Technology*, 14(4), 729-737.

Yulianty, O., & Nugroho, R. A. (2015). Efek EKstrak Biji Ketumbar Terhadap Histologi Pankreas Mencit Diabetik Aloksan. *Jurnal Universitas Mulawarman*, 1(2), 12–16.