

## DAFTAR PUSTAKA

- Adelakun OE, Ade-Omowaye BIO, Adeyemi IA, Van De Venter M. 2010, Functional properties and mineral contents of a Nigerian okra seed (*Abelmoschus esculentus Moench*) flour as influenced by pretreatment. *Journal of Food Technology* 8: 39-45. Doi [10.11648/j.ijnfs.20150402.22](https://doi.org/10.11648/j.ijnfs.20150402.22)
- American Diabetes Association*, 2008, Diagnosis and Classification of Diabetes Mellitus. *Diabetes Care*. 31(1): S62-S67. doi:[10.2337/dc10-S062](https://doi.org/10.2337/dc10-S062)
- American Diabetes Association*, 2017, Classification and diagnosis of diabetes. Sec. 2. In *Standards of Medical Care in Diabetes*. *Diabetes Care*, 40(Suppl. 1):S11–S24 DOI: [10.2337/dc17-S005](https://doi.org/10.2337/dc17-S005)
- Amin, I. M. 2011, Nutritional Properties of *Abelmoschus Esculentus* as Remedy to Manage Diabetes Mellitus : A Literature Review. *International Conference on Biomedical Engineering and Technology IPCBEE (2011) IACSIT Press, Singapore, 11*, 50–54. Retrieved from <http://www.ipcbee.com/vol11/10-T022.pdf>. doi:[10.7763/IPCBEE](https://doi.org/10.7763/IPCBEE)
- Badan Penelitian dan Pengembangan Kesehatan, 2013, Riset Kesehatan Dasar (RISKESDAS), Laporan Nasional 2013, 1-384. 1 Desember 2013.
- Bansal, P., Paul, P., Mudgal, J., Nayak, P.G., *et al.*, 2012, Antidiabetic, antihyperlipidemic and anti-oxidant effects of the flavonoid rich fraction of *Pilea microphylla* (L.) in high fat diet/streptozotocin induced diabetes in mice. *Exp Toxicol Pathol.* 64(6):651-8 DOI: [10.1016/j.etp.2010.12.009](https://doi.org/10.1016/j.etp.2010.12.009)
- Bennett, P., 2008, *Epidemiology of Type 2 Diabetes Mellitus*. Philadelphia: Lippincott Willam & Wilkins. 43(1):544-7.
- Benoit, V., Bruno, G., Nieves, S., *et al.*, 2012. Cellular and molecular mechanisms of metformin: an overview. *Clinical Science*. 122, 253–270 (Printed in Great Britain) doi:[10.1042/CS20110386](https://doi.org/10.1042/CS20110386) .
- Bertram G. Katzung, Susan Masters, A.T., 2009, Pharmacokinetics and pharmacodynamics. *Basic and Clinical Pharmacology*, pp.62–104.
- Buraerah, Hakim. 2010. Analisis Faktor Resiko Diabetes Melitus tipe 2 di Puskesmas Tanrutedong, Sidenreg Rappan. *Jurnal Ilmiah Nasional*. 2010 [cited 2010 feb 2017] Available from : <http://lib.atmajaya.ac.id/default.aspx?tabID=61&scr=a&id=186192>

- Carson, A. P., Munter P, Selvin E, *et al.*, 2016, Do glycemic marker levels vary by race? Differing results from a cross-sectional analysis of individual with and without diagnosed diabetes. *BMJ Open Diabetes Res Care*;4:e000213
- Dahlan, S. 2011, *Statistik Untuk Kedokteran dan Kesehatan* (5th ed.). Jakarta : Salemba Medika.
- Deeds MC, Anderson JM, Armstrong AS, Gastineau DA, Hiddinga HJ, Jahangir A, Eberhardt NL, Kudva YC., 2011, Single dose streptozotocin-induced diabetes: considerations for study design in islet transplantation models. *Lab. Anim.* 45, 131–140. doi: 10.1258/la.2010.010090
- Departement of Biotechnology Ministry of Science and Technology Government of India. 2011, *Biology of Okra. Series of Crop Specific Biology*. India. Retrieved from [dbtbiosafety.nic.in/guidelines/okra.pdf](http://dbtbiosafety.nic.in/guidelines/okra.pdf)
- Gemedé, HF., Ratta, N., Haki, GD., Woldegiorgis, AZ., Beyene, F., 2015, Nutritional Quality and Health Benefits of Okra (*Abelmoschus esculentus*): A Review. *J Food Process Technol* 6: 458. Doi:10.4172/2157-7110.1000458
- Gerstein, H., Miller, ME., Byington, RP., 2008, Effects Of Intensive Glucose Lowering in Type 2 Diabetes. *The New England Journal* Vol. 358 No. 24, pp. 2545-2559 doi: 10.1056/NEJMoa0802743
- Herman WH, Ma Y, Uwaifo G, *et al.*, 2007, Diabetes Prevention Program Research Group. Differences in A1C by race and ethnicity among patients with impaired glucose tolerance in the Diabetes Prevention Program. *Diabetes Care*;30:2453–2457. doi: [10.2337/dc06-2003](https://doi.org/10.2337/dc06-2003)
- International Expert Committee. 2007, International Expert Committee report on the role of the A1c assay in the diagnosis of diabetes. *Diabetes Care*;32:1327-1334. <https://doi.org/10.2337/dc09-9033>
- Jain, N., Jain, R., 2012, A REVIEW ON: *Abelmoschus esculentus*., *PHARMACIA* Vol. I. Issue 3 june 2012. ISSN 0976-9692
- Konstantinos M., Loukia, S., 2011, Is There a Relationship between Mean Blood Glucose and Glycated Hemoglobin?. *Journal of Diabetes Science and Technology* Volume 5, Issue 6, November.
- Li HT, Wu XD, Davey AK, Wang J., 2011, Antihyperglycemic effects of baicalin on streptozotocin – nicotinamide induced diabetic rats. *Phytother. Res.* 25, 189–194. doi: 10.1002/ptr.3238.
- Mahajan, R.D., Mishra, B., 2011, Using Glicated Haemoglobin HbA1c for diagnosis of Diabetes mellitus: An indian perspective, *Int J Biol Med Res*; 2(2): 508-12

- Marc, F., Bruno, G., Luc, B., Michael, P. et al., 2014. Review Metformin: From Mechanisms of Action to Therapies. *Cell Metabolism* 20, December 2, Elsevier Inc. <http://dx.doi.org/10.1016/j.cmet.2014.09.018>
- Masur K, Thévenod F, Zänker KS., 2008, (eds): Diabetes and Cancer. Epidemiological Evidence and Molecular Links. *Front Diabetes*. Basel, Karger;19: 1–18. DOI:10.1159/isbn.978-3-8055-8641-2
- Matsui, T., Tanaka, T., Tamura, S., Toshima, A., Tamaya, K., Miyata, Y., et al., 2007.  $\alpha$ -Glucosidase inhibitory profile of catechins and theaflavins. *J Agric Food Chem*. 55(1):99-105.doi:[10.1021/jf0627672](https://doi.org/10.1021/jf0627672)
- Menke, A. *et al.*, 2015. Prevalence of and Trends in Diabetes Among Adults in the United States, 1988-2012. *Journal of the American Medical Association*, 314(10), pp.1021–1029. doi: 10.1001/jama.2015.10029.
- Nasir, NM., Theverajah M & Yean CY, 2010. Hemoglobin variants detected by hemoglobin A1c (HbA1c) analysis and the effects on HbA1c measurement, *Int J Diabetes Dev Ctries*. 30(2): 86-90. doi: 10.4103/0973-3930.62598.
- Ong, KW., Hsu, A., Song, L., Huang, D., Tan, BK., 2011. Polyphenols rich *Vernonia amygdalina* shows anti-diabetic effects in streptozotocin induced diabetic rats. *J Ethnopharmacol*. 133(2):598-607. doi: 10.1016/j.jep.2010.10.046.
- Pandya KG, Patel MR, Lau-Cam., 2016. CA: Comparative study of the binding characteristics to and inhibitory potencies towards PARP and in vivo antidiabetogenic potencies of taurine, 3-aminobenzamide and nicotinamide. *J. Biomed. Sci*. 17 Suppl 1, S16. doi: 10.1186/1423-0127-17-S1-S16.
- Palsamy P, Subramanian S., 2009. Modulatory effects of resveratrol on attenuating the key enzymes activities of carbohydrate metabolism in streptozotocin-nicotinamide-induced diabetic rats. *Chem. Biol. Interact*. 179, 356–362 DOI: [10.1016/j.cbi.2008.11.008](https://doi.org/10.1016/j.cbi.2008.11.008)
- Palsamy P, Subramanian S., 2010. Ameliorative potential of resveratrol on proinflammatory cytokines, hyperglycemia mediated oxidative stress, and pancreatic beta-cell dysfunction in streptozotocin-nicotinamide-induced diabetic rats. *J. Cell. Physiol*. 224, 423–432. doi: 10.1002/jcp.22138.
- Peck, G.R., Chavez, J.A., Roach, W.G., Budnik, B.A., Lane, W.S., Karlsson, H.K., Zierath, J.R., Lienhard, G.E., 2009. Insulin-stimulated phosphorylation of the Rab GTPaseactivating protein TBC1D1 regulates GLUT4 translocation. *J. Biol. Chem.*, 284(44):30016-30023. [doi:10.1074/jbc.M109.035568]

- PERKENI. 2011. Konsensus Pengendalian dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia. Semarang : PB Perkeni.
- Ray, J. *et al.*, 2013. Exploratory Investigation On The Hypoglycemic Effect Of *Abelmoschus Esculentus* In Mice. *International Journal of Scientific & Technology Research*, 2(11), pp.249–253. Available at: [www.ijstr.org](http://www.ijstr.org). ISSN 2277-8616
- Restyana, Noor F., 2015. Diabetes Mellitus Tipe 2. J Majority Vol.4 No.5
- Roy, A., Shrivasta, S. L., & Mandal, S. M., 2014. Functional properties of Okra *Abelmoschus esculentus* L. (Moench): traditional claims and scientific evidence. *Plant Science Today* 1 (3): 121-130. <http://dx.doi.org/10.14719/pst.2014.1.3.63>
- Sabitha, V., Ramachandran, S., Naveen, K. R., Panneerselvam, K., 2013. Antidiabetic and antihyperlipidemic potential of *Abelmoschus esculentus* (L.) Moench. In streptozotocin-induced rats. *Journal of Pharmacy and Bioallied Sciences*, 3(3), 397-402. <http://dx.doi.org/10.4103/0975-7406.84447>
- Szkudelski T: Streptozotocin-nicotinamide-induced diabetes in the rat. Characteristics of the experimental model. *Exp. Biol. Med.* (Maywood) 237, 481–490 (2012). doi: 10.1258/ebm.2012.011372
- Semaan, D.G., Igoli, J.O., Young, L., Marrero, E., Gray, A.I., Rowan, E.G., 2017. In vitro anti-diabetic activity of flavonoids and pheophytins from *Allophylus cominia* Sw on PTP1B, DPPIV, alpha-glucosidase and alpha-amylase enzymes. *J Ethnopharmacol.* 203(2017)39-46. doi: 10.1016/j.jep.2017.03.023.
- Sherwani, I. S., Khan, A. H., Ekhzaimy, A., Masood, A., Saakharkar, M., 2016. Significance of HbA1c Test in Diagnosis and Prognosis of Diabetic Patients. *Biomarker Insights*. 11(95-104). doi 10.4137/BMI.S38440
- Siminerio, L. M., Albanese-O'Neill A, Chiang JL, *et al.*, 2014. Care of young children with diabetes in the child care setting: a position statement of the American Diabetes Association. *Diabetes Care*;37:2834–2842. doi: [10.2337/dc15-1617](https://doi.org/10.2337/dc15-1617)
- Sudoyo, AW., Setiyohadi, B., Alwi, I., Simadibrata, M., Setiati, S., 2009. Buku Ajar Ilmu Penyakit Dalam jilid III edisi kelima, Jakarta : Interna Publishing. h1961
- Thanakosai, W., & Phuwapraisirisan, P. 2013. First identification of  $\alpha$ -glucosidase inhibitors from okra (*Abelmoschus esculentus*) seeds. *Natural Product Communications*. 8(8), 1058-8

- Trisnawati, S.K. & Setyorogo, S., 2013. Faktor Risiko Kejadian Diabetes Melitus Tipe II Di Puskesmas Kecamatan Cengkareng Jakarta Barat Tahun 2012. *Jurnal Ilmiah Kesehatan*, 5(1), pp.6–11.
- Yulia, R. *et al.*, 2015. *Risk Factors Poor Glycemic Control among Patients with Type 2 Diabetes Mellitus at the Primary Health Center of Kembiritan Banyuwangi* Vol.3 No.1, pp.81–87. Available at: <http://ojs.unud.ac.id/index.php/phpma/article/download/16677/10952>.
- Zhang, X., Gregg, E. W., Williamson, D.F. *et al.*, 2010. A1c Level and future risk of diabetes: a systematic review. *Diabetes Care*; 33:1665-1673 doi: 10.2337/dc09-1939.
- Ziemer, D. C., Kolm, P., Weintraub, W. S. *et al.*, 2010. Glucose-independent, black-white differences in hemoglobin A1c levels: a cross-sectional analysis of 2 studies. *Ann Intern Med*;152:770–777.doi: 10.7326/0003-4819-152-12-201006150-00004.