

## DAFTAR PUSTAKA

- Bamanikar, S. A., Bamanikar, A. A., & Arora, A. (2016). Study of Serum urea and Creatinine in Diabetic and non- diabetic patients in in a tertiary teaching hospital. *The Journal of Medical Research*, 2(1), 12–15.
- Bharti, S. K., Krishnan, S., Kumar, A., Rajak, K. K., Murari, K., Bharti, B. K., & Gupta, A. K. (2013). Antidiabetic activity and molecular docking of fructooligosaccharides produced by *Aureobasidium pullulans* in poloxamer-407-induced T2DM rats. *Food Chemistry*, 136(2), 813–821. <https://doi.org/10.1016/j.foodchem.2012.08.083>
- Brooks, L., Viardot, A., Tsakmaki, A., Stolarczyk, E., Howard, J. K., Cani, P. D., ... Bewick, G. A. (2017). Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansion to increase satiety. *Molecular Metabolism*, 6(1), 48–60. <https://doi.org/10.1016/j.molmet.2016.10.011>
- Chan, G. C. W., & Tang, S. C. W. (2016). Diabetic nephropathy: landmark clinical trials and tribulations. *Nephrology Dialysis Transplantation*, 31(3), 359–368. <https://doi.org/10.1093/ndt/gfu411>
- Chen, Z., Zhu, S., & Xu, G. (2016). Targeting gut microbiota: a potential promising therapy for diabetic kidney disease. *American Journal of Translational Research*, 8(10), 4009–4016.
- Dabla, P. K. (2010). Renal function in diabetic nephropathy. *World Journal of Diabetes*, 1(2), 48. <https://doi.org/10.4239/wjd.v1.i2.48>
- Damasceno, D. C., Netto, A. O., Iessi, I. L., Gallego, F. Q., Corvino, S. B., Dallaqua, B., ... Rudge, M. V. C. (2014). Streptozotocin-Induced Diabetes Models: Pathophysiological Mechanisms and Fetal Outcomes. *BioMed Research International*, 2014, 11. <https://doi.org/http://dx.doi.org/10.1155/2014/819065>
- Davis, C. D., & Milner, J. A. (2009). Gastrointestinal microflora, food components and colon cancer prevention. *Journal of Nutritional Biochemistry*, 20(10), 743–752. <https://doi.org/10.1016/j.jnutbio.2009.06.001>
- Gobinath, D., Madhu, A. N., Prashant, G., Srinivasan, K., & Prapulla, S. G. (2010). Beneficial effect of xylo-oligosaccharides and fructo-oligosaccharides in streptozotocin-induced diabetic rats. *British Journal of Nutrition*, 104(1), 40–47. <https://doi.org/10.1017/S0007114510000243>
- Hall, J. and Guyton, A. (2011). *Guyton and Hall textbook of medical physiology* (12<sup>th</sup> ed.). Philadelphia: Elsevier

- Harijono, Estiasih, T., Sunarharum, W. B., & Hartono, M. . (2013). Hypoglycemic effect of biscuits containing water-soluble polysaccharides from wild yam ( *Dioscorea hispida* Dennts ) or lesser yam ( *Dioscorea esculenta* ) tubers and alginate. *International Food Research Journal*, 20(5), 2279–2285.
- Harkness, J. E., Turner, P. V., VandeWoude, S., & Wheeler., C. L. (2013). *Harkness and Wagner's Biology and Medicine of Rabbits and Rodents* (Fifth). Ames, Iowa: John Wiley & Sons, Inc.
- Johnson, R. J., Feehally, J., & Floege, J. (2015). *Comprehensive Clinical Nephrology* (5th Edition). Philadelphia, PA: Elsevier Inc.
- Konieczna, I., Kwinkowski, M., Kolesi, B., Kami, Z., & Kaca, W. (2012). Bacterial Urease and its Role in Long-Lasting Human Diseases. *Current Protein & Peptide Science*, 13(8), 789–806. <https://doi.org/10.2174/1389203711213080008>
- Langham, R. G., Kelly, D. J., Gow, R. M., Zhang, Y., Cox, A. J., Qi, W., ... Gilbert, R. E. (2008). Increased renal gene transcription of protein kinase C- $\beta$  in human diabetic nephropathy: relationship to long-term glycaemic control. *Diabetologia*, 51(4), 668–674. <https://doi.org/10.1007/s00125-008-0927-x>
- Layden, B. T., Angueira, A. R., Brodsky, M., Durai, V., & Lowe Jr., W. L. (2013). Short chain fatty acids and their receptors: new metabolic targets. *Translational Research*, 161(3), 131–140. <https://doi.org/10.1016/j.trsl.2012.10.007>
- Lenzen, S. (2008). The mechanisms of alloxan- and streptozotocin-induced diabetes. *Diabetologia*, 51(2), 216–226. <https://doi.org/10.1007/s00125-007-0886-7>
- Lim, A. K. H. (2014). Diabetic nephropathy - Complications and treatment. *International Journal of Nephrology and Renovascular Disease*, 7, 361–381. <https://doi.org/10.2147/IJNRD.S40172>
- Lobo, A. R., Cocato, M. L., Jorgetti, V., de Sá, L. R. M., Nakano, E. Y., & Colli, C. (2009). Changes in bone mass, biomechanical properties, and microarchitecture of calcium- and iron-deficient rats fed diets supplemented with inulin-type fructans. *Nutrition Research*, 29(12), 873–881. <https://doi.org/10.1016/j.nutres.2009.10.012>

- Lopez, J. (2013). Carl A. Burtis, Edward R. Ashwood and David E. Bruns (eds): Tietz Textbook of Clinical Chemistry and Molecular Diagnosis (5th edition): Elsevier, St. Louis, USA, 2012, 2238 pp, 909 illustrations. ISBN: 978-1-4160-6164-9. *Indian Journal of Clinical Biochemistry*, 28(1), 104–105. <https://doi.org/10.1007/s12291-012-0287-7>
- Madhan, S. J., Malarvani, T., & Sathiyarayarayamurthy, S. (2016). Nephroprotective Effects of Cynodon dactylon Aqueous Extract in STZ Induced Diabetic Male Rats – Histological Study. *International Journal of Pharmacognosy and Phytochemical Research*, 8(11), 1812–1817.
- Mulrone, Susan, A. K. M. (2009). *Netter's Essential Physiology* (1st ed.). Philadelphia, PA: Saunders. <https://doi.org/10.1016/B978-1-4160-4196-2.50022-8>
- Muñoz-quezada, M. B. J. P. S., & Gil, C. G. A. (2012). Probiotic Mechanisms of Action. *Annals of Nutrition and Metabolism*, 61, 160–174. <https://doi.org/10.1159/000342079>
- Pagana, K. D., Pagana, T. J., & Pagana, T. N. (2015). *Mosby's Diagnostic & Laboratory Test Reference. Journal of Chemical Information and Modeling* (Vol. 53). <https://doi.org/10.1017/CBO9781107415324.004>
- Panwar, H., Rashmi, H. M., Batish, V. K., & Grover, S. (2013). Probiotics as the potential biotherapeutics in the management of Type 2 Diabetes – Prospects and Perspectives. *Diabetes/Metabolism Research and Reviews*, 29(2), 103–112. <https://doi.org/10.1002/dmrr.2376>
- Patel, S., & Goyal, A. (2012). The current trends and future perspectives of prebiotics research: a review. *3 Biotech*, 2(2), 115–125. <https://doi.org/10.1007/s13205-012-0044-x>
- Paun, A., Yau, C., & Danska, J. S. (2016). Immune recognition and response to the intestinal microbiome in type 1 diabetes. *Journal of Autoimmunity*, 71, 10–18. <https://doi.org/10.1016/j.jaut.2016.02.004>
- Ramirez-Farias, C., Slezak, K., Fuller, Z., Duncan, A., Holtrop, G., & Louis, P. (2009). Effect of inulin on the human gut microbiota: stimulation of *Bifidobacterium adolescentis* and *Faecalibacterium prausnitzii*. *The British Journal of Nutrition*, 101(4), 541–50. <https://doi.org/10.1017/S0007114508019880>
- Ranganathan, N., Ranganathan, P., Friedman, E. a, Joseph, A., Delano, B., Goldfarb, D. S., ... Guido, C. (2010). Pilot Study of Probiotic Dietary Supplementation for Promoting Healthy Kidney Function in Patients with Chronic Kidney Disease. *Advances in Therapy*, 27, 1–14. <https://doi.org/10.1007/s12325-010-0059>

- Rault-Nania, M. H., Demougeot, C., Gueux, E., Berthelot, A., Dzimira, S., Rayssiguier, Y., ... Mazur, A. (2008). Inulin supplementation prevents high fructose diet-induced hypertension in rats. *Clinical Nutrition*, 27(2), 276–282. <https://doi.org/10.1016/j.clnu.2008.01.015>
- Rodwell, V. W., Botham, K. M., Kennelly, P. J., Weil, P. A., & Bender, D. A. (2015). *Harper's illustrated biochemistry* (30th ed.). New York, N.Y.: McGraw-Hill Education LLC.
- Salgado, J. V., Neves, F. A., Bastos, M. G., França, A. K., Brito, D. J., Santos, E. M., & Filho, N. S. (2010). Monitoring renal function: measured and estimated glomerular filtration rates - a review Monitoring renal function: measured and estimated glomerular filtration rates - a review. *The Brazilian Journal of Medical and Biological Research*, 43(June), 528–536. <https://doi.org/10.1590/S0100-879X2010007500040>
- Sunarti, Kusuma, R. J., & Luglio, H. F. (2015). Dioscorea esculenta increase cytochrome c oxidase 1 expression and adenosine triphosphate in diabetic rats. *Mediterranean Journal of Nutrition and Metabolism*, 8(3), 217–224. <https://doi.org/10.3233/MNM-150047>
- Tarini, J., & Wolever, T. M. S. (2010). The fermentable fibre inulin increases postprandial serum short-chain fatty acids and reduces free-fatty acids and ghrelin in healthy subjects. *Applied Physiology, Nutrition, and Metabolism*, 35(1), 9–16. <https://doi.org/10.1139/H09-119>
- Vanessa, P., Alatríste, M., Arronte, R. U., Obet, C., Espinosa, G., Ángeles, M. D. L., ... Determinar, O. (2014). Effect of probiotics on human blood urea levels in patients with chronic renal failure. *Nutrición Hospitalaria*, 29(3), 582–590. <https://doi.org/10.3305/NH.2014.29.3.7179>
- Wang, F., Jiang, Y.-S., & Liu, F. (2016). The influence of mutant lactobacilli on serum creatinine and urea nitrogen concentrations and renal pathology in 5/6 nephrectomized rats. *Renal Failure*, 38(9), 1441–1447. <https://doi.org/10.1080/0886022X.2016.1227617>
- Winarti, S; Harmayani, E; Marsono, Y; Pranoto, Y. (2013). Effect of inulin isolated from lesser yam (*Dioscorea esculenta*) on the growth of probiotics bacteria and SCFA formation during fermentation. *International Research Journal of Microbiology*, 4(2), 53–63.
- Winarti, S., Harmayani, E., & Nurismanto, R. (2011). Karakteristik dan Profil Inulin Beberapa Jenis Uwi (*Dioscorea* spp.). *Agritech*, 31(4), 378–383.
- Winarti Sri, Harmayani eni, Marsono Yustinus, P. Y. (2013). Pengaruh Foaming Pada Pengeringan Inulin Umbi Gembili (*Dioscorea esculenta*) Terhadap Karakteristik Fisiko-Kimia. *Agritech*, 33(4), 424–432.

- Wong, J., Piceno, Y. M., DeSantis, T. Z., Pahl, M., Andersen, G. L., & Vaziri, N. D. (2014). Expansion of urease- and uricase-containing, indole- and p-cresol-forming and contraction of short-chain fatty acid-producing intestinal microbiota in ESRD. *American Journal of Nephrology*, *39*(3), 230–237. <https://doi.org/10.1159/000360010>
- Zubaidah, E., & Akhadiana, W. (2013). Comparative Study of Inulin Extracts from Dahlia , Yam , and Gembili Tubers as Prebiotic. *Food and Nutrition Sciences*, *2013*(November), 8–12. <https://doi.org/10.4236/fns.2013.411A002>