

## DAFTAR PUSTAKA

- Abaci A, Bekem O, Unuvar T, Ozer E, Bober E, Arslan N, Ozturk Y *et al.* (2008). Hepatic glycogenesis: a rare cause of hepatomegaly in type 1 diabetes mellitus. *Journal of Diabetes and Its Complication*; 22 : 325-328
- Abdelaziz I, Ashour AERA (2011). Effect of saccharin on albino rat's blood incides and the therapeutic action of vitamins C and E. *Human and Experimental Toxicology*; 30(2): 129-137
- Alkafafy MES, Ibrahim ZS, Ahmed MM, El-Shazly SA (2015). Impact of aspartame and saccharin on the rat liver: Biochemical, molecular, and histological approach. *International Journal of Immunopathology and Pharmacology*: 1-9
- American Diabetes Association (2014). Statistics about Diabetes. National Diabetes Statistic Report, 2014. Diunduh dari: <http://www.diabetes.org/diabetes-basics/statistics/>. Diakses 23 Juni 2015
- American Diabetes Association. 2015. Standards of Medical Care in Diabetes-2015. *Diabetes Care*; 38: 1-93
- Amin KA, AlMuzafar HM (2015). Alterations in lipid profile, oxidative stress and hepatic function in rat fed with saccharin and methyl-salicylates. *International Journal of Clinical Experimental Med*; 8(4): 6133-6144
- Ayala JE, Samuel VT, Morton GJ, Obici S, Croniger CM, Shulman GI, Wasserman DH *et al.* (2010). Standard operating procedures for describing and performing metabolic test of glucose homeostasis in mice. *Disease Models & Mechanisms*; 3 (9-10) : 525-534
- Astuti AD (2012). Efek penurunan kadar glukosa darah dari ekstrak etanol daun alpukat (*Persea americana* Mill) pada tikus jantan yang dibebani glukosa. Skripsi Sarjana, Fakultas Farmasi, Universitas Indonesia, Depok. (Published)
- Bakal AI, Nabors LO (2012). Saccharin, dalam: Nabors LO. *Alternative Sweeteners*. Fourth Edition. CRC Press : 151 – 158
- Beverage Institute for Health & Wellness – Indonesia, (2013). Sakarin. Diunduh dari: <http://www.beverageinstituteindonesia.org/article/saccharin/>. Diakses 29 Juli 2015
- Bulum T, Kolaric B, Duvnjak L, Duvnjak M (2011). Nonalcoholic fatty liver disease markers are associated with insulin resistance in type 1 diabetes. *Dig Dis Sci*; 56: 3655-3663

- Cydulka RK, Maloney GE (2013). Diabetes mellitus and disorders of glucose homeostasis, dalam: Rosen's Emergency Medicine Concepts and Clinical Practice 8<sup>th</sup> Edition. Elsevier: 1652-1666
- DuBois GE (2006). Saccharin, dalam: Mitchell H. Sweetener and Sugar Alternatives in Food Technology. UK: Blackwell Publishing Ltd : 104 – 118.
- Evert AB, Riddell MC (2015). Lifestyle intervention nutrition therapy and physical activity. Med Clin; 99: 69-85
- Friedman SL (2008). Mechanisms of hepatic fibrogenesis. Gastroenterology; 134(6): 1655-1669
- Giannini EG, Testa R, Savarino V (2005). Liver enzyme alteration: a guide for clinicians. Canadian Medical Association or its licensors; 172(3): 367-379
- Hones J, Muller P, SurrIDGE N (2008). The technology behind glucose meters: test strips. Diabetes Technology & Therapeutic, 10(1) : 10-26
- Hsueh CJ, Wang JH, Dai L, Liu CC (2011). Determination of alanine aminotransferase with an electrochemical nano Ir-C biosensor for the screening of liver diseases. Biosensors; 107-117
- Kusumawati D (2004). Bersahabat dengan hewan coba. Yogyakarta: Gadjah Mada University Press : 84 – 89.
- Laurence DR, Bacharach AL (1964). Evaluation of drug activities: Pharmacometrics, New York: Academic Press.
- Lenzen S (2008). The mechanism of alloxan- and streptozotocin-induced diabetes. Diabetologia; 51: 216-226
- Liu Z, Que S, Xu J, Peng T (2014). Alanine aminotransferase- old biomarker and new concept: A Review. International Journal of Medical Sciences; 11: 925-935
- Lucchesi AN, Cassettari LL, Spadella CT (2015). Alloxan-induced diabetes causes morphological and ultrastructural changes in rat liver that resemble the natural history of chronic fatty liver disease in humans. Journal of Diabetes Research; 1-11
- Madiyono B, Moeslichan Mz S, Sastroasmoro S, Budiman I, Purwanto S (2011). Perkiraan besar sampel. Dalam Sudigdo S dan Ismael S. Dasar – Dasar Metodologi Penelitian Klinis. Edisi 4. Jakarta: Sagung Seto : 376.
- Mangkoewidjojo S, Smith JB (1988). Pemeliharaan, pembiakan dan penggunaan hewan percobaan di daerah tropis. Jakarta : UI press. Hal : 10- 18.

- Marshall W (2012). Alanine aminotransferase (serum, plasma). Association for Clinical Biochemistry.
- Mortensen A (2006). Sweeteners permitted in the European Union: safety aspects. *Scandinavian Journal of Food and Nutrition*; 50 (3): 104-116
- Nabors LO (2012). Alternative sweeteners: An overview, dalam: Nabors LO. *Alternative Sweeteners. Fourth Edition. CRC Press* : 1-9
- Ni H, Soe HK, Hter A (2012). Determinants of abnormal liver function test in diabetes patients in Myanmar. *International Journal of Diabetes Research*; 1(3): 36-41
- Notoatmodjo S (2012). Metode penelitian eksperimen. Dalam: *Metodologi Penelitian Kesehatan. Jakarta: Rineka Cipta* : 50 – 64
- Ozer J, Ratner M, Shaw M, Bailey W, Schomaker S (2008). The current state of serum biomarkers of hepatotoxicity. *Toxicology*; 245: 194-205
- Perkumpulan Endokrinologi Indonesia (PERKENI) (2011). Konsesus pengelolaan dan pencegahan diabetes melitus tipe 2 di Indonesia – 2011. Jakarta: Pengurus Besar Perkumpulan Endokrinologi Indonesia (PB PERKENI) : 1 – 20
- Powers AC (2008). Diabetes mellitus, dalam: *Harrison's Principles of Internal Medicine 17<sup>th</sup> Edition. USA: McGraw-Hill's Access Medicine*; Chapter 338
- Pratt DS (2008). Evaluation of liver function, dalam: *Harrison's Principles of Internal Medicine 17<sup>th</sup> Edition. USA: McGraw-Hill's Access Medicine*; Chapter 296
- Purnamasari D (2009). *Diagnosis dan klasifikasi diabetes mellitus*, dalam: *Buku Ajar Ilmu Penyakit Dalam Jilod III Edisi V. Jakarta: Interna Publishing*: 1880-1883
- Rajagopalan P, Joy TSR (2013). Saccharin-cyclodextrin complexes-synthesis and characterization. *International Journal of Agricultural and Food Science*; 3 (4):142-147
- Riset Kesehatan Dasar (RISKESDAS) (2013). Laporan hasil riset kesehatan dasar 2013. Jakarta: Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI : 87 – 90
- Rohilla A, Ali S (2012). Alloxan induced diabetes: Mechanisms and effects. *International Journal of Research in Pharmaceutical dan Biochemical Sciences*; 3: 819-823

- Schuppan D, Afdhal NH (2008). Liver Cirrhosis. *Lancet*; 371(9615): 838-851
- Shankar P, Ahuja S, Sriram K (2013). Non-nutritive sweeteners: Review and update. *Nutrition*; 29: 1293-1299
- Suez J, Korem T, Zeevi D, Zilberman-Schapira G, Thaiss CA, Maza O, Israeli D, *et al.*, (2014). Artificial sweeteners include glucose intolerance by altering the gut microbiota. *Nature*. 000 : 1-17
- Szkudelski T, (2001). The mechanism of alloxan and streptozotocin action in  $\beta$  cells of the rat pancreas. *Physiological Research*. 50 : 536 – 546
- Thapa BR, Walia A (2007). Liver function test and their interpretation. *Indian Journal of Pediatrics*; 74: 663-671
- Utomo Y, Hidayat A, Dafip M, Sasi FA (2012). Studi histopatologi hati mencit (*Mus musculus L.*) yang diinduksi pemanis buatan. *Jurnal MIPA*; 35(2): 122-129
- US Food and Drug Administration (2014). Additional information about high-intensity sweeteners permitted for use in food in the United States. Diunduh dari <http://www.fda.gov/food/ingredientspackagingandlabeling/foodadditivesingredients/ucm397725.htm#Saccharin> . Diakses 29 Juli 2015
- Vendhan R, Amutha A, Anjana RM, Unnikrishnan R, Mohan V (2014). Clinical profile of nonalcoholic fatty liver disease among young patients with type 1 diabetes mellitus seen at a diabetes speciality center in India. *Endocrine Practice*; 20(12) : 1249-1257
- Whitehouse CR, Boullata J, McCauley LA (2008). The potential toxicity of artificial sweeteners. *AAOHN Journal*; 56(6): 251-259
- World Health Organization (2015). Diabetes. Media centre. Diunduh dari <http://www.who.int/mediacentre/factsheets/fs312/en/>. Diakses 23 Juni 2015
- Yunir E, Soebardi S (2009). Terapi non farmakologis pada diabetes mellitus, dalam: *Buku Ajar Ilmu Penyakit Dalam Jilid III Edisi V*. Jakarta: Interna Publishing: 1891-1895