

Daftar Pustaka

- Ali R., Rabbani M., Sadeghi H., Faghieh E., Hasanzadeh A., Moazen F., 2015. Association of KCNJ11 (E23K) gene polymorphism with susceptibility to type 2 diabetes in Iranian patients. *Adv. Biomed. Res.* 4: 1-15
- American Diabetes Association, 2019. Standards of Medical Care in Diabetes-2019. *Diabetes care.* 38 (1 Suppl): 1-87
- Arfan, Moh., 2011. Tentang Propinsi Sulawesi Tengah. Palu; Indo Media.
- Barrett KE, Barman SM, Boitano S, Brooks HL, 2010. *Ganong's Review of Medical Physiology: Cardiovascular Physiology.* 23rd ed. Singapore: Mc Graw Hill. p. 544-50
- Bašić, M., Butorac, A., Landeka, I., Bačun-Družina, V, 2012. Obesity: Genome and environment interactions. *Arh. Za Hig.Rada Toks.*63(3): 395-405.
- Bender David, 2002. Introduction to Nutrition and Metabolism, 3rd Edition. Francis; Taylor Francis.
- Bennett P., Knowler, W.C., 2005. Definition, Diagnosis, and Classification of Diabetes Mellitus and Glucose Homeostasis. In: Kahn CR, Weir GC, King GL, Jacobson AM, Moses AC, Smith RJ, editors, *Joslin's Diabetes Mellitus*, Philadelphia: Lippincott Williams & Wilkins, 331-38.
- Bouchard, C, 1991. Heredity and the path to overweight and obesity. *Med. Scie.Sports Exerc.* 23 (3): 285 – 291.
- Brabant, G., Müller, G., Horn, R., Anderwald, C., Roden, M., *et al.*, 2005. Hepatic leptin signaling in obesity. *JFASEB*, 19(8), 1048-1050.
- BPS, Data Sensus, 2017. Jumlah Penduduk dan Laju Pertumbuhan Penduduk Menurut Kabupaten/Kota di Provinsi Sulawesi Tengah, 2010, 2015, dan 2016. [online]. Available from: <https://sulteng.bps.go.id/statictable/2017/12/21/691/-jumlah-penduduk-dan-laju-pertumbuhan-penduduk-menurut-kabupaten-kota-di-provinsi-sulawesi-tengah-2010-2015-dan-2016-.html>
- Bryan J., Vila-Carriles, W., Zhao, G., Babenko, A.P., Agular-Bryan, L., 2004. Toward linking structure with function in ATP-sensitive K⁺ channels. *Diabetes.* 53 (Suppl.3). S104-112
- Campbell, JD., Sansom MSP., Ascroft FM., 2013. Potassium channel regulation, structural insights into the function of nucleotide-binding domains of the human sulphonylurea receptor. *EMBO reports.* (4): 1038-1042.
- Cekjova, P., Novota, P., *et al.*, 2007. KCNJ11 E23K polymorphism and diabetes mellitus with adult onset in Czech patients. *Folia Biol (Praha).* 53: 173-175
- Chang, M.H., Valdez, R., Ned, R.M., Liu, T., *et al.*, 2011. Influence of familial risk on diabetes risk-reducing behaviors among U.S. adults without diabetes. *Diabetes care.* 34 (11) 2393-2399
- Cheng, D., 2005. *Prevalence, predisposition, and prevention of tipe 2 diabetes, Nut and metab,* 2, 1-12

- Ciampelli, M., Leoni, F., Cucinelli, F., Mancuso, F., Panunji, S., De Gaetano, A., Lanzone, A., 2005. Assessment of insulin sensitivity from measurements in the fasting state and during an oral glucose tolerance test in polycystic ovary syndrome and menopausal patients. *J Clin Endocrinol and Metabol.* 90: 1398-1406.
- De Fronzo, R. A., Ferrannini, E., Groop, L., Henry, R. R., Herman, W. H., *et al.* 2015. Type 2 diabetes mellitus. *Nat. Rev. Dis. Primers.* 1: 1–23.
- Dinas Kesehatan Kota Palu. 2015. Jumlah Kasus dan Kematian Penyakit Diabetes Melitus di Kota Palu tahun 2015. *Profil Kesehatan Kota Palu.* (12): p.4-9
- Fan, S.-H., & Say, Y.-H. 2014. Leptin and leptin receptor gene polymorphisms and their association with plasma leptin levels and obesity in a multi-ethnic Malaysian suburban population. *J Physiol Anthropol,* 33(1), 15.
- Fischer A *et al.*, 2008. KCNJ11 E23K affects diabetes risk and is associated with the disposition index. *Diabetes care* 31: 1.
- Galland. 2011. Leptin: How to Make This Fat-Burning Hormone Work for You. Huffpost. (Online). (doi: 10.4103/2277-9122.11.146223) available from: http://www.huffingtonpost.com/leo-galland-md/leptin-how-to-make-this-fat-burning_b_806529.html
- Garg, *et al.*, 2011. *Study of beta-cell function (by HOMA model) in metabolic syndrome.* (online). (doi: 09.103/1207-8752.11.2178). available from: [http://www.ncbi.nlm.nih.gov/journals/landia/article/PIIS2213-8587\(14\)70161-5/fulltext](http://www.ncbi.nlm.nih.gov/journals/landia/article/PIIS2213-8587(14)70161-5/fulltext).
- Gloyn, A.L., Weedon, M.N., Owen, K.R., Turner, M.J., Knight, B.A., Hitman, G., Walker, M., Levy, J.C., Sampson, M., Halford, S., McCarthy, M.I., Hattersley, A.T., Frayling, T.M., 2003, Large-scale association studies of variants in genes encoding the pancreatic beta-cell KATP channel subunits Kir6.2 (KCNJ11) and SUR1 (ABCC8) confirm that the KCNJ11 E23K variant is associated with type 2 diabetes, *Diabetes*, (52): 2, 568-72.
- Gregg EW, Zhuo X, Albright AL, *et al.* Trends in lifetime risk and years of life lost due to diabetes in the USA, 1985—2011: a modelling study. *The Lancet Diabetes & Endocrinology.* (4 Suppl): 124-145
- Hansen SK, Nielsen, Jakob EK, Andersen G, Glumer C, 2005. Analysis of sparate and combined effects of common variation in KCNJ11 and PPARG on risk of type 2 diabetes. *J Clin Endocrinol Metab.* 90(6): 3629-37.
- Huriyanti Emy, 2015. Hubungan Antara Interaksi Polimorfisme Gen *Uncoupling Protein 2 (UCP2)*, *K⁺ channel inwardly Factor 7-Like 2 (TCF7L2)* dengan Asupan Tinggi Lemak dan Karbohidrat Sederhana dalam Kaitannya dengan Kejadian Obesitas pada Remaja. (Disertasi). FK. UGM, Univ. Gadjah Mada.
- International Diabetes Federation. November 14, 2011. One adult in ten will have diabetes by 2030. Available from: <http://www.idf.org/media-events/press-releases/2011/diabetes-atlas-5th-edition>.
- JD Piette, Glasgow R: Strategies for improving behavioral health outcomes among patients with diabetes: self-management, education. In Evidence-Based Diabetes Care. Gerstein HC, Haynes RB, editors. : Eds. Ontario, Canada, BC Decker Publishers; 2011, p. 207– 251.

- Jiang Fang *et al.*, 2017. Study on the correlation between KCNJ11 gene polymorphism and metabolic syndrome in the elderly. *Experimental and Therapeutic Medicine*. (14): 2031-2035.
- Kementrian Kesehatan RI. 2013. Situasi dan Analisa Diabetes. InfoDatin. (online).
www.depkes.go.id/resources/download/pusdatin/infodatin/infodatin-diabetes.pdf
- Keskin, M., Kurtoglu, S., Kendirci, M., Atabek, M. E., & Yazici, C. 2005. Homeostasis Model Assessment Is More Reliable Than the Fasting Glucose/Insulin Ratio and Quantitative Insulin Sensitivity Check Index for Assessing Insulin Resistance Among Obese Children and Adolescents. *J Pediatrics*, (115): 500-503.
- Klol *et al.*, 2006. The role of leptin and ghrelin in the regulation of food intake and body weight in humans. *Adv. Biomed. Res.* 1-11.
- Koster, J.C., Permutt, M.A., and Nichols, C.G., 2005, Diabetes and insulin secretion: The ATP-sensitive K⁺ channel (KATP) connection, *Diabetes*, 54, 3065-72.
- Lemeshow S., David W.J.H., 1997. Besar Sampel dalam Penelitian Kesehatan (terjemahan), Univ. Gadjah Mada, Yogyakarta
- Li YY *et al.*, 2013. The KCNJ11 E23K gene polymorphism and type 2 diabetes mellitus in the Chinese Han population. *Mol Bio Rep.* (6): 1-4
- Maitra A., Abbas A. K. 2005. The endocrine system. In Kumar V., Abbas A. K., Fautso N. *Robbins and cotran pathologic basis of disease*. 7th Edition Philadelphia: Elsevier Saunders.
- Makhzoom O., Kabalan Y., Al-Quobaili F., 2019. Association of KCNJ11 rs5219 gene polymorphism with type 2 diabetes mellitus in a population of Syria. *BMC. Med. Gen.* (20): 1-6
- McCarthy, M., 2010. Genomics, type 2 diabetes and obesity. *N Eng J Med.* 363:2339-2350
- McGarry Denis, Banting Lecturer, 2002. Dysregulation of Fatty Acid Metabolism in the Etiology of Type 2 Diabetes.
- Permutt, M.A, Wasson, J., Cox, N., 2005, Genetic epidemiology of diabetes, *J Clin. Invest*, 115, 1431-39
- Philippe MF, Benabadji S, Barbot-Trystram L, Vadrot D, Boitard C, Larger E. 2011. Pancreatic volume and endocrin exocrin function in patient with diabetes. *Adv. Biomed. Res.* 1-12.
- Perkumpulan Endokrinologi Indonesia. 2015. Konsensus Pengelolaan dan Pencegahan Diabetes Melitus Tipe 2 di Indonesia. Jurnal PERKENI. Diakses pada 25 september 2017. pbperkeni.or.id/doc/konsensus.pdf.
- Patel HR. 2006. Neuropeptide Y deficiency attenuates responses to fasting and high-fat diet in obesity-prone mice. *PubMed.* 2-6
- Prabandari, A.S., 2009. Polimorfisme p.E23K gena *potassium inwardly-rectifying channel sub family J member 11* (KCNJ11) sebagai faktor risiko diabetes melitus tipe 2 di Yogyakarta, (Tesis), Pascasarjana Universitas Gadjah Mada.

- Prokopenko I, McCarthy MI, Lindgren CM. Type 2 diabetes: New genes, new understanding. *Trends Genet.* 2008;24:613-21.
- Radha, V., Viimaleswaran, K.S, Deepa, R., Mohan, V., 2003, The genetics of diabetes mellitus, *Indian J Res*, 117, 225-38
- Radha, V., and Mohan, V., 2007, Genetic predisposition to type 2 diabetes among Asian Indians. *Indian J Med Res*, 125. 259-60 .
- Resyana & Ramadhan Nur, 2015. Karakteristik Diabetes Melitus Tipe 2 berdasarkan Kadar HbA1c di Puskesmas Jayabaru Kota Banda Aceh. (Online); available from: <http://ejournal.litbang.kemkes.go.id/index.php/sel/article/viewFile/4637/4143>.
- Robert K Muray, *et al.*, 2003. Harper's Illustrated Biochemistry, 26thEd. Lange Medical books, US of America.
- Romesh Khardori. 2017. Type 2 Diabetes Mellitus. *MedScape*. 1-17
- Samadikuchaksaraei A, Ramandi MF, Khatami S, Hashemi MJ, Haqparast S, Fard-Esfahani P. E23K polymorphism in Iranian patients with coronary heart disease. *ARYA Atheroscler.* 2010;5:55-60.
- Sacks, D.B., Bruns, D.E, Goldstein, D.E., Maclaren, N.K., McDonald, J.M., and Parrot, M., 2002, Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus, *Clinical Chemistry*. 48:436 – 472.
- Schwanstecher, C., Neugebauer, B., Schulz, M., and Schwanstecher, M., 2002, The common single nucleotide polymorphism E23K in K(IR)6.2 sensitize β -cell ATP-sensitive potassium channels toward activation through nucleoside diphosphates, *Diabetes*, 51, 363-67.
- Slamet, S, 2008. Diet Pada Diabetes. *Balai penerbit FK UI*. Jakarta: 32-49.
- Souse SW *et al.*, 2017. Polymorphism E23K (rs5219) in the KCNJ11 gene in Euro-Brazilian subject with type 1 and 2 diabetes. *Genet Mol Res. PubMed*. 1-3.
- Suyono, S., Sudoyo, A., Setiyohadi, B., Alwi, I., Setiati, S., Simadibrat, M., *et al.* 2009. Diabetes mellitus Indonesia. Jakarta. *IPD FKUI*. 1120-1142.
- Sunita, RS., 2014. Polimorfisme p.E23K gena *potassium inwardly-rectifying channel sub family J member 11* (KCNJ11) dan sekresi insulin pada individu dengan riwayat keluarga diabetes melitus tipe 2, Yogyakarta, (Tesis), Pascasarjana Universitas Gadjah Mada.
- Tabara *et al.*, 2011. Genotype Risk Score of Common Susceptible Variants for Prediction of type 2 Diabetes Mellitus in Japanese: The Shimanami Health Promoting Program (J-SHIP study). Development of type 2 diabetes mellitus and genotype risk score. *Metabolism*. 60 (11): 1634-40.
- Wiyanto Ageng, 2011. Asosiasi Polimorfisme Gen KCNJ11 dan ABCC8 dengan Diabetes Melitus Tipe 2 pada Populasi Masyarakat Bali. Departemen Biokimia; IPB, Bogor.
- World Health Organization, & Organization, W. H., 2017. Public health Appropriate body-mass index for Asian populations and its implications for policy and intervention strategies. *Public Health*, 363(9403), 157–163.

World Journal Diabetes. 2013. Genetics of type 2 diabetes. (online)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3746083>