

**DAFTAR PUSTAKA**

- Lee, AA, & Owyang, C 2017, 'Sugars, Sweet Taste Receptors, Brain Responses', *MDPI Journals*, Vol. 9 (653). pp.1-13.
- Ang, Z, & Ding, JL 2016, 'GPR41 and GPR43 in Obesity and inflammation Protective or Causative?', *Frontiers in Immunology*, Vol. 7, pp. 1-5.
- Bezencon, C, Le, C, Damak, S, 2007, 'Taste-Signaling Proteins are Coexpressed in Solitary Intestinal Epithelial Cells', *Chem. Senses*, 32, pp. 41-49.
- Cai, D., Chen, S.C., Prasad, M., He, L., Wang, X., Choemmel-Cadamuro, V., Sawyer, J.K., Danuser, G., Montell, D.J. (2014). Mechanical Feedback through E-Cadherin Promotes Direction Sensing during Collective Cell Migration. *Cell* 157(5): 1146--1159
- Calvo, SSC& Egan, JM 2015, 'The endocrinology of taste receptors', *Nature Reviews Endocrinology*, Vol. 11 (4), pp. 213–227.
- Daisuke, K, Miho, K, Yuzo, N, Itaru, K, Tadahiro, K, Toshihiko, Y 2011, 'Sweet Taste Receptor Serves to Activate Glucose- and Leptin-Responsive Neurons in the Hypothalamic Arcuate Nucleus and Participates in Glucose Responsiveness', *NCBI Journals*. Vol. 10, pp.1-12.
- Dalamaga, M, Chou, SH, Shields, K, Papageorgiou, P, Polyzos, SA& Mantzoros, CS 2013, 'Leptin at the intersection of neuroendocrinology and metabolism: Current evidence and therapeutic perspectives', *Cell Metabolism*, Vol. 18(1), pp. 29–42.
- Elizabeth M, Jennifer, L, Bethany, P, Kimber, L, Stanhope, James, L, Peter, J, Helen, R, 2011, ' Expression of the Sweet Tase Receptor T1R2 and T1R3 in Duodenal Enteroendocrine and Enterochromaffin Cells Are Not Altered in Rodent Model of Type II Diabetes Mellitus', *AGA Journal*, Vol. 140 (5), pp. S-322.
- Fábián, TK, Beck, A, Fejérdy, P, Hermann, P& Fábián, G 2015, 'Molecular mechanisms of taste recognition: Considerations about the role of saliva', *International Journal of Molecular Sciences*, Vol. 16 (3), pp. 5945–5974.
- Facey, A, Dilworth, L, & Irving, R 2017, 'A Review of the Leptin Hormone and the Association with Obesity and Diabetes Mellitus', *Journal of Diabetes & Metabolism*, Vol. 08(03), pp. 18–20.
- Farr, OM, Gavrieli, A & Mantzoros, CS 2015, 'Leptin applications in 2015: What have we learned about leptin and obesity? Current Opinion in Endocrinology, Diabetes and Obesity', Vol.22(5), pp. 353–359.

- Funahashi, H, Yada, T, Suzuki, R & Shioda, S 2003, 'Distribution, function, and properties of leptin receptors in the brain', *International Review of Cytology*, Vol. 224, pp. 1–27.
- Ge, JF, Qi, CC, Zhou, JN 2013, 'Imbalance of Leptin Pathway and Hypothalamus Synaptic Plasticity Markers are Associated with Stress-Induced Depression in Rats', *Behav Brain Res*, Vol. 249, pp. 38-43.
- Hady T. El., Karam S., Sawa El., Saad, N, 2015, 'Expression of Vascular Endothelial Growth Factor During Healing of Extraction Sockets in Diabetic Rats', *Alexandria Dental Journal*: 20, pp. 120-125.
- Irianto, K 2012, *Anatomi Dan Fisiologi Untuk Mahasiswa*, Penerbit Alfabeta, Bandung.
- Katikireddy, K. R. (2015) 'Chapter 11', (July 2011). doi: 10.1007/978-1-61779-289-2.
- Kawai, K, Sugimoto, K, Nakashima, K, Miura, H, & Ninomiya, Y 2000, 'Leptin as a modulator of sweet taste sensitivities in mice', *Duke University Medical Center*, Vol. 97 (20), pp. 1–5.
- Kementrian Kesehatan Republik Indonesia 2018, 'Hasil Utama Riskesdas 2018'. Tersedia pada: <https://www.depkes.go.id/resources/download/info-terkini/hasil-riskesdas-2018.pdf>. (Diakses: 13 Desember 2018).
- Kimura, I, Inoue, D, Hirano, K, & Tsujimoto, G 2014, 'The SCFA receptor GPR43 and energy metabolism', *Frontiers in Endocrinology*, Vol. 5, pp. 1-5.
- Kirk, R. G. W. (2017). 'Recovering The Principles of Humane Experimental Technique', *Science Technology & Human Values*, Vol. 43 (4), pp. 622–648.
- Kishore, RK, Finbarr, O 2011, 'Immunohistochemical and Immunofluorescence Procedures for Protein Analysis', *Research Gate*, Vol. 784, pp. 155-167.
- Korek, E, Krauss, H, Gibas, DM, Kupsz, J, Piątek, M & Piątek, J 2013, 'Fasting and postprandial levels of ghrelin, leptin and insulin in lean, obese and anorexic subjects', *Przegląd Gastroenterologiczny*, Vol. 8(6), pp. 383–389.
- Latipun 2004, *Psikologi Eksperimen Edisi Kedua*, UMM Press, Malang, pp. 74.
- Lee, A. A. and Owyang, C. 2017, 'Sugars, sweet taste receptors, and brain responses', *Nutrients*, 9(7), pp. 1–13.
- Mark, HS 1995, *Buku Ajar Diagnostik Fisik*, Penerjemah: dr.Petrus Lukmanto, dr.R.F. Maulany, MSc, dr.Huriawati Hartanto. Jakarta. pp. 28
- Mehmet, CAN. Hakan, A, S. Faruk, A, M. (2016). Scanning Electron Microscopic Studies of the Lingual Papillae in the English Horse. 66 (2), 257-264 UDK: 636.1:611.313 DOI: 10.1515/acve-2016-0022

- Nesrine, Z, Haithem, H, Imen, b, Fadoua, N, Asma, O, Fadhel, NM, Ali, B 2018, 'Leptin and Leptin Receptor Polymorphisms, Plasma Leptin Levels and Obesity in Tunisian Volunteers', *International Journal of Experimental Pathology*, Vol. 99(3), pp. 121-130.
- Netter, FH 2014, *Atlas of Human Anatomy 25th Ed*, EGC, Jakarta. pp. 198.
- Paul, RF, Hassan, M, Nazar, HS, Gillani, S, Afzal, N & Qayyum, I 2011, 'Effect of Body Mass Index on Serum Leptin Levels', *J Ayub Med Coll Abbottabad*, Vol. 23(3), pp. 40-43.
- Pearce, E 2009, *Anatomi Dan Fisiologi Untuk Paramedis 2*, Penerjemah: dr. Kartono Mohamad, Penerbit PT Gramedia Pustaka Utama, Jakarta. pp. 78-80.
- Pelleymounter M, Cullen M, Baker M, Hecht R, Winters DB, Boone, T 1995, 'Effect of the Obese Gene Product on Body Weight Regulation in ob/ob mice', *Science Direct*, Vol. 269, pp. 540-543.
- Prawibawa, Prijadi, and Bambang 2013, Pengaruh Injeksi Leptin Jangka Pendek Terhadap Kadar Adiponektin Dalam Serum Rattus Strain Wistar yang diberi Diet Tinggi Lemak, Malang, pp. 443-447.
- Psichas, A, Sleeth, M, Murphy, K, Brooks, L, Bewick, G, Hanyaloglu, A, *et al* 2015, 'The Short Chain Fatty Acid Propionate Stimulates GLP-1 and PYY Secretion Via Free Fatty Acid Receptor 2 in Rodents', *Int J Obes (Lond)*, Vol. 39, pp. 424-429.
- Raliou, M., Grauso, M., Hoffmann, B., Schlegel-Le-Poupon, C., Nespoulous, C., Debat, H., Briand, L 2011, 'Human Genetic Polymorphisms in T1R1 and T1R3 Taste Receptor Subunits Affect Their Function'. *Chemical Senses*, 36(6), 527-537.
- Roper, DS, Chaudhari, N 2017, 'Taste buds: cells, signals and synapses', *Nature Review. Neuroscience*. pp. 225-235.
- Septiani, R, Raharjo, BB 2017, 'Pola Konsumsi *Fast Food*, Aktivitas Fisik dan Faktor Keturunan Terhadap Kejadian Obesitas (Studi Kaus pada Siswa SD Negeri 01 Tanjung Kecamatan Tonjong Kabupaten Brebes)', *Public Health Perspective Journal*. Vol. 2 (3), pp. 262-269.
- Sugiyono 2008, *Metode Penelitian penidikan pendekatan kuantitatif, kualitatif dan R&D*, Alfabeta, Bandung. pp. 25-27
- Sunariani, J, Irmawati, A, Wardhani, N 2011, 'Changes of Sweet Taste Sensitivity Due to Aerobic Physical Exercise', *Dental Journal*, Vol. 44 (1), pp. 35-38.

- Shigemura, N, Miura, H, Kusakabe, Y, Hino, A, Ninomiya, Y 2003, Expression of Leptin Receptor (Ob-R) Isoforms and Signal Transducers and Activators of Transducers and Activators of Transcription (STATs) mRNAs in the Mouse Taste Buds, *Arch Histol Cytol*, 66 (3), pp. 253-260.
- Shigemura, N, Ohta, R, Kusakabe, Y, Miura, H, Hino, A, Koyano, K, Nakashima, K, Ninomiya, Y, 'Leptin Modulates Behavioral Responses to Sweet Substances by Influencing Peripheral Taste Structures', *Endocrinology*, 145; pp. 839-847.
- Sugiyono 2010, *Metode Penelitian Kuantitatif Kualitatif dan R&D*, Alfabeta, Bandung. pp. 76.
- Sofa, A 2018, 'Kejadian Obesitas, Obesitas Sentral, dan Kelebihan Lemak Viseral pada Lansia Wanita', *Open access under CC BY-SA license*, pp. 228-236.
- Steinert, RE *et al.* 2011, 'The functional involvement of gut-expressed sweet taste receptors in glucose-stimulated secretion of glucagon-like peptide-1 (GLP-1) and peptide YY (PYY)', *Clin. Nutr*, Vol. 30, pp. 524–532.
- Talubmook, C, Buddhakala, N 2013, 'Bioactivities od Extracts from *Tinospora Crispa Stems*, *Annona Squamosa Leaves*, *Musa Sapientum Flowers*, and *Piper Sarmentosum Leaves* in Diabetic Rats', *Journal of Advancements in Research & Technology*, Vol. 2(6), pp. 14.
- Tanudjaja, GN 2013, 'Persarafan Lidah', *Jurnal Biomedik*, Vol.5(3), pp. 36-39.
- Tolistiawaty I, Widjaja, J, Sumolang, P, et al. (2014). Gambaran Kesehatan pada Mencit (*Mus musculus*) di Instalasi Hewan Coba. *Jurnal Vektor Penyakit*, Vol. 8 No. 1, 2014: 27 – 32
- Tschop, M, Morrison, KM 2002, 'Weight loss at high altitude', *Adv Exp Med Biol*, Vol. 502, pp. 237-247.
- Yoshida, R, Murata, Y, Yasuo, T, Obata, K, Yanagawa, Y, Margolskee, RF, Ninomiya, Y 2010, 'Action potential-enhanced ATP release from taste cells through hemichannels', *J. Neurophysiol.* Vol.104, pp. 896–901.
- Yoshida, R, Robert, FM, Ichiro, T, Yuzo, N 2015, 'Leptin Supresses Mouse Taste Cell Responses to Sweet Compounds', *Article in Diabetes, ResearchGate*, Vol. 64. pp. 3751-3761.
- Young, RL *et al.* 2009, 'Expression of taste molecules in the upper gastrointestinal tract in humans with and without type 2 diabetes', *Gut*, Vol. 58, pp. 337–346

Wardani, KAD, Huriyati, E, Mustikaningtyas, Hastuti, J 2015, 'Obesitas, Body Image, dan Perasaan Stres pada Mahasiswa di Daerah Istimewa Yogyakarta', *Jurnal Gizi Klinik Indonesia*, Vol 11, pp 161-162

WHO 2017, 'Projections of Mortality and Causes of Death, 2015 and 2030', *WHO*.