

## DAFTAR PUSTAKA

- Al-Quran Surat An-Nahl Ayat 11 Juz 16.
- Adams, K. F., Newton, K. M., Chen, C., Emerson, S. S., Potter, J. D., White, E., & Lampe, J. W. (2003). Soy isoflavones do not modulate circulating insulin-like growth factor concentrations in an older population in an intervention trial. *The Journal of Nutrition*, 133(5), 1316–9.
- Aluko, R. E. (2012). *Functional Foods & Nutraceuticals*. New York-London: Springer.
- Anderson, J. W., Smith, B. M., & Washnock, C. S. (1999). Cardiovascular and renal benefits of dry bean and soybean intake. In *American Journal of Clinical Nutrition* (Vol. 70, pp. 464–474).
- Anonim. (n.d.-a). Hypophosphatasia. Retrieved August 29, 2017, from <http://www.wrha.mb.ca/wave/2009/05/hypophosphatasia.php>
- Anonim. (n.d.-b). Taxonomy - Glycine max (Soybean) (*Glycine hispida*). Retrieved August 29, 2017, from <http://www.uniprot.org/taxonomy/3847>
- Anonim. (2016). Tikus Galur Sprague Dawley. Retrieved August 29, 2017, from <https://palembangtikuscenter.wordpress.com/2016/07/30/tikus-galur-sprague-dawley/>
- Antonia, G.-M., MA, A., & Et.al. (2011). Changes in bone metabolism markers and ultrasound parameters in postmenopausal women induced by soy isoflavones. *Revista de Osteoporosis Y Metabolismo Mineral*, 3(4), 141–146.
- Atun, S. (2009). Potensi Senyawa Isoflavon Dan Derivatnya Dari Kedelai (*Glycine max* L.) serta Manfaatnya untuk Kesehatan. In *Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA* (pp. 33–41). Yogyakarta: Fakultas MIPA, Universitas Negeri Yogyakarta.
- Barnes, S. (2010). The Biochemistry, Chemistry and Physiology of Isoflavones in Soybean and Their Food Products. *Lymphat Res Biol*, 8(1), 88–89.
- Berger, M., Rasolohery, C. A., Cazalis, R., & Daydé, J. (2008). Isoflavone accumulation kinetics in soybean seed cotyledons and hypocotyls: Distinct pathways and genetic controls. *Crop Science*, 48(2), 700–708. <https://doi.org/10.2135/cropsci2007.08.0431>
- Cathala, G., & Brunel, C. (2015). Alkaline Phosphatase. *Internal Medicine, Suppl* 116(15), 633–2322. <https://doi.org/10.1056/NEJM197201272860407>

- Chaiyasut, C., Kumar, T., Tipduangta, P., & Rungseevijitprana. (2010). Isoflavone content and antioxidant activity of Thai fermented soybean and its capsul formulation. *Afr. J Biotechnol*, 9(26), 4120–4126.
- Corathers, S. D. (2006). Focus on diagnosis: the alkaline phosphatase level: nuances of a familiar test. *Pediatrics in Review / American Academy of Pediatrics*, 27(10), 382–4. <https://doi.org/10.1542/pir.27-10-382>
- Daltaban, O., Saygun, I., Bal, B., Baloş, K., & Serdar, M. (2006). Gingival crevicular fluid alkaline phosphatase levels in postmenopausal women: effects of phase I periodontal treatment. *Journal of Periodontology*, 77(1), 67–72. <https://doi.org/10.1902/jop.2006.77.1.67>
- Dinas Kesehatan Provinsi Jawa Tengah. (2015). *Profil Kesehatan Provinsi Jawa Tengah Tahun 2015*. Semarang: Dinas Kesehatan Provinsi Jawa Tengah.
- Djojosoebagio, S. (1990). *Fisiologi Kelenjar Endokrin*. Departemen Pendidikan dan Kebudayaan Direktorat Jendral Pendidikan Tinggi Pusat Antar Universitas Ilmu Hayati IPB Bogor.
- Djuwita, I., Pratiwi, I. A., Winarto, A., & Sabri, M. (2012). Proliferasi dan Diferensiasi Sel Tulang Tikus dalam Medium Kultur In Vitro yang Mengandung Ekstrak Batang Cissus quadrangula Salisb.(Sipatah-patah). *Jurnal Kedokteran Hewan Vol*, 6(2), 75–80. Retrieved from [http://jurnalkedokteranhewan.net/upload/archieve\\_pdf/4.\\_PROLIFERASI\\_DAN\\_DIFERENSIASI\\_SEL\\_TULANG\\_TIKUS\\_DALAM\\_MEDIUM\\_KULTUR\\_IN\\_VITRO\\_YANG\\_MENGANDUNG\\_EKSTRAK\\_BATANG\\_Cissus\\_quadrangula\\_Salisb.\\_\(SIPATAH-PATAH\).pdf%5Cnhttp://www.jurnal.unsyiah.ac.id/JKH/article](http://jurnalkedokteranhewan.net/upload/archieve_pdf/4._PROLIFERASI_DAN_DIFERENSIASI_SEL_TULANG_TIKUS_DALAM_MEDIUM_KULTUR_IN_VITRO_YANG_MENGANDUNG_EKSTRAK_BATANG_Cissus_quadrangula_Salisb._(SIPATAH-PATAH).pdf%5Cnhttp://www.jurnal.unsyiah.ac.id/JKH/article)
- Dostalova, T., & Seydlova, M. (2010). *Dentistry and Oral Diseases for Medical Student*. Praha: Grada Publishing.
- Evans, G. (Ed.). (1996). *Animal Clinical Chemistry : A Primer for Toxicologists*. London: Taylor & Francis.
- Fohr, B., Dunstan, C. R., & Seibel, M. J. (2003). Clinical review 165: Markers of bone remodeling in metastatic bone disease. *The Journal of Clinical Endocrinology and Metabolism*, 88(11), 5059–5075. <https://doi.org/10.1210/jc.2003-030910>
- Galijono, D., & Sukamto, R. (2012). Kadar Alkalin Fosfatase Darah Kelinci Sebelum dan Setelah Rekonstruksi Tulang Mandibula dengan Teknik Blok Autograft Dekortikasi dan Non Dekortikasi. *VetMedika J Klin Vet*, 1(1), 27–32.
- Ghosh, P. K. (2006). *Synopsis of Oral and Maxillofacial Surgery (An Update Overview)*. New Delhi: Jaypee Brothers Medical Publisher (P) Ltd.

- Godlewski, M. M., Ślązak, P., Zabielski, R., Piastowska, A., & Gralak, M. A. (2006). Quantitative study of soybean-induced changes in proliferation and programmed cell death in the intestinal mucosa of young rats. *Journal of Physiology and Pharmacology*, 57(SUPPL. 7), 125–133.
- Golub, E. E., & Boesze-Battaglia, K. (2007). The role of alkaline phosphatase in mineralization. *Current Opinion in Orthopaedics*, 18(5), 444–448. <https://doi.org/10.1097/BCO.0b013e3282630851>
- Gupta, G. (2013). Gingival crevicular fluid as a periodontal diagnostic indicator-II: Inflammatory mediators, host-response modifiers and chair side diagnostic aids. *Journal of Medicine and Life*, 6(1), 7–13.
- Gustiansyah, R. J. (2012). *EFEK SUSU KACANG KEDELAI ( Glycine max (L.) Merr.) TERHADAP KADAR ASAM URAT DARAH TIKUS PUTIH JANTAN YANG DIINDUKSI KALIUM OKSONAT SKRIPSI*. Universitas Indonesia.
- H.Fishman, W. (1990). Alkaline phosphatase isozymes: recent progress. *Clinical Biochemistry*, 23(2), 99–104.
- Hatta, M. (2016). *Mukjizat Herbal dan Khasiatnya Dalam Al-Quran*. Jakarta: Mirqat.
- Heberer, S., Al-chawaf, D. D. S. B., Jablonski, D. D. S. C., Nelson, J. J., Lage, M. P. H. H., Nelson, K., ... Nelson, K. (2011). Healing of ungrafted and grafted extraction sockets after 12 weeks: a prospective clinical study. *The International Journal of Oral & Maxillofacial Implants*, 26(2), 385–392.
- Jeyraj, Y., Katta, A. K., Vannala, V., Lokanathan, D., Reddy, S. N., & Rajasigamani, K. (2015). Estimation of alkaline phosphatase in the gingival crevicular fluid during orthodontic tooth movement in premolar extraction cases to predict therapeutic progression. *Journal of Natural Science, Biology, and Medicine*, 6(2), 343–346. <https://doi.org/10.4103/0976-9668.160000>
- Joo, S., Won, T., Kang, H., & Lee, D. (2004). Isoflavones extracted from Sophorae fructus upregulate IGF-I and TGF-beta and inhibit osteoclastogenesis in rat bone marrow cells. *Arch Pharm Res*, 27(1), 99–105.
- Kemenkes. (2012). *Pedoman Paket Dasar Pelayanan Kesehatan Gigi dan Mulut di Puskesmas*. Jakarta: Kementrian Kesehatan RI.
- Kini, U., & Nanseesh, B. (2012). Physiology of Bone Formation, Remodeling, and Metabolism. In *Radionuclide and Hybrid Bone Imaging* (pp. 29–55). Berlin: Springer.

- Kumar, V., Cotran, R., & Robbin, S. (2007). *Buku Ajar Patologi*. Jakarta: EGC.
- Lang, N. P., & Lindhe, J. (2015). *Clinical Periodontology and Implant Dentistry* (Sixth Edit). United Kingdom: John Wiley & Sons Ltd.
- Mescher, A. (2009). *Histologi Dasar JUNQUIERA Teks & Atlas* (12th ed.). Jakarta: EGC.
- Mizuno, M., & Nishitani, Y. (2013). Immunomodulating compounds in Basidiomycetes. *J. Clin. Biochem. Nutr*, 52(May), 202–207. <https://doi.org/10.3164/jcfn.13>
- Murray, R. K., Granner, D. K., & Rodwell, V. W. (2006). *BIOKIMIA HARPER (Harper's Illustrated Biochemistry)* (27th ed.). Jakarta: EGC.
- North American Menopause Society. (2011). The role of soy isoflavones in menopausal health: report of The North American Menopause Society/Wulf H. Utian Translational Science Symposium in Chicago, IL (October 2010). *Menopause*, 18(7), 732–753. <https://doi.org/10.1097/gme.0b013e31821fc8e0>
- Nune, S. K., Chanda, N., Shukla, R., Katti, K., Kulkarni, R. R., Thilakavathi, S., ... Katti, K. V. (2009). Green Nanotechnology from Tea: Phytochemicals in Tea as Building Blocks for Production of Biocompatible Gold Nanoparticles. *Journal of Materials Chemistry*, 19(19), 2912–2920. <https://doi.org/10.1039/b822015h>
- Ochiai, H., Okada, S., Saito, A., Hoshi, K., Yamashita, H., Takato, T., & Azuma, T. (2012). Inhibition of insulin-like growth factor-1 (IGF-1) expression by prolonged transforming growth factor- $\beta$ 1 (TGF- $\beta$ 1) administration suppresses osteoblast differentiation. *Journal of Biological Chemistry*, 287(27), 22654–22661. <https://doi.org/10.1074/jbc.M111.279091>
- Öztürk Turhan, N., Bolkan, F., Iltemir Duvan, C., & Ardiçoğlu, Y. (2008). The effect of isoflavones on bone mass and bone remodelling markers in postmenopausal women. *Turkish Journal of Medical Sciences*, 38(2), 145–152.
- Pagani, F., Francucci, C. M., & Moro, L. (2005). Markers of bone turnover: biochemical and clinical perspectives. *Journal of Endocrinological Investigation*.
- Park, C. Y., & Weaver, C. M. (2012). Vitamin D interactions with soy isoflavones on bone after menopause: A review. *Nutrients*. <https://doi.org/10.3390/nu4111610>
- Peterson, L., Ellis, E., Hup, J., & Tucker, M. (2003). *Contemporary Oral and Maxillofacial Surgery* (4th Ed). St. Louis: The C.V. Mosby Company.

- Pitojo, S. (2003). *Seri Penangkaran: Benih Kedelai*. Yogyakarta: Kanisius.
- Pushpa Rani, D., & Anandan, Sn. (2012). A clinical study of serum alkaline phosphatase and calcium level in type 2 diabetes mellitus with periodontitis among the south Indian population. *SRM Journal of Research in Dental Sciences*, 3(3), 175. <https://doi.org/10.4103/0976-433X.107396>
- Ridwan, E. (2013). Etika Pemanfaatan Hewan Percobaan dalam Penelitian Kesehatan. *Journal Indonesian Medical Assosiation*, 63(3), 112–116.
- Rukmana, R., & Yuniarsih, Y. (1997). *Kedelai Budidaya dan Pasca Panen*. Yogyakarta: Kanisius.
- Saidu, J. E. P. (2005). *Development, Evaluation, and Characterization of Protein-Isoflavone Enriched Soymilk*. Louisiana State University.
- Sakamoto, M., Matsushima, K., & Yamazaki, M. (2004). Stimulation of Alkaline Phosphatase Activity by PGE2 through Induction of IGF-1 in Human Dental Pulp Cells. *International Journal of Oral-Medical Sciences*, 2(1), 33–38.
- Sara, F., & Saygili, F. (2007). Causes of High Bone Alkaline Phosphatase. *BIOTECHNOL. & BIOTECHNOL.*, 194–197.
- Saraf, S. (2006). *Textbook of Oral Pathology*. New Delhi: Jaypee Brothers Medical Publisher (P) Ltd.
- Seibel, M. J. (2005). Biochemical markers of bone turnover: Part I: biochemistry and variability. *The Clinical Biochemist Reviews*, 26(4), 97–122.
- Setyawan, A. D. W. I. (2011). Natural products from Genus Selaginella (Selaginellaceae). *Nusantara Bioscience*, 3(1), 44–58. <https://doi.org/10.13057/nusbiosci/n030107>
- Sharma, U., Pal, D., & Prasad, R. (2014). Alkaline phosphatase: An overview. *Indian Journal of Clinical Biochemistry*. <https://doi.org/10.1007/s12291-013-0408-y>
- Smith, J., & Mangkoewidjojo, S. (1988). *Pemeliharaan Pembiakan dan Penggunaan Hewan Percobaan di Daerah Tropis*. Jakarta: Universitas Indonesia.
- Stein, G. S., Lian, J. B., Wijnen, A. J. van, Stein, J., Montecino, M., Javed, A., ... Pockwinse, J.-Y. C. and S. M. (2004). Runx2 control of organization, assembly and activity of the regulatory machinery for skeletal gene expression. *Oncogen*, 23, 4315–4329.
- Suhono, R. S., Pramono, C., & Asmara, D. (2011). Effect of soybean extract after tooth extraction on osteoblast numbers. *Dental Journal*, 44(2), 111–116.

- Sumarwoto, T. (2005). *Efek Pemberian Ekstrak Kedelai Dalam Menghambat Penurunan Kepadatan Tulang Pada terapi Kortikosteroid Jangka Panjang Tikus Putih Jantan (Rattus Novergicus)*. Universitas Airlangga. Retrieved from <http://repository.unair.ac.id/35448/>
- Teas, J., Irhimeh, M. R., Druker, S., Hurley, T. G., Hebert, J. R., Savarese, T. M., & Kurzer, M. S. (2011). Serum IGF-1 Concentrations Change With Soy and Seaweed Supplements in Healthy Postmenopausal American Women. *Nutrition & Cancer*, 63(5), 743–748. <https://doi.org/10.1080/01635581.2011.579383>
- Torabinejad, M., Goodacre, C., & Sabeti, M. (2014). *Principle and Practice of Single Implant and Restorations*. St. Louis: Elsevier Saunders.
- Vrieling, A., Rookus, M. A., Kampman, E., Bonfrer, J. M. G., Korse, C. M., van Doorn, J., ... Voskuil, D. W. (2007). Isolated Isoflavones Do Not Affect the Circulating Insulin-Like Growth Factor System in Men at Increased Colorectal Cancer Risk. *J. Nutr.*, 137(2), 379–383.
- Wada, S., Fukawa, T., & Kamiya, S. (2009). [Biochemical markers of bone turnover. New aspect. Bone metabolic markers available in daily practice]. *Clin Calcium*, 19(8), 1075–1082. <https://doi.org/090810751082> [pii]rCliCa090810751082
- Weatherby, D., & Ferguson, S. (2002). *Blood Chemistry and CBC Analysis*. USA: Bear Mountain Publishing.
- Yamaguchi, M. (2002). Isoflavone and bone metabolism: Its cellular mechanism and preventive role in bone loss. *Journal of Health Science*, 48(3), 209–222. <https://doi.org/10.1248/jhs.48.209>
- Yu, O., Shi, J., Hession, A. O., Maxwell, C. A., McGonigle, B., & Odell, J. T. (2003). Metabolic engineering to increase isoflavone biosynthesis in soybean seed. *Phytochemistry*, 63(7), 753–763. [https://doi.org/10.1016/S0031-9422\(03\)00345-5](https://doi.org/10.1016/S0031-9422(03)00345-5)