

DAFTAR PUSTAKA

- Abbassi V, 1998. Growth and Normal Puberty. *Pediatrics*, 102(2):507–11.
- Adamo MI, Lai W, dan Heron L, 2005. Overview and Molecular Aspects of the Insulin-Like Growth Factor System. In Houston MS, Holly JMP, Feldman EL (eds), *IGF and Nutrition in Health and Disease*. Totowa, New Jersey: Humana Press Inc, pp 3–24.
- Agnoli C, Baroni L, dan Bertini I, et al, 2017. Position paper on vegetarian diets from the working group of the Italian Society of Human Nutrition. *Nutrition, Metabolism & Cardiovascular Diseases*, 27:1037-1052.
- Allen NE, Appleby PN, Davey GK, dan Key TJ, 2000. Hormones and Diet: Low Insulin-like Growth Factor-I But Normal Bioavailable Androgens in Vegan Men. *British Journal of Cancer*, 83(1):95–97.
- Allen NE, Appley PN, Davey GK, Kaaks R, Rinaldi S, dan Key TJ, 2002. The Associations of Diet With Serum Insulin-like Growth Factor I and its Main Binding Proteins in 292 Women Meat-eaters, Vegetarians, and Vegans. *Cancer Epidemiology Biomarkers and Prevention*, 11(11):1441–1448.
- Ambroszkiewicz J, Klemarczyk W, Gajewska J, Chelchowska M, dan Laskowska-Klita T, 2007. Serum Concentration of Biochemical Bone Turnover Markers in Vegetarian Children. *Advances in Medical Sciences*, 52:279–282.
- Ambroszkiewicz J, Laskowska-Klita T, dan Klemarczyk W, 2004. Low Serum Leptin Concentration in Vegetarian Prepubertal Children. *Roczniki Akademii Medycznej W Białymostku*, 49:103–5.

- Ambroszkiewicz J, Klemarczyk W, Gajewska J, Chelchowska M, Rawicka G, Oltarzewski M dan Laskowska-Klita T, 2011. Serum concentration of adipocytokines in prepubertal vegetarian and omnivorous children. *Med Wieku Rozwoj*, 15(3):326-34.
- American Dietetic Association, 2009. Position of the American Dietetic Association: Vegetarian Diets. *J Am Diet Assoc*. 109:1266-1282.
- Amit M, Canadian Paediatric Society, dan Community Paediatrics Committee, 2010. Vegetarian Diets in Children and Adolescents. *Paediatr Child Health*, 15(5):303–308.
- Aszodi A, 2016. The Cartilaginous Growth Plate. In Grassel S, Aszodi A (eds), *Cartilage Volume 1: Physiology and Development*. Switzerland: Springer, pp 83-114.
- Baroni L, Goggi S dan Battaglino R, et al, 2019. Vegan Nutrition for Mothers and Children: Practical Tools for Healthcare Providers. *Nutrients*, 11(5):1-16.
- Baig JA, Sheikh SA, Islam I, dan Kumar M, 2013. Vitamin D Status Among Vegetarians and Non-Vegetarians. *Journal of Ayub Medical College*, 25(1–2):152–155.
- Bortoli MC dan Cozzolino SMF, 2009. Zinc and Selenium Nutritional Status in Vegetarians. *Biol Trace Elem Res*, 127:228–233.
- Boskey A dan Coleman R, 2010. Aging and Bone. *J Dent Res*, 89(12):1333–1348.
- Bo Y, Kaibiao J, Bin C, Hanto W, Xinfeng L, dan Zude L, 2017. Leptin Differentially Regulates Chondrogenesis in Mouse Vertebral and Tibial Growth Plates. *BMC Musculoskeletal Disorders*, 18(1):235.

- Brameld JM, Gilmour RS dan Buttery PJ, 1999. Glucose and Amino Acids Interact with Hormones to Control Expression of Insulin-Like Growth Factor-I and Growth Hormone Receptor mRNA in Cultured Pig Hepatocytes. American Society for Nutritional Sciences, 129(7):1298–306.
- Chan J, Jaceldo-Siegl K dan Fraser GE, 2009. Serum 25-hydroxyvitamin D Status of Vegetarians, Partial Vegetarians, and Nonvegetarians: The Adventist Health Study-2. American Journal of Clinical Nutrition, 89(5):1686–1692.
- Chatterjee M, Chakrabarty S, Dutta N, Mukherji D dan Bharati P, 2009. Sexual Maturation and Physical Status Among the Adolescent Jain Girls of Jabalpur, Madhya Pradesh, India., Anthropologischer Anzeiger; Bericht über die biologisch-anthropologische Literatur, 67(1):65–76.
- Chin-En Y, Chi-Hua Y, Men-Chung H, Chien-Hsiang C, Yi-Chia H, 2008. Dietary Intake and Nutritional Status of Vegetarian and Omnivorous Preschool Children and Their Parents in Taiwan, Nutrition Research, 28(7):430–436.
- Clarke B, 2008. Normal Bone Anatomy and Physiology. Clinical Journal of the American Society of Nephrology, 3(Suppl 3):S131-S139.
- Clemmons DR, 2013. Physiology of Insulin-like Growth Factor I, UpToDate. Tersedia pada: <https://www.uptodate.com/contents/physiology-of-insulin-like-growth-factor-1> (Diakses: 1 Agustus 2017).
- Cramer H, Kessler CS, Sundberg T, Leach MJ, Schumann D, dan Adams J, 2017. Characteristics of Americans Choosing Vegetarian and Vegan Diets for Health Reasons. Journal of Nutrition Education and Behavior. Elsevier Inc., 49(7):561–567.

- Crane JL dan Cao X, 2014. Function of matrix IGF-1 in Coupling Bone Resorption and Formation. *Journal of Molecular Medicine*, 92(2):107–115.
- Crowe FL, Key TJ, dan Allen NE, *et al*, 2009. The Association between Diet and Serum Concentrations of IGF-I, IGFBP-1, IGFBP-2, and IGFBP-3 in the European Prospective Investigation into Cancer and Nutrition. *Cancer Epidemiol Biomarkers Prev*, 18 (5):1333-1340.
- Cullum-Dugan D dan Pawlak R, 2015. Position of the Academy of Nutrition and Dietetics: Vegetarian Diets. *Journal of the Academy of Nutrition and Dietetics*, 115(5):801–810.
- Cupisti A, D'Allessandro C, Gesualdo L, Cosola C, Gallieni M, Egidi MF, dan Fusaro M, 2017. Non-traditional Aspects of Renal Diets: Focus on Fiber, Alkali and Vitamin K1 Intake. *Nutrients*, 9(5)1–15.
- Department of Family Medicine, 2009. Vegan Diets for Infants, Children and Adolescents. University of Wisconsin Integrative Medicine, 1-3.
- Dewell A, Weidner G, Sumner MD, Barnard RJ, Marlin RO, Daubenmier JJ, dan Chi C, 2007. Relationship of Dietary Protein and Soy Isoflavones to Serum IGF-1 and IGF Binding Proteins in the Prostate Cancer Lifestyle Trial. *Nutrition and Cancer*, 58(1):1-7.
- Elorinne A, Alfthan G, dan Erlund I, *et al*, 2016. Food and Nutrient Intake and Nutritional Status of Finnish Vegans and Non- Vegetarians. *PloS one*, 11(2):1–14.
- Emons J, Chagin AS, Savendahl L, Karperien M, dan Wit JM, 2011. Mechanisms of Growth Plate Maturation and Epiphyseal Fusion. *Hormone Research in Pediatrics*, 75:6:383–391.

- Ernawati F, Prihatini M, Yuriestia A, 2016. Gambaran Konsumsi Protein Nabati dan Hewani Pada Anak Balita Stunting dan Gizi Kurang di Indonesia. Penelitian Gizi dan Makanan, 39(2): 95-102.
- Fengjie Z, Qiling H, Wing PT, Garvey WT, Wai Yee C, dan Chao W, 2014. Insulin Exerts Direct, IGF-I Independent Actions in Growth Plate Chondrocytes. Bone research, 2:1-10.
- Fontana L, Shew JL, Holloszy JO, dan Villareal DT, 2005. Low Bone Mass in Subjects on a Long-term Raw Vegetarian Diet. Archives of Internal Medicine, 165(6):684.
- Gazzero E dan Canalis E, 2006. Skeletal Actions of Insulin-like Growth Factors. Expert Review of Endocrinology and Metabolis., 1(1):47–56.
- Goff LM, Bell JD, So PW, Dornhorst A, dan Frost GS, 2005. Veganism and its Relationship with Insulin Resistance and Intramyocellular lipid. European journal of clinical nutrition, 59(7):291–298.
- Gordon M, Gordon E, dan Gordon A, 2008. A Nanoliposomal-Amino Acid Complex as a Potent Growth Hormone Secretagogue; a Second Look. Journal of Anti Aging Protocols, 3(4):1–18.
- Hebbelinck M dan Clarys P, 2001. Physical Growth and Development of Vegetarian Children and Adolescents. In Sabate J (ed.), Vegetarian Nutrition. Boca Raton: CRC Press, pp 173–194.
- Hebbelinck M, Clarys P dan De Malsche A, 1999. Growth, Development, and Physical Fitness of Flemish Vegetarian Children, Adolescents, and Young Adults. Am J Clin Nutr, 70:(3 Suppl):579s–585s.

- Hollinger JO, Alvarez-Urena P, Ducheyne P, Srinivan A, Baskin J, Waters H dan Gruber R, 2011. Bone Tissue Engineering: Growth Factors and Cytokines. In Ducheyne P (ed.), Comprehensive Biomaterials. Elsivier, Oxford, pp 281-301.
- Hoppe C, Udam TR, Lauritzen L, Molgaard C, Juul A dan Michaelsen KF, 2004. Animal Protein Intake, Serum Insulin-like Growth Factor I, and Growth in Healthy 2.5-y-Old Danish Children. *Am J Clin Nutr*, 80:447–452.
- Houston MS, Holly JMP, dan Feldman EL, 2005. IGF and Nutrition in Health and Disease. Totowa, New Jersey.
- Hunt JR, 2003. Bioavailability of iron, zinc, and other trace minerals from vegetarian diets. *Am J Clin Nutr*, 78(suppl):633S–9S.
- Hwa V, Oh Y, dan Rosenfeld RG, 1999. The Insulin-Like Growth Factor-Binding Protein (IGFBP) Superfamily. *Endocrine Reviews*, 20(6):761–787.
- Jogie-Brahim S, Feldman D dan Oh Y, 2009. Unraveling Insulin-like Growth Factor Binding Protein-3 Actions in Human Disease. *Endocrine Reviews*, 30(5):417–437.
- Kaaks R, Bellati C, dan Venturelli E, *et al*, 2003. Effects of Dietary Intervention on IGF-I and IGF-Binding Proteins, and Related Alterations in Sex Steroid Metabolism: the Diet and Androgens (DIANA) Randomised Trial. *European Journal of Clinical Nutrition*, 57(9):1079–1088.
- Karlberg J, 1989. On the Construction of the Infancy-Childhood-Puberty Growth Standard. *Acta paediatrica Scandinavica*, 356:26–37.
- Key TJ, Appleby PN dan Rosell MS, 2006. Health Effects of Vegetarian and Vegan Diets. *Proceedings of the Nutrition Society*, 65:35–41.

- Kini U dan Nandeesh B, 2012. Physiology of Bone Formation, Remodeling, and Metabolism. In Fogelman I, Gnanasegaran G, dan Van der wall H (eds.), Radionuclide and Hybrid Bone Imaging. Berlin: Springer Berlin Heidelberg, pp 29–44.
- Krajcovicova-Kudlackova M, Babinska K dan Valachovicova M, 2005. Health Benefits and Risks of Plant Proteins. *Bratisl Lek Listy*, 106(6–7):231–234.
- Kozhemyakina E, Lasser AB, Zelzer E, 2015. A Pathway to Bone: Signaling molecules and Transcriptions Factor Involved in Chondrocyte Development an Maturation. *Development*, 142(5):817-831.
- Krupp D, Remer T, Penczynski KJ, BolZenius K, Wudy SA, dan Buyken AE, 2016. Relevance of fruits, vegetables and flavonoids from fruits and vegetables during early life, mid-childhood and adolescence for levels of insulin-like growth factor (IGF-1) and its binding proteins IGFBP-2 and IGFBP-3 in young adulthood. *British Journal of Nutrition*, 115:527–537.
- Kulsum A, Lakshmi JA, Prakash J, 2008. Food Intake and Energy Protein Adequacy of Children from an Urban Slum in Mysore, India – a Qualitative Analysis. *Mal J Nutr*, 14(2):163–172.
- Laron Z, 2001. Insulin-like Growth Factor 1 (IGF-1): a Growth Hormone. *J Clin Pathol: Mol Pathol*, 54:311–6.
- Laskowska-Klita T, Chelchowska M, Ambroszkiewicz J, Gajewska J dan Klemarczyk, 2011. The effect of vegetarian diet on selected essential nutrients in children. *Medycyna wieku rozwojowego*, 15(3):318–25.
- Le LT dan Sabaté J, 2014. Beyond Meatless, the Health Effects of Vegan Diets: Findings from the Adventist Cohorts. *Nutrients*, 6(6): 2131–2147.

- Leung SSF, Lee R, dan Sung R, *et al*, 2001. Growth and Nutrition in Chinese vegetarian in Hong Kong. *J Paediatr Child Health*, 37:247–253.
- Leung SSF, Chan Sm, Lui S, Lee W, dan Davies DP, 2000. Growth and Nutrition of Hong Kong Children Aged 0-7 Years. *Journal of Paediatrics and Child Health*, 36(1):56–65.
- Levine MA, 2012. Assessing Bone Health in Children and Adolescents. *Indian journal of endocrinology and metabolism*, 16(Suppl 2):S205-12.
- Lofqvist C, Andersson E, Gelander L, Rosberg S, Blum WF, dan Wikland KA, 2001. Reference Values for IGF-I Throughout Childhood and Adolescence: A Model that Accounts Simultaneously for the Effect of Gender, Age, and Puberty. *Journal of Clinical Endocrinology and Metabolism*, 86(12):5870–5876.
- Mackie EJ, Tatarczuch L, dan Mirams M, 2011. The Skeleton: A Multi-functional Complex Organ. The Growth Plate Chondrocyte and Endochondral Ossification. *Journal of Endocrinology*, 211(2):109–121.
- Mangels AR, 2014. Bone Nutrients for Vegetarians. *American Journal of Clinical Nutrition*, 100(supp. 1):469S-75S.
- Mao X, Shen X, dan Tang W, *et al*, 2015. Prevalence of Vegetarians and Vegetarian's Health Dietary Behavior Survey in Shanghai. *Wei Sheng Yan Jiu*, 44:2:237–241.
- Matusik P, Klesiewicz M, Klos K, Stasiulewicz M, Barylak A, Nazarkiewicz P, dan Malecka-Tendera E. 2016. Baseline Body Composition in Prepubertal Short Stature Children with Severe and Moderate Growth Hormone Deficiency. *International Journal of Endocrinology*, 2016:1-6.

- McCarty M, 1999. Vegan Poteins May Reduce Risk of Cancer, Obesity, and Cardiovascular Disease by Promoting Increased Glucagon Activity. *Medical Hypotheses*, 53(6):459–485.
- McEvoy CT, Temple N dan Woodside JV, 2012. Vegetarian Diets, Low-meat Diets and Health: a Review. *Public Health Nutrition*, 15(12):2287–2294.
- Menteri Kesehatan Republik Indonesia, 2013. Peraturan Menteri Kesehatan Republik Indonesia Nomor 75 tahun 2013. Angka Kecukupan Gizi yang Dianjurkan Bagi Bangsa Indonesia.
- Michaelsen KF, 2013. Effect of protein intake from 6 to 24 months on insulin-like growth factor 1 (IGF-1) levels, body composition, linear growth velocity, and linear growth acceleration: What are the implications for stunting and wasting?. *Food and Nutrition Bulletin*, 34(2):268-271.
- Murrills R, 2006. Parathyroid Hormone and Bone Cells. *Clinical Reviews in Bone and Mineral Metabolism*, 4(4):233–257.
- Nair KPM dan Augustine LF, 2018. Country-Specific Nutrient Requirements & Recommended Dietary Allowances for Indians: Current Status & Future Directions. *Indian J Med Res*, 148:522-530.
- Nathan I, Hackett AF, dan Kirby S, 1997. The Diatary Intake and Growth of Vegetarian Children (aged 7-11 years) Compared with Omnivores in North West England. *European Journal of Clinical Nutrition*, 51:20-25.
- Nilsson O, Marino R, De Luca F, Phillip M, dan Baron J, 2005. Endocrine Regulation of the Growth Plate. *Hormone Research*, 64(4):157–165.

- Norris J, 2018. Evidence-Based Nutrient Recommendations: Protein Part 2.
<https://veganhealth.org/protein-part-2/>
- O Connell JM, Dibley MJ, Sierra J, Wallace B, Marks JS, Yip R, 1988. Growth of Vegetarian Children: The Farm Study. *Pediatrics*, 84(3):475-481.
- Pei-Ra L dan Bistrian BR, 2004. Nutrition and IGF Proteins in Chronic Malnutrition and Critical Illness. In Houston MS, Holly JMP, Feldman EL (eds.) *IGF and Nutrition in Health and Disease*, pp 53–74.
- Phillips F, 2005. Vegetarian Nutrition Update. London: British Nutrition Foundation Bulletin, 30:132-167.
- Putet G, Labaune JM, dan Mace K, et al 2016. *Br J Nutr.*, 115(2):271-84. Effect of dietary protein on plasma insulin-like growth factor-1, growth, and body composition in healthy term infants: a randomised, double-blind, controlled trial (Early Protein and Obesity in Childhood (EPOCH) study).
- Remer T, Pietrzik K, dan Manz F, 1998. Short-term Impact of a Lactovegetarian Diet on Adrenocortical Activity and Adrenal Androgens. *Journal of Clinical Endocrinology and Metabolism*, 83(6):2132–2137.
- Rinderknecht E dan Humbel RE, 1978. The Amino Acid Sequence of Human Insulin-like Growth Factor I and Its Structural Homology with Proinsulin. *J. Biol. Chem.*, 253(8):2769–2776.
- Rizzo NS, Jaceldo-Siegl K, Sabate J, dan Fraser GE, 2013. Nutrient Profiles of Vegetarian and Non Vegetarian Dietary Patterns. *J Acad Nutr Diet*, 113(12):1610–1619.

- Robson H, Siebler T, Shalet SM, dan Williams GR, 2002. Interactions Between GH, IGF-I, Glucocorticoids, and Thyroid Hormones During Skeletal Growth. *Pediatric Research*, 52(2):137–147.
- Roelfsem V, Clark RG, 2001. The Growth Hormone and Insulin-like Growth factor Axis: Its Manipulation for the Benefit of Growth Disorders in Renal Failure. *J Am Soc Nephrol.*, 12:1297-1306.
- Rogol AD, Clark PA, dan Roemmich JN, 2000. Growth and Pubertal Development in Children and Adolescents: Effects of Diet and Physical Activity. *Am J Clin Nutr*, 72:521S–528S.
- Roman P, Qin D, dan Marta S, 2017. Vegetarian Children and Adolescents' Anthropometric Characteristics do not Significantly Differ from Their Non-Vegetarian Counterparts. *Integrative Food, Nutrition and Metabolism*, 4(3):1–4.
- Roselló-Díez A dan Joyner AL, 2015. Regulation of Long Bone Growth in Vertebrates; It is Time to Catch up. *Endocrine Reviews*, 36(6):646–680.
- Rosell M, Appleby P, dan Key T, 2005. Height, Age at Menarche, Body Weight and Body Mass Index in Life-long Vegetarians. *Public Health Nutrition*, 8(7):870-875.
- Sabate J, Kristian DL, Ralph DH, dan Sanchez A, 1991. Attained Height of Lacto Ovo Vegetarian. *European Journal of Clinical Nutrition*, 45:51–58.

- Samsa WE, Zhou X dan Zhou G, 2017. Signaling Pathways Regulating Cartilage Growth Plate Formation and Activity. *Seminars in Cell & Developmental Biology*. Elsevier Ltd, 62:3–15.
- Sanders T dan Manning J, 1992. The Growth and Development of Vegan Children. *Journal of Human Nutrition and Dietetics*, 5(1):11–21.
- Schmidt JA, Rinaldi S, dan Scabert A, 2016. Plasma Concentrations and Intakes of Amino Acids in Male Meat-eaters, Fish-eaters, Vegetarians and Vegans: a Cross-Sectional Analysis in the EPIC-Oxford Cohort. *European Journal of Clinical Nutrition*. Nature Publishing Group, 70(3):306–312.
- Schürmann S, Kersting M, dan Alexy U, 2017. Vegetarian Diets in Children: a Systematic Review. *European Journal of Nutrition*. Springer Berlin Heidelberg, 56(5):1797–1817.
- Semba RD, Shardell M, dan Ashour FAS, 2016. Child Stunting is Associated with Low Circulating Essential Amino Acids. *EBioMedicine*, 6:246–252.
- Shao YY, Wang L, dan Ballock RT, 2006. Thyroid Hormone and the Growth Plate. *Rev Endocr Metab Disord*, 7(4):265–71.
- Shapiro F dan Flynn E, 2015. Structural Differences in Epiphyseal and Physeal Hypertrophic Chondrocytes. *BoneKEy Reports*, 4:663:1–11.
- Shull MW, Robert RB, Isabelle V, Ruth P, dan Thorne HDJT, 1977. Velocities of Growth in Vegetarian Preschool Children. *Pediatrics*, 60(4):410–417.
- Siahaan G, Nainggolan E, dan Lestrina D, 2015. Hubungan Asupan Zat Gizi dengan Trigliserida dan Kadar Glukosa Darah pada Vegetarian. *Indonesian Journal of Human Nutrition*, 2(1):48–59.

- Siwanowicz I, Popowics GM, dan Wisniewska M, 2005. Structural Basis for the Regulation of Insulin-like Growth Factors by IGF Binding Proteins. *Structure*, 13:155–167.
- Sobiecki JG, Appleby PN, Bradbury KE, dan Key TJ, 2016. High Compliance with Dietary Recommendations in a Cohort of Meat Eaters, Fish Eaters, Vegetarians, and Vegans: Results from the European Prospective Investigation into Cancer and Nutrition-Oxford study. *Nutrition Research*, 36(5):464–477.
- Soldin OP, Dahlin JRB, Gresham EG, King J, dan Soldin SJ, 2008. IMMULITE® 2000 age and sex-specific reference intervals for alpha fetoprotein, homocysteine, insulin, insulin-like growth factor-1, insulin-like growth factor binding protein-3, C-peptide, immunoglobulin E and intact parathyroid hormone. *Clin Biochem*, 41(12):937–942.
- Sovio U, Bennet AJ, dan Millwood IY, *et al*, 2009. Genetic determinants of height growth assessed longitudinally from infancy to adulthood in the northern finland birth cohort 1966. *PLoS Genetics*, 5(3)1–8.
- Späth SS, Andrade AC, Chau M, Nilsson O, 2011. Local Regulation of Growth Plate Cartilage, *Endocrine Development*, 21:12–22.
- Takahashi Y, 2017. The Role of Growth Hormone and Insulin-Like Growth Factor-I in the Liver. *International Journal of Molecular Sciences*, 18:1–13.
- Tanner J dan Davies PS, 1985. Clinical Longitudinal Standards for Height and Height Velocity for North American Children. *The Journal of Pediatrics*, 107(3):317–329.

- Tessema M, Gunaratna NS, dan Brouwer ID, et al,2018. Associations among High-Quality Protein and Energy Intake, Serum Transthyretin, Serum Amino Acids and Linear Growth of Children in Ethiopia. *Nutrients*, 10:1-17.
- Thissen J, Beauloye V, Ketelslegers JM, dan Underwood LE. Regulation of Insulin-Like Growth Factor-I by Nutrition. In Houston MS, Holly JMP, dan Feldman EL (eds), *IGF and Nutrition in Health and Disease*. Totowa, New Jersey: Humana Press Inc, pp 25–52.
- Thissen J, Ketelslegers J dan Underwood LE, 1994. Nutritional Regulation of the Insulin-Like Growth-Factors. *Endocrine reviews*, 15(1):80–101.
- Tonstad S, Nathan E, Oda K, dan Fraser G, 2011. Vegan Diets and Hypothyroidism. *Nutrients*, 5(11):4642–4652.
- Tse WY, Hindmarsh PC, dan Brook C, 1989. The Infancy-Childhood-Puberty Model of. *Acta paediatrica Scandinavica*, 356:38–43.
- Tucker KL 2014, Vegetarian Diets and Bone Status. *The American Journal of Clinical Nutrition*, 100:329–335.
- Winckel MV, Velde SV, Bruyne RD, dan Biervliet SV, 2011, Clinical Practice: Vegetarian Infant and Child Nutrition. *Eur J of Pediatr*, 170(12):1489–1494.
- Wang L, Shao YY dan Ballock RT, 2010. Thyroid Hormone-mediated Growth and Differentiation of Growth Plate Chondrocytes Involves IGF-1 Modulation of Beta-catenin Signaling. *Journal of Bone and Mineral Research*, 25(5):1138–1146.
- Wang Y, Bikle DD dan Chang W, 2013. Autocrine and Paracrine Actions of IGF-I Signaling in Skeletal Development. *Bone Research*. Sichuan University, 1(3):249–259.

- Wit JM dan Camacho-Hubner C, 2011. Endocrine Regulation of Longitudinal Bone Growth. In Camacho-Hubner C, Nilsson O, dan Savendahl L (eds), Cartilage and Bone Development and Its Disorders. Basel: Karger, pp 30–41.
- Wuell M dan Vortkamp A, 2011. Chondrocyte Proliferation and Differentiation. In Camacho-Hubner C, Nilsson O, dan Savendahl L (eds), Cartilage and Bone Development and Its Disorders. Basel: Karger, pp 1–11.
- Wuell M dan Vortkamp A, 2016. Molecular Control of Cartilage Differentiation. In Grassel, Aszodi A (eds) Cartilage Volume 1: Physiology and Development. Physiology and Development. Switzerland: Springer, pp 191–214.
- Xu S, Gu S, Pan H, Zhu H, Gong F, Li Y, Xing Y, 2010. Reference Ranges for Serum IGF-1 and IGFBP-3 Levels in Chinese Children During Childhood and Adolescence. *J-Stage Endocrine journal*, 57(3):221-228.
- Yadav P, 2015. Modelling Loading and Growth of Long Bones. Thesis, Royal Institute of Technology, Sweden.
- Yakar S, Rosen CJ, dan Beamer WG, *et al*, 2002. Circulating Levels of IGF-1 Directly Regulate Bone Growth and Density. *J. Clin. Invest.*, 110(6):771–781.
- Yüksel B, Ozbek N, dan Mungan O, *et al*, 2011. Serum IGF-1 and IGFBP-3 Levels in Healthy Children Between 0 and 6 years of Age. *Journal of clinical research in pediatric endocrinology*, 3(2):84–8.