

## **DAFTAR PUSTAKA**

1. WHO. Reducing stunting in children: equity considerations for achieving the Global Nutrition Targets 2025. Geneva: World Health Organization; 2018. Licence: CC BY-NC-SA 3.0 IGO.
2. Kementerian Kesehatan Republik Indonesia. Situasi balita pendek (stunting) di Indonesia. Buletin Jendela Data Informasi Kesehatan. Jakarta; 2018. hlm. 6–17.
3. Kementerian Kesehatan Republik Indonesia. Laporan pelaksanaan integrasi Susenas Maret 2019 dan SSGBI tahun 2019. Badan Pusat Statistik. Jakarta; 2019. hlm.15–23.
4. Kementerian Kesehatan Badan Penelitian dan Pengembangan Kesehatan. Hasil utama Riskesdas 2018. Jakarta: Kementerian Kesehatan Badan Penelitian dan Pengembangan Kesehatan Republik Indonesia; 2018. [diunduh 20 Desember 2019]. Tersedia dari: [http://kesmas.kemkes.go.id/assets/upload/dir\\_519d41d8cd98f00/files/Hasil-riskesdas-2018\\_1274.pdf](http://kesmas.kemkes.go.id/assets/upload/dir_519d41d8cd98f00/files/Hasil-riskesdas-2018_1274.pdf).
5. WHO. Nutrition Landscape Information System (NLiS). [diunduh 20 Desember 2019]. Tersedia dari: <https://apps.who.int/nutrition/landscape/help.aspx?menu=0&helpid=391&lang=EN>.

6. Peraturan Presiden Republik Indonesia Nomor 59 Tahun 2017 tentang Pelaksanaan Pencapaian Tujuan Pembangunan Berkelanjutan. Jakarta; 2017. [diunduh 3 Januari 2020]. Tersedia dari <https://www.sdg2030indonesia.org/>.
7. Hardjoedi AT, Aditiawati, Pulungan AB, Marzuki NS, Rini EA, Himawan IW, dkk. Perawakan pendek pada anak dan remaja di Indonesia. Dalam: Batubara JRL, Tjahjono HA, Aditiawati, penyunting. Panduan praktik klinis UKK Endokrinologi Ikatan Dokter Anak Indonesia. Jakarta: Badan Penerbit Ikatan Dokter Anak Indonesia. 2017. hlm.1–6.
8. Sjarif DR. Nasar SS, Devaera Y, Tanjung CF. Asuhan nutrisi pediatrik. Rekomendasi UKK Nutrisi Penyakit Metabolik Ikatan Dokter Anak Indonesia. Jakarta: Badan Penerbit Ikatan Dokter Anak Indonesia; 2011.
9. World Health Organization. Nutrition. Stunting in a nutshell. [diunduh 5 Januari 2020]. Tersedia dari: [https://www.who.int/nutrition/healthygrowthproj\\_stunted\\_videos/en/](https://www.who.int/nutrition/healthygrowthproj_stunted_videos/en/)
10. Novina N, Walenkamp M. Management of children with short stature. Pediatr Oncall J. 2019;16:35–42.
11. Karlberg J. On the construction of the infancy-childhood-puberty growth standard. Acta Paediatr Scand Suppl. 1989;356:26–37.
12. Yakar S, Werner H, Rosen CJ. Insulin-like growth factors: actions on the skeleton. J Mol Endol. 2018;61:115–37.
13. Williams GR. Thyroid hormone actions in cartilage and bone. Eur Thyroid J. 2013;2:3–13.

14. Murray PG, Clayton PE. Disorders of growth. Dalam: Dattani MT, Brook CGD, penyunting. Brook's clinical pediatric endocrinology. Edisi ke-7. UK: John Wiley & Sons Ltd; 2020. hlm.199–234
15. Huh SY, Gordon CM. Vitamin D deficiency in children and adolescents: epidemiology, impact and treatment. *Rev Endocr Metab Dis.* 2008;9(2):161–70.
16. Setiawati R, Rahardjo P. Bone development and growth. Dalam: Yang H, penyunting. Osteogenesis and bone regeneration. 2018. Intechopen.com. [diunduh 6 Februari 2020]. Tersedia dari: <https://www.intechopen.com/books/osteogenesis-and-bone-regeneration/bone-development-and-growth>
17. Abdou S, El-Boghdady N, Abd El-Maksoud A, Khairy S, El-Sawalhi M. Evaluation of insulin-like growth factor-1, total ghrelin, and insulin resistance in nutritionally stunted Egyptian children. *Bull Fac Pharmacy Cairo Univ.* 2019;57(1):55–65.
18. Mamabolo RL, Alberts M, Levitt NS, Delemarre-van de Waal HA, Steyn NP. Association between insulin-like growth factor-1, insulin-like growth factor-binding protein-1 and leptin levels with nutritional status in 1–3-year-old children, residing in the central region of Limpopo Province, South Africa. *Br J Nutr.* 2007;98:762–9.
19. Therrel BL, Padilla CD, Loeber JG, Kneisser I, Saadallah A, Borrajo GJC, dkk. Current status of newborn screening worldwide: 2015. *Semin Perinatol.* 2015; 39:171–87.

20. Pritayati NP, Utari A, Rustama DS, Soenggoro EP, Marzuki ANS, Pulungan AB, dkk. Diagnosis dan tatalaksana hipotiroid kongenital. Dalam: Pritayati NP, Utari A, Tridjaja B, penyunting. Panduan praktik klinis UKK Endokrinologi Ikatan Dokter Anak Indonesia. Jakarta: Badan Penerbit Ikatan Dokter Anak Indonesia. 2017. hlm. 1–9.
21. Dhanjal GS, Singh M. Thyroid hormone status in children with protein energy malnutrition a hospital based case control study. *Int J Contemp Pediatr.* 2017;4(2):2–6.
22. Shaheen B, Haji IM, Suma MN. Serum FT3, FT4, TSH and proteins in children with protein energy malnutrition. *Int J Pharm Bio Sci.* 2013;4(3):834–9.
23. Adamczewska K, Adamczewski Z, Lupinska A, Lewinski A, Stawerska R. Strong positive correlation between TSH and ghrelin in euthyroid non-growth hormone-deficient children with short stature. *Molecules.* 2020;25:3912.
24. Gutch M, Kumar S, Moh Razi S, Gupta A, Kumar S, Gupta KK, dkk. Prevalence of short stature in juvenile hypothyroidism and the impact of treatment on various skeletal manifestation and growth velocity in a tertiary care center. *Chrismed J Health Res.* 2015;2:251–6.
25. Walli NZ, Munubhi Ek, Aboud S, Manji KP. Vitamin D levels in malnourished children under 5 years in a tertiary care center at Muhimbili national hospital, Dar es Salaam, Tanzania—a cross-sectional study. *J Trop Pediatr.* 2017;63:203–9.

26. Mokhtar RR, Holick MF, Sempértegui F, Griffiths JK, Estrella B, Moore LL, dkk. Vitamin D status is associated with underweight and stunting in children aged 6-36 months residing in the Ecuadorian Andes. *Public Health Nutr.* 2018;21(11):1974–85.
27. Kurniasari Y, Juffrie M, Sitaresmi N, Jamil MD. Kadar kalsium serum pada anak stunting dan tidak stunting usia 24-59 bulan. *J Gizi Klin Indones.* 2016;12(3):108–15.
28. Ibrahim SA, El-Maksoud AA, Samy MA, Mattar MK, Sarhan AA, Hassan HA. Bone mineral density and bone markers among stunted Egyptian adolescents. *J Nutr Environ Med.* 2003;13(2):93–101.
29. Argente J, Tatton-Brown K, Lehwalder D, Pfäffle R. Genetics of growth disorders - Which patients require genetic testing? *Front Endocrinol.* 2019;10:1–15.
30. Laron Z. Insulin-like growth factor 1 (IGF-1): a growth hormone. *Clin Mol Pathol.* 2001;54(5):311.
31. Clemmons DR. IGF binding proteins and their functions. *Mol Reprod Dev.* 1993;35(4):368–75.
32. Pakkila F. Thyroid function of mother and child and their impact on the child's neuropsychological development. Oulu: Oulu University Press; 2016.
33. Tarım Ö. Thyroid hormones and growth in health and disease. *J Clin Res Pediat E.* 2011;3(2):51.
34. LaFranchi SH, Huang SA. Thyroid development and physiology. Dalam: Kliegman RM, Stanton BF, St Geme III JW, Schor NF, Behrman RE,

- penyunting. Nelson textbook of pediatrics. Edisi ke-20. Philadelphia: Elsevier; 2016. hlm. 2664–72.
35. Léger J, Forhan A, Dos Santos S, Larroque B, Ecosse E, Charles M-A, dkk. Developmental milestones at one year for the offspring of mothers with congenital hypothyroidism: a population-based study. *Eur J Endocrinol*. 2018;178(5):471–80.
  36. Ahad F, Ganie SA. Iodine, iodine metabolism and iodine deficiency disorders revisited. *Indian J Endocr Metab*. 2010;14(1):13.
  37. Rovet JF. The role of thyroid hormones for brain development and cognitive function. *Endocr Dev*. 2014;26:26–43.
  38. Kim H-Y, Mohan S. Role and mechanisms of actions of thyroid hormone on the skeletal development. *Bone Res*. 2013;1:146–61.
  39. Bassett JD, Williams GR. Role of thyroid hormones in skeletal development and bone maintenance. *Endocrine Rev*. 2016;37(2):135–87.
  40. Benyi E, Savendahl L. The physiology of childhood growth: Hormonal regulation. *Horm Res Paediatr*. 2017;88:6–14.
  41. Lifshitz F. Nutrition and growth. *J Clin Res Ped Endo*. 2009;1(14):157–63.
  42. Hawkes CP, Grimberg A. Insulin-like growth factor-1 is a marker for the nutritional state. *Ped Endocrinol Rev*. 2015;13:465–77.
  43. Kelly A, Levine MA. Disorders of bone and mineral metabolism. Dalam: Kappy MS, Allen DB, Geffner ME, penyunting. *Pediatric practice endocrinology*. US: McGraw-Hill Co; 2010. hlm. 191–252.

44. Kini U, Nandeesh B. Physiology of bone formation, remodeling, and metabolism. Radionuclide and hybrid bone imaging. Berlin: Springer; 2012. hlm.29–57.
45. Sarko J. Bone and mineral metabolism. *Emerg Med Clin N Am.* 2005;23(3):703–21.
46. Hollick MF. Vitamin D deficiency. *N Engl J Med.* 2007;357:266–81
47. Allgrove J. Physiology of calcium, phosphate, magnesium and vitamin D. Dalam: Calcium and bone disorders in children and adolescents. USA: Karger Publishers; 2015. hlm. 7–32.
48. Shoback D, Sellmeyer D, Bikle D. Metabolic bone disease. Dalam: Gardner DG, Shoback D, penyunting. Basic & clinical endocrinology. Edisi ke-8. United States of America: McGraw-Hill; 2007. hlm. 281–345.
49. Uday S, Fratz-Zelman N, Roschger P, Klaushofer K, Chikermane A, Saraff V dkk. Cardiac, bone and growth plate manifestations in hypocalcemic infants: revealing the hidden body of the vitamin D deficiency iceberg. *BMC Pediatr.* 2018;18:183.
50. Holick MF, Binkley NC, Bischoff-Ferrari HA, Gordon CM, Hanley DA, Heaney RP, dkk. Evaluation, treatment, and prevention of vitamin d deficiency: an Endocrine society clinical practice guideline. *J Clin Endocrinol Metab.* 2011;96(7):1911–30.
51. Pulungan A, Soesanti F, Tridjaja B, Batubara JR. Vitamin D insufficiency and its contributing factors in primary school-aged children in Indonesia, a

- sun-rich country. profile in healthy children aged 7-12 years old in Indonesia. Ann Pediatr Endocrinol Metab. 2021;26:92–8.
52. Valentina V, Palupi N, Andarwulan N. Calcium and vitamin D intake of Indonesian children 2-12 years old. J Teknol Industri Pangan. 2014;25(1):83–9.
  53. Ernawati F, Budiman B. Status vitamin D terkini anak Indonesia usia 2, 0–12, 9 Tahun. Gizi Indones. 2015;38(1):73–80.
  54. Glerup H, Mikkelsen K, Poulsen L, Hass E, Overbeck S, Thomsen J, et al. Commonly recommended daily intake of vitamin D is not sufficient if sunlight exposure is limited. J Intern Med. 2000;247(2):260–8.
  55. Battault S, Whiting SJ, Peltier SL, Sadrin S, Gerber G, Maixent JM. Vitamin D metabolism, functions and needs: from science to health claims. Eur J Nutr. 2012;52(2):429–41.
  56. Lips P. Interaction between vitamin D and calcium. Scand J Clin Lab Investig. 2012;72(sup243):60–4.
  57. Need AG, O'Loughlin PD, Morris HA, Coates PS, Horowitz M, Nordin BC. Vitamin D metabolites and calcium absorption in severe vitamin D deficiency. J Intern Med. 2008;263(11):1859–63.
  58. Iheagwara OS, Ing TS, Kjellstrand CM, Lew SQ. Phosphorus, phosphorous, and phosphate. Hemodial Int. 2013;17(4):479–82.
  59. Uwitonze AM, Razzaque MS. Role of magnesium in vitamin D activation and function. J Am Osteopath Assoc. 2018;118:1–10.

60. Turan S, Topcu B, Gokce I, Guran T, Atay Z, Omar A, dkk. Serum alkaline phosphatase levels in healthy children and evaluation of alkaline phosphatase z-scores in different types of rickets. *J Clin Res Ped Endocrinol.* 2011;3(1):7–11.
61. Khan M, Jose A, Sharma S. Physiology, Parathyroid Hormone. Dalam: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023. [diunduh 3 Maret 2020]. Tersedia dari: <https://www.ncbi.nlm.nih.gov/books/NBK499940/>
62. Lejnieks A, Slaidina A, Zvaigzne A, Soboleva U, Eivazova G, Daukste I, dkk. Vitamin D status and its seasonal variations and association with parathyroid hormone concentration in healthy women in Riga. *Medicina.* 2013;49(7):51.
63. Martins JS, Palhares MdO, Teixeira OCM, Gontijo Ramos M. Vitamin D status and its association with parathyroid hormone concentration in Brazilians. *Nutr Metab.* 2017;2017:9056470.
64. Quaggiotto P, Tran H, Bhanugopan M. Vitamin D deficiency remains prevalent despite increased laboratory testing in New South Wales, Australia. *Singapore Med J.* 2014;55(5):271.
65. Hilali J, de Koning EJ, van Ballegooijen AJ, Lips P, Sohl E, van Marwijk HW, dkk. Vitamin D, PTH and the risk of overall and disease-specific mortality: results of the longitudinal aging study Amsterdam. *J Steroid Biochem.* 2016;164:386–94.

66. Arabi A, Baddoura R, El-Rassi R, Fuleihan GE-H. Age but not gender modulates the relationship between PTH and vitamin D. *Bone*. 2010;47(2):408–12.
67. Braun LR, Marino R. Disorders of growth and stature. *Ped Rev*. 2017;38(7):293–304.
68. Ismail H, Ness K. Evaluation of short stature in children. *Pediatr Ann*. 2013;42(11):e227–32.
69. Nicol LE, Allen DB, Czernichow P, Zeitler P. Normal growth and growth disorder. Dalam: Kappy MS, Allen DB, Geffner MB, penyunting. *Pediatric Endocrinology*. United States: McGraw-Hill; 2010. hlm. 23–77.
70. WHO. WHO child growth standards. *Dev Med Child Neurol*. 2009;51(12):1002.
71. Prendergast AJ, Humphrey JH. The stunting syndrome in developing countries. *Paediat Int Child Health*. 2014;34(4):250–65.
72. Scheffler C, Hermanusser M, Bogin B, Liana D, Taolin F, Cempaka P, dkk. Stunting is not a synonym of malnutrition. *Eur J Clin Nutr*. 2020;74(3):377–386.
73. Muljati S, Triwinarto A, Utami N, Hermina H. Gambaran median tinggi badan dan berat badan menurut kelompok umur pada penduduk indonesia yang sehat berdasarkan hasil Riskesdas 2013. *Penelitian Gizi Makanan*. 2016;39:137–44.
74. Novina N, Hermanusser M, Scheffler C, Pulungan AB, Ismiarto YD, Andriyana Y, dkk. Indonesian national growth reference charts better reflect

- height and weight of children in West Java, Indonesia, than WHO child growth standards. *J Clin Res Pediatr Endocrinol.* 2020;12(4):410–9.
75. Saltzman E, Mogensen KM. Physical and clinical assessment of nutrition status. *nutrition in the prevention and treatment of disease.* 2013;14:65.
  76. Allan C, Kader UHA, Ang JYY, Muhardi L, Nambiar S. Relative validity of a semi-quantitative food frequency questionnaire for Singaporean toddlers aged 15–36 months. *BMC Nutr.* 2018;4:42.
  77. Mugo M, Kingori J, Prendiville N. Nutrisurvey software - piloting report FAO -FSAU Somalia November 2004. Food and Argicultural Organization; 2004. [diunduh 3 Maret 2020]. Tersedia dari: [http://www.nutrisurvey.de/ena/NutriSurvey\\_Test\\_FAO\\_Nairobi.pdf](http://www.nutrisurvey.de/ena/NutriSurvey_Test_FAO_Nairobi.pdf)
  78. Lakens D. Calculating and reporting effect sizes to facilitate cumulative science: a practical primer for t-tests and ANOVAs. *Front Psychol.* 2013;4:1–12.
  79. WHO. Training course on child growth assessment. WHO Child Growth Standards. Measuring child's growth.WHO; 2008.
  80. Menteri Kesehatan Republik Indonesia Nomor 2 Tahun 2020 tentang Standar Antropometri Anak. 2020. Tersedia dari: [http://hukor.kemkes.go.id/uploads/produk\\_hukum/PMK\\_No\\_2\\_Th\\_2020\\_ttg\\_Standar\\_Antropometri\\_Anak.pdf](http://hukor.kemkes.go.id/uploads/produk_hukum/PMK_No_2_Th_2020_ttg_Standar_Antropometri_Anak.pdf)
  81. CDC. Anthropometry procedures manual: national health and nutrition examination survey. CDC; 2007.

82. CDC. Body measurements (anthropometry). United States of America: National health and nutrition examination survey. CDC; 1988.
83. Elabscience®. Human IGF-1 (Insuline-like growth factor 1) ELISA kit. 2018. [diunduh 8 Maret 2020]. Tersedia dari: [https://www.elabscience.com/Manual/elisa\\_kits/E-EL-H0086.pdf](https://www.elabscience.com/Manual/elisa_kits/E-EL-H0086.pdf)
84. Bidlingmaier M, Friedrich N, Emeny RT. Reference intervals for insulin-like growth factor-1 (IGF-1) from birth to senescence: results from a multicenter study using a new automated chemiluminescence IGF-1 immunoassay conforming to recent international recommendations. *J Clin Endocrinol Metab*. 2014 May;99(5):1712–21.
85. Siemens. Advia Centaur® XP and Advia Centaur® XPT. Immunoassay systems. TSH3-Ultra. Siemens; 2020. hlm. 1–14.
86. Rapa A, Monzani A, Moia S, Vivenza D, Bellone S, dkk. Subclinical hypothyroidism in children and adolescents: a wide range of clinical, biochemical, and genetic factors involved. *J Clin Endocrinol Metab*. 2009;94(7):2414 –20.
87. Siemens. Advia Centaur® XP and Advia Centaur® XPT. Immunoassay systems. FT4. Siemens; 2020. hlm. 1–12.
88. Euroimun Perkin Elmer. 25-OH vitamin D ELISA. 2018. [diunduh 8 Maret 2020]. Tersedia dari: [https://www.euroimmun.com/documents/Indications/Antigen-detection/Bone-metabolism/Vitamin-D/EQ\\_6411\\_D\\_UK\\_A.pdf](https://www.euroimmun.com/documents/Indications/Antigen-detection/Bone-metabolism/Vitamin-D/EQ_6411_D_UK_A.pdf)
89. Gandasoebrata R. Penuntun laboratorium klinik. Jakarta: Dian Rakyat; 2013.

90. Pagana KD, Pagana TJ, Pagana TN. Calsium ion. Mosby's diagnostic & laboratory test reference. Edisi ke-14. St. Louis: Elsevier; 2019.
91. Goyal R, Jialal I. Hyperphosphatemia. StatPearls. Treasure Island. [diunduh 21 Juni 2022]. Tersedia dari: <https://www.ncbi.nlm.nih.gov/books/NBK551586/#>
92. Rosanoff A, West C, Elin R, Micke O, Baniasadi S, Barbagallo M. Recommendation on an updated standardization of serum magnesium reference ranges. Eur J Nutr. 2022;61(7):3697–706.
93. Kabupaten Bandung. Peta dan topografi Kabupaten Bandung [diunduh 20 Mei 2023]. Tersedia dari: <https://bandungkab.go.id/arsip/peta-dan-topografi>.
94. Badan Pusat Statistik Kabupaten Bandung. Upah minimum Kabupaten Bandung (juta rupiah), tahun 2018-202. [diunduh tanggal 22 Juli 2023]. Tersedia dari: <https://bandungkab.bps.go.id/indicator/19/345/1/upah-minimum-kabupaten-bandung-tahun.html>
95. Yoon SJ, Lim J, Han JH, Shin JE, Lee SM, Eun HS, dkk. Identification of growth patterns in low birth weight infants from birth to 5 years of age: Nationwide Korean cohort study. Int J Environ Res Public Health. 2021;18:1206.
96. Durá-Travé T, Martín-García IS, Gallinas-Victoriano F, Malumbres-Chacón M, Moreno-González P, Urretavizcaya-Martinez M. Characteristics of catch-up growth in very low birth weight infants (<1500 g). Dalam: Tsikouras P, Nikolettos N, Rath W, Tempelhoff GFV, penyunting. Current topics in caesarean section [Internet]. London: IntechOpen; 2021 [diunduh 9 Januari

- 2023]. Tersedia dari: <https://www.intechopen.com/chapters/75863> doi: 10.5772/intechopen.96933
97. Saenger P, Czernichow P, Hughes I, Reiter EO . Small for gestational age: short stature and beyond. *Endocrinol Rev.* 2007; 28(2):219–51.
  98. Matsumoto M, Nagano N, Awano H, Ohyama S, Fujioka K, Iwatani S, dkk. Incidence and neonatal risk factors of short stature and growth hormone treatment in Japanese preterm infants born small for gestational age. *Sci Rep.* 2019;9:12238.
  99. Cianfarani S, Germani D, Rossi P, Rossi L, Germani A, Ossicini C, dkk. Intrauterine growth retardation: evidence for the activation of the insulin-like growth factor (IGF)-related growth- promoting machinery and the presence of a cation-independent IGF binding protein-3 proteolytic activity by two months of life. *Pediatr Res.* 1998;44:374–80.
  100. Grunt JA, Howard CP, Daughaday WH. Comparison of growth and somatomedin C responses following growth hormone treatment in children with small-for-date short stature, significant idiopathic short stature and hypopituitarism. *Acta Endocrinol.* 1984; 106:168–174.
  101. de Waal WJ, Hokken-Koelega AC, Stijnen T, de Muinck Keizer-Schrama SM, Drop SL. Endogenous and stimulated GH secretion, urinary GH excretion, and plasma IGF-I and IGF-II levels in prepubertal children with short stature after intrauterine growth retardation. The Dutch Working Group on Growth Hormone. *Clin Endocrinol.* 1994; 41: 621–630

102. Jones JI, Clemons DR: Insulin-like growth factors and their binding proteins: biological actions. *Endocr Rev.* 1995;16:3–34.
103. Johnston LB, Dahlgren J, Leger J, Gelander L, Savage MO, Czernichow P, dkk. Association between insulin-like growth factor I (IGF-I) polymorphisms, circulating IGF-I, and pre- and postnatal growth in two European small for gestational age populations. *J Clin Endocrinol Metab.* 2003;88:4805– 10.
104. Cianfarani S, Ladaki C, Geremia. Hormonal regulation of postnatal growth in children born small for gestational age. *Horm Res.* 2006;65(suppl 3):70–4.
105. Shalitin S, Lebenthal Y, Phillip M. Children born small for gestational age: growth patterns, growth hormone treatment and long-term sequelae. *IMAJ.* 2003;5:877–82.
106. Iñiguez G, Ong K, Peña V, Avila A, Dunger D, Mericq V. Fasting and post-glucose ghrelin levels in SGA infants: relationships with size and weight gain at one year of age. *J Clin Endocrinol Metab.* 2002 Dec;87(12):583–3.
107. Jaquet D, Leger J, Levy-Marchal C, Oury JF, Czernichow P. Ontogeny of leptin in human fetuses and newborns: effect of intrauterine growth retardation on serum leptin concentrations. *J Clin Endocrinol Metab.* 1998 Apr;83(4):1243–6.
108. Sari N, Manjorang MY, Zakiyah, Randell M. Exclusive breastfeeding history risk factor associated with stunting of children aged 12-23 months. *Nat Pub Health J.* 2021;16(1):28–32.

109. Kunchenbecker J, Jordan I, Reinbott A, Herrmann J, Jeremias T, Kennedy G, dkk. Exclusive breastfeeding and its effect on growth of Malawian infants: results from a cross-sectional study. *Paediatr Int Child Health.* 2015; 35(1):14–23
110. Anindya IG, Salimo H, Dewi YLR. The association between exclusive breastfeeding, maternal nutritional status, maternal zinc intake, and stunting in infants aged 6 months. *JMCH.* 2020;5(1):35–48
111. Rusmil VK, Prahastuti TO, Luftimas DE, Hafsa T. Exclusive and non-exclusive breastfeeding among stunted and normal 6–9 month-old-children in Jatinangor Subdistrict, Indonesia. *AMJ.* 2019;6(1):35–41
112. Yilak G, Gebretsadik W, Tadesse H, Debalkie M, Bante A. Prevalence of ineffective breastfeeding technique and associated factors among lactating mothers attending public health facilities of South Ari district, Southern Ethiopia. *PLoS ONE* 15(2): e0228863. <https://doi.org/10.1371/journal.pone.0228863>
113. Rahma IM, Mutualazimah M. Correlation between family income and stunting among toddlers in Indonesia: A critical review. *Adv Health Sci Res.* 2022;49:78–86.
114. Iwayama M, Kira R, Kinukawa N, Sakai Y, Torisu H, Sanefuji M. Parental age and child growth and development: child health check-up data. *Pediatr Int.* 2011. DOI: 0.1111/j.1442-200X.2011.03331.x.

115. Hsieh T, Liou J, Hsu J, Lo LM, Chen S, Hung TH. Advance maternal age and adverse perinatal outcomes in an Asian population. *Eur J Obstet Gynecol Reprod Biol.* 2010. DOI: 10.1016/j.ejogrb.2009.08.022.
116. Attali E, Yogeve Y. The impact of advanced maternal age on pregnancy outcome. *Best Pract Res Clin Obstet Gynaecol.* 2021. DOI: 10.1016/j.bpobgyn.2020.06.006.
117. Shinsugi C, Mizumoto A. associations of nutritional status with full immunization coverage and safe hygiene practices among Thai children aged 12–59 months. *Nutrients.* 2021;14(1):34.
118. Muchlis N, Yusuf RA, Rusydi AR, Mahmud NU, Hikmah N, Qanitha A, dkk. Cigarette smoke exposure and stunting among under-five children in rural and poor families in Indonesia. *Environ Health Insights.* 2023;17:11786302231185210.
119. Addo OY, Stein AD, Fall CH, Sachdev HS, Martorell R. Maternal height and child growth patterns. *J Pediatr.* 2013. [diunduh 13 Januari 2023]. Tersedia dari: <https://doi.org/10.1016/j.jpeds.2013.02.002>
120. Su PH, Wang SL, Chen JY. Gender differences of final height contributed by parent's height among healthy individuals. *Ped & Neo.* 2011. [diunduh 13 Januari 2023]. Tersedia dari: <https://doi.org/10.1016/j.pedneo.2011.05.003>
121. Garza C, Borghi E, Onyango AW, Onis MD, WHO Multicentre Growth Reference Study Group. Parental height and child growth from birth to 2 years in the WHO multicentre growth reference study. *Matern Child Nutr.* 2013;9(2):58–68.

122. Palacio AC, Pérez-Bravo F, Santos JL, Schlesinger L, Monckeberg F. Leptin levels and IgF-binding proteins in malnourished children: effect of weight gain. *Nutrition*. 2002;18(1):17–19.
123. Li Y, Zong X, Zhang Y, Guo J, Li H. Association of body mass index with insulin-like growth factor-1 levels among 3227 Chinese children aged 2-18 years. *Nutrients*. 2023;15(8):1849.
124. Shahjadi S. Serum T3 and TSH level in severe PEM. *J Dhaka Med Coll*. 2011;20(2):174–7.
125. Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI. Riset Kesehatan Dasar 2013. [diunduh 25 Januari 2023]. Tersedia dari: <https://labmandat.litbang.kemkes.go.id/riset-badan-litbangkes/menu-riskesnas/menu-riskesdas/374-rkd-2013>
126. Amalia L, Ekawidyana KR, Khomsan A, Briawan D. Improving iodine status of children at rural area in West Java Indonesia. 2018. IPB Press. [diunduh 25 Januari 2023]. Tersedia dari: <https://repository.ipb.ac.id/handle/123456789/111787>
127. Bianco AC, da Conceição RR. The deiodinase trio and thyroid hormone signaling. *Methods Mol Biol*. 2018;1801:67–83.
128. Obregon MJ, Escobar del Rey F, Morreale de Escobar G. The effects of iodine deficiency on thyroid hormone deiodination. *Thyroid*. 2005;15(8):917–29.
129. van Stuijvenberg ME, Nel J, Schoeman SE, Lombard CJ, du Plessis LM, Dhansay MA. Low intake of calcium and vitamin D, but not zinc, iron or

- vitamin A, is associated with stunting in 2- to 5-year-old children. Nutrition. 2015 Jun;31(6):841–6.
130. Rahmadian MS, Dewi RQ, Hidayat A, Yudistira S, Wirawan F. Dietary determinants of stunting and underweight in under- five years children in Pengasinan health center's (Puskesmas) working area, Depok, West Java. IJPHN. 2023;3:19–34.
131. Munns CF, Shaw N, Kiely M, Specker BL, Thacher TD, Ozono K, dkk. Global consensus recommendations on prevention and management of nutritional rickets. Horm Res Pediatr. 2016. DOI: 10.1159/000443136
132. Sari EM, Juffrie M, Nurani N, Sitaressmi MN. Asupan protein, kalsium dan fosfor pada anak stunting dan tidak stunting usia 24-59 bulan. J Gizi Klinik Indones. 2016;12:152–159.
133. Hossain I, Nahar B, Hamadani J, Ahmad T, Roy AK, Brown K. Intestinal mucosal permeability of severely underweight and nonmalnourished Bangladeshi children and effects of nutritional rehabilitation. J Pediatr Gastroenterol Nutr. 2010;51(5):638–644.
134. Nugraheny, Dian Erika (4 Mei 2021). Prabowo, Dani, penyunting. "Varian Virus Corona B.1.17, B.1.617, dan B.1.351 Telah Masuk ke Indonesia". Kompas.com. [diunduh tanggal 14 Juli 2023]. Tersedia dari: <https://nasional.kompas.com/read/2021/05/04/06435261/varian-virus-corona>