

DAFTAR PUSTAKA

- Abduelkarem, AR *et al.* 2020, 'Obesity and its associated risk factors among school-aged children in Sharjah, UAE', *PLoS ONE*, 15(6). Available at: <https://doi.org/10.1371/journal.pone.0234244>.
- Adeomi, A, Fatusi, A & Klipstein-Grobusch, K 2021, 'Double burden of malnutrition among school-aged children and adolescents: evidence from a community-based cross-sectional survey in two Nigerian States', *AAS Open Research*, 4. Available at: <https://doi.org/10.12688/aasopenres.13257.1>.
- Agiro, BT & Huang, WC 2020, 'Re-Examining the Effect of Maternal Employment on Child Overweight: The Case of School-Age Children', *Journal of Family and Economic Issues*, 41(1). Available at: <https://doi.org/10.1007/s10834-019-09658-8>.
- Ahinkorah, BO *et al.* 2021, 'Prevalence and factors associated with the triple burden of malnutrition among mother-child pairs in sub-saharan africa', *Nutrients*, 13(6). Available at: <https://doi.org/10.3390/nu13062050>.
- Aiga, H *et al.* 2019, 'Risk factors for malnutrition among school-aged children: A cross-sectional study in rural Madagascar', *BMC Public Health*, 19(1). Available at: <https://doi.org/10.1186/s12889-019-7013-9>.
- Aka, S & Arapoğlu, M 2021, 'The association between obesity, being overweight and socio-economic status among school-age children living in big cities', *Guncel Pediatri*, 19(1). Available at: <https://doi.org/10.4274/jcp.2020.0011>.
- Alalaq, H *et al.* 2014, 'Parents education and children nutritional status aged 2 to 5 in Zambia', *The FASEB Journal* 28. Available at: <https://doi.org/10.4172/2161-1165.S1.012>.
- Alemayehu, M *et al.* 2019, 'Prevalence and correlates of anemia among children aged 6-23 months in Wolaita Zone, Southern Ethiopia', *PLoS ONE*, 14(3). Available at: <https://doi.org/10.1371/journal.pone.0206268>.
- Almatsier, S 2003, *Prinsip-Prinsip Dasar Ilmu Gizi*, Gramedia Pustaka Utama, Jakarta.
- Almuhanna, MA *et al.* 2014, 'Fast food intake and prevalence of obesity in school children in Riyadh City.', *Sudanese journal of paediatrics*, 14(1).

- Alper, Z, Ercan, İ & Uncu, Y 2018, 'A meta-analysis and an evaluation of trends in obesity prevalence among children and adolescents in Turkey: 1990 through 2015', *JCRPE Journal of Clinical Research in Pediatric Endocrinology*, 10(1), pp. 59–67. Available at: <https://doi.org/10.4274/jcrpe.5043>.
- Amare, B *et al.* 2012, 'Micronutrient levels and nutritional status of school children living in Northwest Ethiopia', *Nutrition Journal*, 11(1). Available at: <https://doi.org/10.1186/1475-2891-11-108>.
- Amare, D *et al.* 2016, 'Prevalence of Undernutrition and Its Associated Factors among Children below Five Years of Age in Bure Town, West Gojjam Zone, Amhara National Regional State, Northwest Ethiopia', *Advances in Public Health*, 2016. Available at: <https://doi.org/10.1155/2016/7145708>.
- Anggraeni, AS, Sukartini, T & Kristiawati, K 2017, 'Consumption of fruit and vegetable with risk of obesity in school-age children', *Jurnal Ners*, 12(1). Available at: <https://doi.org/10.20473/jn.v12i1.3448>.
- Appannah, G *et al.* 2015, 'Identification of a dietary pattern associated with greater cardiometabolic risk in adolescence', *Nutrition, Metabolism and Cardiovascular Diseases*, 25(7). Available at: <https://doi.org/10.1016/j.numecd.2015.04.007>.
- Aune, D *et al.* 2017, 'Fruit and vegetable intake and the risk of cardiovascular disease, total cancer and all-cause mortality-A systematic review and dose-response meta-analysis of prospective studies', *International Journal of Epidemiology*, 46(3). Available at: <https://doi.org/10.1093/ije/dyw319>.
- Azekour, K, Bidi, A & El Bouhali, B 2019, 'Socioeconomic characteristics and fruit/vegetable intakes among scholar children in the oasis of Tafilalet, Southeastern Morocco', *Nutricion Clinica y Dietetica Hospitalaria*, 39(3). Available at: <https://doi.org/10.12873/393elbouhali>.
- Baars, AE *et al.* 2019, 'Fruit and vegetable consumption and its contribution to inequalities in life expectancy and disability-free life expectancy in ten European countries', *International Journal of Public Health*, 64(6). Available at: <https://doi.org/10.1007/s00038-019-01253-w>.
- Badan Penelitian dan Pengembangan Kesehatan 2018, '*Riset Kesehatan Dasar 2018*', Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan Republik Indonesia, pp. 221–222. Available at: http://labdata.litbang.kemkes.go.id/images/download/laporan/RKD/2018/Laporan_Nasional_RKD2018_FINAL.pdf.
- Badan Penelitian dan Pengembangan Kesehatan 2021, '*Studi Status Gizi Indonesia 2021*', Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan Republik Indonesia Studi Status Gizi Indonesia 2021 [Preprint].

- Badan Pusat Statistik 2020, *Persentase Penduduk Daerah Perkotaan menurut Provinsi, 2010-2035*. Available at: <https://www.bps.go.id/statictable/2014/02/18/1276/persentase-penduduk-daerah-perkotaan-menurut-provinsi-2010-2035.html>.
- Badan Pusat Statistik 2021, *Jumlah Penduduk Menurut Kelompok Umur dan Jenis Kelamin*, Badan Pusat Statistik. Available at: https://www.bps.go.id/indikator/indikator/view_data_pub/0000/api_pub/YW40a21pdTU1cnJxOGt6dm43ZEdoZz09/da_03/4.
- Ballou, S *et al.* 2019, 'Obesity is associated with significantly increased risk for diarrhoea after controlling for demographic, dietary and medical factors: a cross-sectional analysis of the 2009-2010 National Health and Nutrition Examination Survey', *Alimentary Pharmacology and Therapeutics*, 50(9). Available at: <https://doi.org/10.1111/apt.15500>.
- Batiro, B *et al.* 2017, 'Determinants of stunting among children aged 6-59 months at Kindo Didaye woreda, Wolaita Zone, Southern Ethiopia: Unmatched case control study', *PLoS ONE*, 12(12), pp. 1–15. Available at: <https://doi.org/10.1371/journal.pone.0189106>.
- Bayer, O *et al.* 2014, 'Fruit and vegetable consumption and BMI change in primary school-age children: A cohort study', *European Journal of Clinical Nutrition*, 68(2). Available at: <https://doi.org/10.1038/ejcn.2013.139>.
- Bazie, GW, Seid, M & Egata, G 2021, 'Prevalence and Predictors of Stunting among Primary School Children in Northeast Ethiopia', *Journal of Nutrition and Metabolism*, 2021. Available at: <https://doi.org/10.1155/2021/8876851>.
- Beal, T *et al.* 2018, 'A review of child stunting determinants in Indonesia', *Maternal and Child Nutrition*. Available at: <https://doi.org/10.1111/mcn.12617>.
- Bhattacharyya, M *et al.* 2021, 'Burden of malnutrition among school-going children in a slum area of Kolkata: A matter of concern', *Journal of Family Medicine and Primary Care*, 10(8). Available at: https://doi.org/10.4103/jfmpc.jfmpc_2472_20.
- Bilić-Kirin, V *et al.* 2014, 'Association between socioeconomic status and obesity in children', *Collegium Antropologicum*, 38(2).
- Birhanu, M, Gedefaw, L & Asres, Y 2018, 'Anemia among School-Age Children: Magnitude, Severity and Associated Factors in Pawe Town, Benishangul-Gumuz Region, Northwest Ethiopia', *Ethiopian journal of health sciences*, 28(3), pp. 259–266. Available at: <https://doi.org/10.4314/ejhs.v28i3.3>.
- Black, RE, Alderman, H, *et al.* 2013, 'Maternal and child nutrition: Building

- momentum for impact', *The Lancet*. Available at: [https://doi.org/10.1016/S0140-6736\(13\)60988-5](https://doi.org/10.1016/S0140-6736(13)60988-5).
- Black, RE, Victora, CG, *et al.* 2013, 'Maternal and child undernutrition and overweight in low-income and middle-income countries', *The Lancet*. Available at: [https://doi.org/10.1016/S0140-6736\(13\)60937-X](https://doi.org/10.1016/S0140-6736(13)60937-X).
- Boeing, H *et al.* 2012, 'Critical review: Vegetables and fruit in the prevention of chronic diseases', *European Journal of Nutrition*. Available at: <https://doi.org/10.1007/s00394-012-0380-y>.
- Bogale, TY *et al.* 2018, 'Prevalence and associated factors for stunting among 6-12 years old school age children from rural community of Humbo district, Southern Ethiopia', *BMC Public Health*, 18(1), pp. 1–8. Available at: <https://doi.org/10.1186/s12889-018-5561-z>.
- Cashin, K & Oot, L 2018, *Guide to Anthropometry: A Practical Tool for Program Planners, Managers, and Implementers*.
- Cawley, J & Liu, F 2012, 'Maternal employment and childhood obesity: A search for mechanisms in time use data', *Economics and Human Biology*, 10(4). Available at: <https://doi.org/10.1016/j.ehb.2012.04.009>.
- Çelmeli, G *et al.* 2019, 'Remarkable increase in the prevalence of overweight and obesity among school age children in Antalya, Turkey, between 2003 and 2015', *JCRPE Journal of Clinical Research in Pediatric Endocrinology*, 11(1). Available at: <https://doi.org/10.4274/jcrpe.galenos.2018.2018.0108>.
- Cesani, MF *et al.* 2013, 'A Comparative Study on Nutritional Status and Body Composition of Urban and Rural Schoolchildren from Brandsen District (Argentina)', *PLoS ONE*, 8(1). Available at: <https://doi.org/10.1371/journal.pone.0052792>.
- Chaparro, CM & Suchdev, PS 2019, 'Anemia epidemiology, pathophysiology, and etiology in low- and middle-income countries', *Annals of the New York Academy of Sciences*. Available at: <https://doi.org/10.1111/nyas.14092>.
- Chávez-Zárate, A *et al.* 2019, 'Relationship between stunting in children 6 to 36 months of age and maternal employment status in Peru: A sub-analysis of the Peruvian Demographic and Health Survey', *PLoS ONE*, 14(4). Available at: <https://doi.org/10.1371/journal.pone.0212164>.
- Cullen, KW *et al.* 2003, 'Availability, accessibility, and preferences for fruit, 100% fruit juice, and vegetables influence children's dietary behavior', *Health Education and Behavior*, 30(5). Available at: <https://doi.org/10.1177/1090198103257254>.
- Davis, AMG *et al.* 2011, 'Obesity and related health behaviors among urban and

rural children in the United States: Data from the national health and nutrition examination survey 2003-2004 and 2005-2006', *Journal of Pediatric Psychology*. Available at: <https://doi.org/10.1093/jpepsy/jsq117>.

Dayib, M, Larson, J & Slavin, J 2020, 'Dietary fibers reduce obesity-related disorders: mechanisms of action', *Current opinion in clinical nutrition and metabolic care*. Available at: <https://doi.org/10.1097/MCO.0000000000000696>.

Delgado-Aros, S *et al.* 2008, 'High body mass alters colonic sensory-motor function and transit in humans', *American Journal of Physiology - Gastrointestinal and Liver Physiology*, 295(2). Available at: <https://doi.org/10.1152/ajpgi.90286.2008>.

Desyanti, C & Nindya, TS 2017, 'Hubungan Riwayat Penyakit Diare dan Praktik Higiene dengan Kejadian Stunting pada Balita Usia 24-59 Bulan di Wilayah Kerja Puskesmas Simolawang, Surabaya', *Amerta Nutrition*, 1(3). Available at: <https://doi.org/10.20473/amnt.v1i3.6251>.

Dipasquale, V, Cucinotta, U & Romano, C 2020, 'Acute malnutrition in children: Pathophysiology, clinical effects and treatment', *Nutrients*. Available at: <https://doi.org/10.3390/nu12082413>.

Djokic, D *et al.* 2010, 'Risk factors associated with anemia among Serbian school-age children 7-14 years old: Results of the first national health survey', *Hippokratia*, 14(4).

Van Eekelen, E *et al.* 2019, 'Consumption of alcoholic and sugar-sweetened beverages is associated with increased liver fat content in middle-aged men and women', *Journal of Nutrition*, 149(4). Available at: <https://doi.org/10.1093/jn/nxy313>.

Enardi, OP, Devriany, A & Kardinasari, E 2021, 'Determinants of Stunting in Children Aged 0-24 Months in Bangka Belitung Province', in *Proceedings of the First International Conference on Health, Social Sciences and Technology (ICoHSST 2020)*. Available at: <https://doi.org/10.2991/assehr.k.210415.037>.

Erismann, S *et al.* 2017, 'Prevalence and risk factors of undernutrition among schoolchildren in the Plateau Central and Centre-Ouest regions of Burkina Faso', *Infectious Diseases of Poverty*, 6(1). Available at: <https://doi.org/10.1186/s40249-016-0230-x>.

Eshete, H *et al.* 2017, 'Nutritional Status and Effect of Maternal Employment among Children Aged 6-59 Months in Wolayta Sodo Town, Southern Ethiopia: A Cross-sectional Study', *Ethiopian journal of health sciences*, 27(2), pp. 155–162. Available at: <https://doi.org/10.4314/ejhs.v27i2.8>.

- Fagundes-Neto, U 2013, 'Persistent diarrhea: Still a serious public health problem in developing countries', *Current Gastroenterology Reports*, 15(9). Available at: <https://doi.org/10.1007/s11894-013-0345-1>.
- Faruque, S *et al.* 2019, 'The dose makes the poison: Sugar and obesity in the United States – A review', *Polish Journal of Food and Nutrition Sciences*, 69(3). Available at: <https://doi.org/10.31883/pjfns/110735>.
- Februhartanty, J 2011, 'Nutrition transition: What challenges are faced by Indonesia?', *International Public Health Seminar*. Available at: https://www.researchgate.net/publication/271770151_Nutrition_transition_What_challenges_are_faced_by_Indonesia.
- Fernald, LC & Neufeld, LM 2007, 'Overweight with concurrent stunting in very young children from rural Mexico: Prevalence and associated factors', *European Journal of Clinical Nutrition*, 61(5). Available at: <https://doi.org/10.1038/sj.ejcn.1602558>.
- Fiorito, LM *et al.* 2009, 'Beverage intake of girls at age 5 y predicts adiposity and weight status in childhood and adolescence', *American Journal of Clinical Nutrition*, 90(4). Available at: <https://doi.org/10.3945/ajcn.2009.27623>.
- Fleming, RE 2008, 'Iron and inflammation: Cross-talk between pathways regulating hepcidin', *Journal of Molecular Medicine*, 86(5). Available at: <https://doi.org/10.1007/s00109-008-0349-8>.
- Fufa, BD & Gutema, H 2019, 'Prevalence of Anemia and Associated Factors among Children Attended at Jimma Medical Center, South West Ethiopia', *International Archives of Nursing and Health Care*, 5(3). Available at: <https://doi.org/10.23937/2469-5823/1510129>.
- Van de Gaar, VM *et al.* 2017, 'Children's sugar-sweetened beverages consumption: associations with family and home-related factors, differences within ethnic groups explored', *BMC Public Health*, 17(1). Available at: <https://doi.org/10.1186/s12889-017-4095-0>.
- Gan, Q *et al.* 2021, 'Sugar-sweetened beverage consumption status and its association with childhood obesity among chinese children aged 6–17 years', *Nutrients*, 13(7). Available at: <https://doi.org/10.3390/nu13072211>.
- Ganz, T & Nemeth, E 2006, 'Iron imports. IV. Hepcidin and regulation of body iron metabolism', *American Journal of Physiology - Gastrointestinal and Liver Physiology*, 290(2). Available at: <https://doi.org/10.1152/ajpgi.00412.2005>.
- Gayawan, E, Arogundade, ED & Adebayo, SB 2014, 'Possible determinants and spatial patterns of anaemia among young children in nigeria: A bayesian semi-parametric modelling', *International Health*, 6(1). Available at:

<https://doi.org/10.1093/inthealth/iht034>.

- Gebrehiwot, T et al. 2020, 'Prevalence of diarrheal diseases among schools with and without water, sanitation and hygiene programs in rural communities of north-eastern Ethiopia: a comparative cross-sectional study', *Rural and Remote Health*, 20(4). Available at: <https://doi.org/10.22605/RRH4907>.
- Gebreweld, A & Tsegaye, A 2018, 'Prevalence and Factors Associated with Anemia among Pregnant Women Attending Antenatal Clinic at St. Paul's Hospital Millennium Medical College, Addis Ababa, Ethiopia', *Advances in Hematology*, 2018. Available at: <https://doi.org/10.1155/2018/3942301>.
- Getaneh, Z et al. 2017, 'Prevalence of anemia and associated factors among school children in Gondar town public primary schools, northwest Ethiopia: A school-based cross-sectional study', *PLoS ONE*, 12(12). Available at: <https://doi.org/10.1371/journal.pone.0190151>.
- Getaneh, Z et al. 2019, 'Prevalence and determinants of stunting and wasting among public primary school children in Gondar town, northwest, Ethiopia', *BMC Pediatrics*, 19(1). Available at: <https://doi.org/10.1186/s12887-019-1572-x>.
- Geurtsen, ML et al. 2021, 'Associations Between Intake of Sugar-Containing Beverages in Infancy With Liver Fat Accumulation at School Age', *Hepatology*, 73(2). Available at: <https://doi.org/10.1002/hep.31611>.
- Gewa, CA & Yandell, N 2012, 'Undernutrition among Kenyan children: Contribution of child, maternal and household factors', *Public Health Nutrition*, 15(6). Available at: <https://doi.org/10.1017/S136898001100245X>.
- Ghattas, H et al. 2020, 'Child-level double burden of malnutrition in the MENA and LAC regions: Prevalence and social determinants', *Maternal and Child Nutrition*, 16(2). Available at: <https://doi.org/10.1111/mcn.12923>.
- Ghose, B & Yaya, S 2018, 'Fruit and vegetable consumption and anemia among adult non-pregnant women: Ghana Demographic and Health Survey', *PeerJ*, 2018(2). Available at: <https://doi.org/10.7717/peerj.4414>.
- González-Domínguez, Á et al. 2020, 'Iron metabolism in obesity and metabolic syndrome', *International Journal of Molecular Sciences*. Available at: <https://doi.org/10.3390/ijms21155529>.
- Gowele, VF et al. 2021, 'High prevalence of stunting and anaemia is associated with multiple micronutrient deficiencies in school children of small-scale farmers from Chamwino and Kilosa districts, Tanzania', *Nutrients*, 13(5). Available at: <https://doi.org/10.3390/nu13051576>.

- Greenberg, JA & Buijsse, B 2013, 'Habitual Chocolate Consumption May Increase Body Weight in a Dose-Response Manner', *PLoS ONE*, 8(8). Available at: <https://doi.org/10.1371/journal.pone.0070271>.
- Grzymisławska, M *et al.* 2020, 'Do nutritional behaviors depend on biological sex and cultural gender?', *Advances in Clinical and Experimental Medicine*. Available at: <https://doi.org/10.17219/acem/111817>.
- Gutema, B *et al.* 2014, 'Anemia and associated factors among school-age children in Filtu Town, Somali region, Southeast Ethiopia', *BMC Hematology*, 14(1). Available at: <https://doi.org/10.1186/2052-1839-14-13>.
- Hamed, A, Hegab, A & Roshdy, E 2020, 'Prevalence and factors associated with stunting among school children in Egypt', *Eastern Mediterranean Health Journal*, 26(7). Available at: <https://doi.org/10.26719/emhj.20.047>.
- Han, E & Powell, LM 2013, 'Consumption Patterns of Sugar-Sweetened Beverages in the United States', *Journal of the Academy of Nutrition and Dietetics*, 113(1). Available at: <https://doi.org/10.1016/j.jand.2012.09.016>.
- Hermiana, H & Prihatini, S 2016, 'Fruits and vegetables consumption of Indonesian population in the context of balanced nutrition: A Further Analysis of Individual Food Consumption Survey (SKMI) 2014', *Buletin of Health Research*, 44(3).
- Herrador, Z *et al.* 2014, 'Cross-sectional study of malnutrition and associated factors among school aged children in rural and urban settings of fogera and libo kemkem districts, ethiopia', *PLoS ONE*, 9(9). Available at: <https://doi.org/10.1371/journal.pone.0105880>.
- Hidayati, U, Siagian, A & Sudaryati, E 2020, 'Correlation of Fried Snacks Intake with Free Radicals and Obesity in Elementary School Children', *Budapest International Research in Exact Sciences (BirEx) Journal*, 2(1). Available at: <https://doi.org/10.33258/birex.v2i1.698>.
- Hlaing, MM *et al.* 2021, 'Dual Burden of Malnutrition among Primary School Children in Myanmar', *Food and Nutrition Sciences*, 12(02). Available at: <https://doi.org/10.4236/fns.2021.122010>.
- Hoang, NTD *et al.* 2019, 'Anaemia and its relation to demographic, socio-economic and anthropometric factors in rural primary school children in Hai Phong City, Vietnam', *Nutrients*, 11(7). Available at: <https://doi.org/10.3390/nu11071478>.
- Hodder, RK *et al.* 2018, 'Interventions for increasing fruit and vegetable consumption in children aged five years and under', *The Cochrane database of systematic reviews*, 5. Available at: <https://doi.org/10.1002/14651858.CD008552.pub5>.

- Hu, FB 2011, 'Globalization of diabetes: The role of diet, lifestyle, and genes', in *Diabetes Care*. Available at: <https://doi.org/10.2337/dc11-0442>.
- Huriah, T *et al.* 2019, 'The Prevalence and Associated Factors of Stunting Children in Rural Area, Yogyakarta, Indonesia', *Advances in Health Sciences Research*. Available at: <https://doi.org/10.2991/icosihsn-19.2019.30>.
- Ibrahim, MK *et al.* 2017, 'Impact of childhood malnutrition on host defense and infection', *Clinical Microbiology Reviews*. Available at: <https://doi.org/10.1128/CMR.00119-16>.
- Ilma, NN, Salimo, H & Pamungkasari, EP 2019, 'Prevalence and Path Analysis on the Effects of Diarrhea and Life Course Determinants on Stunting in Children Under Two Years of Age in Kupang, East Nusa Tenggara', *Journal of Maternal and Child Health*, 4(4), pp. 230–241. Available at: <https://doi.org/10.26911/thejmch.2019.04.04.02>.
- Islam, MS *et al.* 2014, 'Nutritional Status of Rural and Urban Under-Five Children in Tangail District, Bangladesh', *International Journal of Innovation and Applied Studies ISSN*, 8(2).
- Jakaria, M, Bakshi, RK & Hasan, MM 2022, 'Is maternal employment detrimental to children's nutritional status? Evidence from Bangladesh', *Review of Development Economics*, 26(1). Available at: <https://doi.org/10.1111/rode.12819>.
- Janssen, I *et al.* 2005, 'Comparison of overweight and obesity prevalence in school-aged youth from 34 countries and their relationships with physical activity and dietary patterns', *Obesity Reviews*, 6(2), pp. 123–132. Available at: <https://doi.org/10.1111/j.1467-789X.2005.00176.x>.
- Japutra, A, Fadlyana, E & Alam, A 2015, 'Risk factors for obesity in 6 to 12-year-old children', *Paediatrica Indonesiana*, 55(1). Available at: <https://doi.org/10.14238/pi55.1.2015.35-9>.
- Jember University with IIED 2019, *Sustainable Diets for All*. Available at: <http://pubs.iied.org/sites/default/files/pdfs/migrate/16662IIED.pdf>.
- Jia, M *et al.* 2012, 'Sugary beverage intakes and obesity prevalence among junior high school students in Beijing - a cross-sectional research on SSBS intake', *Asia Pacific Journal of Clinical Nutrition*, 21(3). Available at: <https://doi.org/10.6133/apjcn.2012.21.3.15>.
- Jitnarin, N *et al.* 2011, 'Prevalence of overweight and obesity in Thai population: Results of the National Thai Food Consumption Survey', *Eating and Weight Disorders*, 16(4). Available at: <https://doi.org/10.1007/BF03327467>.

- Johnson, JA & Johnson, AM 2015, 'Urban-rural differences in childhood and adolescent obesity in the United States: A systematic review and meta-analysis', *Childhood Obesity*. Available at: <https://doi.org/10.1089/chi.2014.0085>.
- Joyce, T & Gibney, MJ 2008, 'The impact of added sugar consumption on overall dietary quality in Irish children and teenagers', *Journal of Human Nutrition and Dietetics*, 21(5). Available at: <https://doi.org/10.1111/j.1365-277X.2008.00895.x>.
- Kalimbira, A & Gondwe, E 2015, 'Consumption of sweetened beverages among school-going children in a densely populated township in Lilongwe, Malawi', *Malawi Medical Journal*, 27(2). Available at: <https://doi.org/10.4314/mmj.v27i2.5>.
- Kandala, NB & Stranges, S 2014, 'Geographic variation of overweight and obesity among women in Nigeria: A case for nutritional transition in Sub-Saharan Africa', *PLoS ONE*, 9(6). Available at: <https://doi.org/10.1371/journal.pone.0101103>.
- Kaneshiro, NK 2020, *School-age children development*, *MedlinePlus*. Available at: <https://medlineplus.gov/ency/article/002017.htm> (Accessed: 5 February 2022)
- Karki, A, Shrestha, A & Subedi, N 2019, 'Prevalence and associated factors of childhood overweight/obesity among primary school children in urban Nepal', *BMC Public Health*, 19(1). Available at: <https://doi.org/10.1186/s12889-019-7406-9>.
- Kartikasari, NWV 2018, 'Hubungan Konsumsi Sayur dan Buah dengan Status Gizi Anak Sekolah Dasar Di Kabupaten Gianyar', *Politeknik Kesehatan Kemenkes Denpasar* [Preprint], (1).
- Kathmandu, E 2012, *Nepal Demographic and Health Survey 2011* Population Division Ministry of Health and Population Government of Nepal Kathmandu, Nepal. Available at: <http://www.measuredhs.com>.
- Keusch, GT 2003, 'Symposium: Nutrition and Infection, Prologue and Progress Since 1968 The History of Nutrition: Malnutrition, Infection and Immunity 1,2', *J. Nutr*, 133.
- Kim, J & Lim, H 2019, 'Nutritional Management in Childhood Obesity', *Journal of Obesity & Metabolic Syndrome*, 28(4). Available at: <https://doi.org/10.7570/jomes.2019.28.4.225>.
- Koca, T *et al.* 2018, 'Evaluation of the change in the prevalence of overweight and obesity in schoolchildren in south-west Turkey from 2005 to 2014', *Iranian Journal of Public Health*, 47(1).

- Kovács, E *et al.* 2014, 'Adherence to the obesity-related lifestyle intervention targets in the IDEFICS study', *International Journal of Obesity*, 38. Available at: <https://doi.org/10.1038/ijo.2014.145>.
- Kumar, P *et al.* 2021, 'Prevalence and factors associated with triple burden of malnutrition among mother-child pairs in India: a study based on National Family Health Survey 2015–16', *BMC Public Health*, 21(1). Available at: <https://doi.org/10.1186/s12889-021-10411-w>.
- Kusumawati, MRD, Marina, R & Endah Wuryaningsih, C 2019, 'Low Birth Weight As the Predictors of Stunting in Children under Five Years in Teluknaga Sub District Province of Banten 2015', *KnE Life Sciences*, 4(10). Available at: <https://doi.org/10.18502/cls.v4i10.3731>.
- Lebel, A *et al.* 2016, 'Sugar Sweetened Beverage Consumption among Primary School Students : Influence of the Schools ' Vicinity', 2016. *Journal of Environmental and Public Health*. Available at: <http://dx.doi.org/10.1155/2016/1416384>
- Ledoux, TA, Hingle, MD & Baranowski, T 2011, 'Relationship of fruit and vegetable intake with adiposity: A systematic review', *Obesity Reviews*, 12(5). Available at: <https://doi.org/10.1111/j.1467-789X.2010.00786.x>.
- Lee, EM *et al.* 2012, 'Differences in Dietary Intakes between Normal and Short Stature Korean Children Visiting a Growth Clinic', *Clinical Nutrition Research*, 1(1). Available at: <https://doi.org/10.7762/cnr.2012.1.1.23>.
- Lee, SJ & Ryu, HK 2018, 'Relationship between dietary intakes and the double burden of malnutrition in adults of Malang, Indonesia: An exploratory study', *Nutrition Research and Practice*, 12(5). Available at: <https://doi.org/10.4162/nrp.2018.12.5.426>.
- Lemeshow, S *et al.* 1991, 'Adequacy of Sample Size in Health Studies.', *Biometrics*, 47(1), p. 347. Available at: <https://doi.org/10.2307/2532527>.
- Letuka, T & Frade, S 2020, 'Household and individual risk factors of anaemia among under-5 children in lesotho', *African Health Sciences*, 20(3). Available at: <https://doi.org/10.4314/ahs.v20i3.54>.
- Li, Y *et al.* 2011, 'Lack of dietary diversity and dyslipidaemia among stunted overweight children: The 2002 China National Nutrition and Health Survey', *Public Health Nutrition*, 14(5). Available at: <https://doi.org/10.1017/S1368980010002971>.
- Liu, L *et al.* 2016, 'Global, regional, and national causes of under-5 mortality in 2000–15: an updated systematic analysis with implications for the Sustainable Development Goals', *The Lancet*, 388(10063). Available at:

[https://doi.org/10.1016/S0140-6736\(16\)31593-8](https://doi.org/10.1016/S0140-6736(16)31593-8).

- Lokossou, YUA *et al.* 2021, 'The presence of the double burden of malnutrition in children and their mothers in Grand-Popo, Benin', *Nutrition and Health*, 27(1). Available at: <https://doi.org/10.1177/0260106020962787>.
- Lommi, S *et al.* 2020, 'Frequent use of selected sugary products associates with thinness, but not overweight during preadolescence: A cross-sectional study', *British Journal of Nutrition*, 124(6). Available at: <https://doi.org/10.1017/S0007114520001361>.
- Lowe, C *et al.* 2021, 'The double burden of malnutrition and dietary patterns in rural Central Java, Indonesia', *The Lancet Regional Health - Western Pacific*, 14. Available at: <https://doi.org/10.1016/j.lanwpc.2021.100205>.
- Luo, SY *et al.* 2016, 'Increased intake of vegetables, but not fruits, may be associated with reduced risk of hip fracture: A meta-analysis', *Scientific Reports*, 6. Available at: <https://doi.org/10.1038/srep19783>.
- Łuszczki, E *et al.* 2019, 'Analysis of fruit and vegetable consumption by children in school canteens depending on selected sociodemographic factors', *Medicina (Lithuania)*, 55(7). Available at: <https://doi.org/10.3390/medicina55070397>.
- Ma, J *et al.* 2015, 'Sugar-sweetened beverage, diet soda, and fatty liver disease in the Framingham Heart Study cohorts', *Journal of Hepatology*, 63(2). Available at: <https://doi.org/10.1016/j.jhep.2015.03.032>.
- Maehara, M *et al.* 2019, 'Patterns and risk factors of double burden of malnutrition among adolescent girls and boys in Indonesia', *PLoS ONE*, 14(8). Available at: <https://doi.org/10.1371/journal.pone.0221273>.
- Magnusson, M *et al.* 2014, 'Social Inequalities in Obesity Persist in the Nordic Region Despite Its Relative Affluence and Equity', *Current Obesity Reports*, 3(1). Available at: <https://doi.org/10.1007/s13679-013-0087-2>.
- Mahfouz, EM *et al.* 2021, 'The relationship between dietary intake and stunting among preschool children in Upper Egypt', *Public Health Nutrition* [Preprint]. Available at: <https://doi.org/10.1017/S136898002100389X>.
- Mahmud, MA *et al.* 2020, 'Associations between intestinal parasitic infections, anaemia, and diarrhoea among school aged children, and the impact of hand-washing and nail clipping', *BMC Research Notes*, 13(1). Available at: <https://doi.org/10.1186/s13104-019-4871-2>.
- Makoka, D 2013, 'The Impact of Maternal Education on Child Nutrition : Evidence from Malawi,Tanzania and Zimbabwe', *DHS Working Papers*, 84(February).

Arini Aulia Nurul Fikri, 2022

PREVALENSI DAN FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DOUBLE BURDEN OF MALNUTRITION DAN TRIPLE BURDEN OF MALNUTRITION ANAK USIA 5 – 12 TAHUN DI INDONESIA

UPN Veteran Jakarta, Fakultas Ilmu Kesehatan, Gizi Program Sarjana

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Makri, R *et al.* 2022, 'Prevalence of Overweight and Obesity and Associated Diet-Related Behaviours and Habits in a Representative Sample of Adolescents in Greece', *Children*, 9(1). Available at: <https://doi.org/10.3390/children9010119>.
- Malik, VS *et al.* 2013, 'Sugar-sweetened beverages and weight gain in children and adults: A systematic review and meta-analysis', *American Journal of Clinical Nutrition*, 98(4). Available at: <https://doi.org/10.3945/ajcn.113.058362>.
- Manyike, PC *et al.* 2014, 'Prevalence of malnutrition among pre-school children in, South-east Nigeria', *Italian Journal of Pediatrics*, 40(1). Available at: <https://doi.org/10.1186/s13052-014-0075-5>.
- Martorell, R & Young, MF 2012, 'Patterns of stunting and wasting: Potential explanatory factors', in *Advances in Nutrition*. Available at: <https://doi.org/10.3945/an.111.001107>.
- Mazarello Paes, V *et al.* 2015, 'Determinants of sugar-sweetened beverage consumption in young children: A systematic review', *Obesity Reviews*. Available at: <https://doi.org/10.1111/obr.12310>.
- Mazengia, AL & Biks, GA 2018, 'Predictors of stunting among school-age children in Northwestern Ethiopia', *Journal of Nutrition and Metabolism*, 2018. Available at: <https://doi.org/10.1155/2018/7521751>.
- Meenakshi, J V. 2016, 'Trends and patterns in the triple burden of malnutrition in India', *Agricultural Economics (United Kingdom)*, 47. Available at: <https://doi.org/10.1111/agec.12304>.
- Mehta, NM *et al.* 2013, 'Defining pediatric malnutrition: A paradigm shift toward etiology-related definitions', *Journal of Parenteral and Enteral Nutrition*, 37(4). Available at: <https://doi.org/10.1177/0148607113479972>.
- Mengistu, G, Azage, M & Gutema, H 2019, 'Iron Deficiency Anemia among In-School Adolescent Girls in Rural Area of Bahir Dar City Administration, North West Ethiopia', *Anemia*, 2019. Available at: <https://doi.org/10.1155/2019/1097547>.
- Menteri Kesehatan Republik Indonesia 2020, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 2 Tahun 2020 Tentang Standar Antropometri Anak*, Menteri Kesehatan Republik Indonesia, P. 78.
- Mesfin, F *et al.* 2015, 'Prevalence and associated factors of stunting among primary school children in Eastern Ethiopia', *Nutrition and Dietary Supplements*, p. 61. Available at: <https://doi.org/10.2147/nds.s80803>.

- Mesfin, F *et al.* 2015, 'School-Aged Children Felling Hunger at School Were at a Higher Risk for Thinness in Kersa District, Eastern Ethiopia: A Cross-Sectional Study', *Journal of Nutrition & Food Sciences*, s12. Available at: <https://doi.org/10.4172/2155-9600.s12-005>.
- Metwally, AM *et al.* 2020, 'Stunting and its determinants among governmental primary school children in Egypt: A school-based cross-sectional study', *Open Access Macedonian Journal of Medical Sciences*, 8(B). Available at: <https://doi.org/10.3889/oamjms.2020.4757>.
- Milanović, SM *et al.* 2020, 'Regional and sociodemographic determinants of the prevalence of overweight and obesity in children aged 7-9 years in Croatia', *Acta Clinica Croatica*, 59(2). Available at: <https://doi.org/10.20471/acc.2020.59.02.14>.
- Miller, V *et al.* 2017, 'Fruit, vegetable, and legume intake, and cardiovascular disease and deaths in 18 countries (PURE): a prospective cohort study', *The Lancet*, 390(10107). Available at: [https://doi.org/10.1016/S0140-6736\(17\)32253-5](https://doi.org/10.1016/S0140-6736(17)32253-5).
- Mocanu, V 2013, 'Prevalence of overweight and obesity in urban elementary school children in Northeastern Romania: Its relationship with socioeconomic status and associated dietary and lifestyle factors', *BioMed Research International*, 2013. Available at: <https://doi.org/10.1155/2013/537451>.
- Morrissey, TW, Dunifon, RE & Kalil, A 2011, 'Maternal Employment, Work Schedules, and Children's Body Mass Index', *Child Development*, 82(1). Available at: <https://doi.org/10.1111/j.1467-8624.2010.01541.x>.
- Mosha, MV *et al.* 2021, 'Prevalence and correlates of overweight and obesity among primary school children in Kilimanjaro, Tanzania', *PLoS ONE*, 16(4 April). Available at: <https://doi.org/10.1371/journal.pone.0249595>.
- Mosha, MV *et al.* 2022, 'Lack of an association between dietary patterns and adiposity among primary school children in Kilimanjaro Tanzania', *BMC Nutrition*, 8(1), pp. 1–9. Available at: <https://doi.org/10.1186/s40795-022-00529-4>.
- Muhammad, HFL 2018, 'Obesity as the Sequel of Childhood Stunting: Ghrelin and GHSR Gene Polymorphism Explained', *Acta medica Indonesiana*, 50(2).
- Mulyaningsih, T *et al.* 2021, 'Beyond personal factors: Multilevel determinants of childhood stunting in Indonesia', *PLoS ONE*, 16(11 November). Available at: <https://doi.org/10.1371/journal.pone.0260265>.
- Musa, TH *et al.* 2013, 'Anthropometric parameters of malnutrition in children 5-15 years old in Khartoum State, Sudan', *Journal of Public Health and Epidemiology*, 5(8).

- Mwaniki, EW & Makokha, AN 2013, 'Nutrition status and associated factors among children in public primary schools in Dagoretti, Nairobi, Kenya', *African Health Sciences*, 13(1). Available at: <https://doi.org/10.4314/ahs.v13i1.6>.
- Nachvak, SM *et al.* 2020, 'Food groups intake in relation to stunting among exceptional children', *BMC Pediatrics*, 20(1). Available at: <https://doi.org/10.1186/s12887-020-02291-7>.
- Nakahara, N *et al.* 2020, 'The Consumption of Sweets and Academic Performance among Mongolian Children', *International Journal of Environmental Research and Public Health*, Available at: <https://doi.org/10.3390/ijerph17238912>.
- Nankinga, O, Kwagala, B & Walakira, EJ 2019, 'Maternal employment and child nutritional status in Uganda', *PLoS ONE*, 14(12). Available at: <https://doi.org/10.1371/journal.pone.0226720>.
- Ncogo, P *et al.* 2017, 'Prevalence of anemia and associated factors in children living in urban and rural settings from Bata District, Equatorial Guinea, 2013', *PLoS ONE*, 12(5). Available at: <https://doi.org/10.1371/journal.pone.0176613>.
- Nonboonyawat, T *et al.* 2019, 'Prevalence and associates of obesity and overweight among school-age children in a rural community of Thailand', *Korean Journal of Pediatrics*, 62(5). Available at: <https://doi.org/10.3345/kjp.2018.06499>.
- Nuraeni, I, Hadi, H & Paratmanitya, Y 2013, 'Perbedaan konsumsi buah dan sayur pada anak sekolah dasar yang obes dan tidak obes di Kota Yogyakarta dan Kabupaten Bantul', *Jurnal Gizi dan Dietetik Indonesia (Indonesian Journal of Nutrition and Dietetics)*, 1(2). Available at: [https://doi.org/10.21927/ijnd.2013.1\(2\).81-92](https://doi.org/10.21927/ijnd.2013.1(2).81-92).
- O'Connor, L *et al.* 2015, 'The cross-sectional association between snacking behaviour and measures of adiposity: The Fenland Study, UK', *British Journal of Nutrition*, 114(8). Available at: <https://doi.org/10.1017/S000711451500269X>.
- Oddo, VM, Maehara, M & Rah, JH 2019, 'Overweight in Indonesia: An observational study of trends and risk factors among adults and children', *BMJ Open*, 9(9). Available at: <https://doi.org/10.1136/bmjopen-2019-031198>.
- Ohly, HR *et al.* 2013, 'Developing a nutrition intervention in children's centres: Exploring views of parents in rural/urban settings in the UK', *Public Health Nutrition*, 16(8). Available at:

<https://doi.org/10.1017/S1368980012003977>.

- Paciorek, CJ *et al.* 2013, 'Children's height and weight in rural and urban populations in low-income and middle-income countries: A systematic analysis of population-representative data', *The Lancet Global Health*, 1(5). Available at: [https://doi.org/10.1016/S2214-109X\(13\)70109-8](https://doi.org/10.1016/S2214-109X(13)70109-8).
- Paramastri, R *et al.* 2021, 'Association between dietary pattern, lifestyle, anthropometric status, and anemia-related biomarkers among adults: A population-based study from 2001 to 2015', *International Journal of Environmental Research and Public Health*, 18(7). Available at: <https://doi.org/10.3390/ijerph18073438>.
- Parenreng, KM *et al.* 2020, 'Determinants of Stunting Events in Children Aged 6-23 Months in Locus and Non-Locus Areas in East Luwu Regency', *Journal La Medihealthico*, 1(6). Available at: <https://doi.org/10.37899/journallamedihealthico.v1i6.163>.
- PATH 2016, 'Malnutrition and Diarrheal Disease', *Diarrhea Control Newsletter* [Preprint], (1).
- Pathak, S *et al.* 2018, 'Prevalence of obesity among urban and rural school going adolescents of Vadodara, India: a comparative study', *International Journal of Contemporary Pediatrics*, 5(4). Available at: <https://doi.org/10.18203/2349-3291.ijcp20182480>.
- Pattni, SS *et al.* 2013, 'Fibroblast growth factor 19 in patients with bile acid diarrhoea: A prospective comparison of FGF19 serum assay and SeHCAT retention', *Alimentary Pharmacology and Therapeutics*, 38(8). Available at: <https://doi.org/10.1111/apt.12466>.
- Pauline, M *et al.* 2012, 'Body weight perception is associated with socio-economic status and current body weight in selected urban and rural South Indian school-going children', *Public Health Nutrition*, 15(12). Available at: <https://doi.org/10.1017/S1368980012000134>.
- Pengpid, S & Peltzer, K 2016, 'Overweight, obesity and associated factors among 13-15 years old students in the association of Southeast Asian Nations member countries, 2007-2014', *Southeast Asian Journal of Tropical Medicine and Public Health*, 47(2).
- Pereira, MA 2006, 'The possible role of sugar-sweetened beverages in obesity etiology: A review of the evidence', *International Journal of Obesity*. Available at: <https://doi.org/10.1038/sj.ijo.0803489>.
- Pivina, L *et al.* 2019, 'Iron Deficiency, Cognitive Functions, and Neurobehavioral Disorders in Children', *Journal of Molecular Neuroscience*. Available at: <https://doi.org/10.1007/s12031-019-01276-1>.

Arini Aulia Nurul Fikri, 2022

PREVALENSI DAN FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DOUBLE BURDEN OF MALNUTRITION DAN TRIPLE BURDEN OF MALNUTRITION ANAK USIA 5 – 12 TAHUN DI INDONESIA

UPN Veteran Jakarta, Fakultas Ilmu Kesehatan, Gizi Program Sarjana

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- Popkin, BM 2006, 'Global nutrition dynamics: The world is shifting rapidly toward a diet linked with noncommunicable diseases', *American Journal of Clinical Nutrition*. Available at: <https://doi.org/10.1093/ajcn/84.2.289>.
- Pritasari, Didit, D & Tri, LN 2017, *Gizi Dalam Daur Kehidupan*. 1st edn. Edited by Kementerian Kesehatan Republik Indonesia.
- Pullan, RL *et al.* 2013, 'Estimating the relative contribution of parasitic infections and nutrition for anaemia among school-aged children in Kenya: A subnational geostatistical analysis', *BMJ Open*, 3(2). Available at: <https://doi.org/10.1136/bmjopen-2012-001936>.
- Qin, P *et al.* 2021, 'Fried-food consumption and risk of overweight/obesity, type 2 diabetes mellitus, and hypertension in adults: a meta-analysis of observational studies', *Critical Reviews in Food Science and Nutrition* [Preprint]. Available at: <https://doi.org/10.1080/10408398.2021.1906626>.
- Rahmawati, DP, Indarto, D & Hanim, D 2021, 'Fast Food Consumption and Snacking in Female Adolescents and Their Correlation With Hemoglobin Levels', *Advances in Health Sciences Research*. Available at: <https://doi.org/10.2991/ahsr.k.210127.025>.
- Ritchie, H & Roser, M 2017, *Micronutrient Deficiency*, OurWorldInData.org. Available at: <https://ourworldindata.org/micronutrient-deficiency>.
- Rosinger, A *et al.* 2017, 'Sugar-sweetened Beverage Consumption Among U.S. Youth, 2011-2014', *NCHS data brief* [Preprint], (271).
- Ruanpeng, D *et al.* 2017, 'Sugar and artificially sweetened beverages linked to obesity: A systematic review and meta-analysis', *QJM*, 110(8). Available at: <https://doi.org/10.1093/qjmed/hcx068>.
- Ruiz, M *et al.* 2016, 'Impact of Low Maternal Education on Early Childhood Overweight and Obesity in Europe', *Paediatric and Perinatal Epidemiology*, 30(3). Available at: <https://doi.org/10.1111/ppe.12285>.
- Sabin, MA & Kiess, W 2015, 'Childhood obesity: Current and novel approaches', *Best Practice and Research: Clinical Endocrinology and Metabolism*. Available at: <https://doi.org/10.1016/j.beem.2015.04.003>.
- Sadik, R *et al.* 2004, 'Accelerated Regional Bowel Transit and Overweight Shown in Idiopathic Bile Acid Malabsorption', *American Journal of Gastroenterology*, 99(4). Available at: <https://doi.org/10.1111/j.1572-0241.2004.04139.x>.
- Saeidlou, SN, Babaei, F & Ayremlou, P 2014, 'Malnutrition, overweight, and obesity among urban and rural children in north of west azerbaijan, Iran',

- Journal of Obesity*, 2014. Available at: <https://doi.org/10.1155/2014/541213>.
- Sahoo, K *et al.* 2015, 'Childhood obesity: Causes and consequences', *Journal of Family Medicine and Primary Care*, 4(2). Available at: <https://doi.org/10.4103/2249-4863.154628>.
- Salim, S, Ahmed, Y & Al-Mamari, A 2021, 'Prevalence and Factors Associated with Iron Deficiency Anemia among School-Age Children in Primary Schools in Burao City, Somaliland, 2020', *Open Journal of Blood Diseases*, 11(03), pp. 67–80. Available at: <https://doi.org/10.4236/ojbd.2021.113008>.
- Salleh, R *et al.* 2021, 'Factors associated with sugar-sweetened beverages consumption among Malaysian adolescents: findings from the Adolescent Nutrition Survey 2017', *Malaysian Journal of Nutrition*, 27(1). Available at: <https://doi.org/10.31246/MJN-2020-0040>.
- Sekiyama, M *et al.* 2015, 'Double burden of malnutrition in rural west java: Household-level analysis for father-child and mother-child pairs and the association with dietary intake', *Nutrients*, 7(10). Available at: <https://doi.org/10.3390/nu7105399>.
- Sekiyama, M, Roosita, K & Ohtsuka, R 2012, 'Snack foods consumption contributes to poor nutrition of rural children in West Java, Indonesia', *Asia Pacific Journal of Clinical Nutrition*, 21(4).
- Sen, T *et al.* 2017, 'Diet-driven microbiota dysbiosis is associated with vagal remodeling and obesity', *Physiology and Behavior*, 173. Available at: <https://doi.org/10.1016/j.physbeh.2017.02.027>.
- Senbanjo, IO *et al.* 2011, 'Prevalence of and risk factors for stunting among school children and adolescents in Abeokuta, Southwest Nigeria', *Journal of Health, Population and Nutrition*, 29(4). Available at: <https://doi.org/10.3329/jhpn.v29i4.8452>.
- Septikasari, M 2018, *Status Gizi Anak dan Faktor yang Mempengaruhi*, UNY Press: Yogyakarta.
- Shimpton, R & Rokx, C 2012, 'The Double Burden of Malnutrition – A Review of Global Evidence', *HNP Discussion Paper*.
- Shin, SM 2017, 'Association of Meat Intake with Overweight and Obesity among School-aged Children and Adolescents', *Journal of Obesity & Metabolic Syndrome*, 26(3). Available at: <https://doi.org/10.7570/jomes.2017.26.3.217>.
- Shinsugi, C *et al.* 2019, 'Double burden of maternal and child malnutrition and socioeconomic status in urban Sri Lanka', *PLoS ONE*, 14(10). Available at:

<https://doi.org/10.1371/journal.pone.0224222>.

Sinha, R *et al.* 2018, 'Determinants of stunting, wasting, and underweight in five high-burden pockets of four Indian states', *Indian Journal of Community Medicine*, 43(4). Available at: https://doi.org/10.4103/ijcm.IJCM_151_18.

Soekatri, MYE, Sandjaja, S & Syauqy, A 2020, 'Stunting was associated with reported morbidity, parental education and socioeconomic status in 0.5–12-year-old Indonesian children', *International Journal of Environmental Research and Public Health*, 17(17), pp. 1–9. Available at: <https://doi.org/10.3390/ijerph17176204>.

Soliman, A, De Sanctis, V & Kalra, S 2014, 'Anemia and growth', *Indian Journal of Endocrinology and Metabolism*. Available at: <https://doi.org/10.4103/2230-8210.145038>.

Soliman, AT *et al.* 2009, 'Linear growth in children with iron deficiency anemia before and after treatment', *Journal of Tropical Pediatrics*, 55(5). Available at: <https://doi.org/10.1093/tropej/fmp011>.

Srivastava, A *et al.* 2012, 'Nutritional status of school-age children - A scenario of urban slums in India', *Archives of Public Health*, 70(1). Available at: <https://doi.org/10.1186/0778-7367-70-8>.

Stewart, CP *et al.* 2013, 'Contextualising complementary feeding in a broader framework for stunting prevention', *Maternal and Child Nutrition*, 9(S2). Available at: <https://doi.org/10.1111/mcn.12088>.

Sunuwar, DR, Singh, DR & Pradhan, PMS 2020, 'Prevalence and factors associated with double and triple burden of malnutrition among mothers and children in Nepal: Evidence from 2016 Nepal demographic and health survey', *BMC Public Health*, 20(1), pp. 1–11. Available at: <https://doi.org/10.1186/s12889-020-8356-y>.

Syaribulan, S & Nurdin, N 2015, 'Geneologi Gender pada Perempuan Pembuat Ikan Kering', *Equilibrium: Jurnal Pendidikan*, 3(1), pp. 96–105. Available at: <https://doi.org/10.26618/equilibrium.v3i1.517>.

Tariku, EZ *et al.* 2018, 'Prevalence and factors associated with stunting and thinness among school-age children in Arba Minch Health and Demographic Surveillance Site, Southern Ethiopia', *PLoS ONE*, 13(11). Available at: <https://doi.org/10.1371/journal.pone.0206659>.

Tayel DI & Ezzat S 2015, 'Anemia and Its Associated Factors among Adolescents in Alexandria, Egypt. -', *International Journal of Health Sciences and Research (IJHSR)*, 5(10).

Tesfaye, M *et al.* 2015, 'Anemia and iron deficiency among school adolescents:

Arini Aulia Nurul Fikri, 2022

PREVALENSI DAN FAKTOR-FAKTOR YANG BERHUBUNGAN DENGAN KEJADIAN DOUBLE BURDEN OF MALNUTRITION DAN TRIPLE BURDEN OF MALNUTRITION ANAK USIA 5 – 12 TAHUN DI INDONESIA

UPN Veteran Jakarta, Fakultas Ilmu Kesehatan, Gizi Program Sarjana

[www.upnvj.ac.id – www.library.upnvj.ac.id – www.repository.upnvj.ac.id]

- burden, severity, and determinant factors in southwest Ethiopia', *Adolescent Health, Medicine and Therapeutics* [Preprint]. Available at: <https://doi.org/10.2147/ahmt.s94865>.
- Tesfaye, TS, Tessema, F & Jarso, H 2020, 'Prevalence of anemia and associated factors among "apparently healthy" urban and rural residents in Ethiopia: A comparative cross-sectional study', *Journal of Blood Medicine*, 11. Available at: <https://doi.org/10.2147/JBM.S239988>.
- Tewabe, T & Belachew, A 2020, 'Determinants of Nutritional Status in School-Aged Children in Mecha, Northwest Ethiopia', *Current Therapeutic Research - Clinical and Experimental*, 93. Available at: <https://doi.org/10.1016/j.curtheres.2020.100598>.
- The Lancet 2019, *The Double Burden of Malnutrition*, The Lancet. Available at: <https://www.thelancet.com/series/double-burden-malnutrition>
- Thurstans, S *et al.* 2022, 'Understanding Sex Differences in Childhood Undernutrition: A Narrative Review', *Nutrients*. Available at: <https://doi.org/10.3390/nu14050948>.
- Tunkara-Bah, H, Badjan, HJ & Senghore, T 2021, 'Dietary factors associated with being overweight and obese among school-going adolescents in Region One, The Gambia', *Heliyon*, 7(3). Available at: <https://doi.org/10.1016/j.heliyon.2021.e06486>.
- Umeokonkwo, AA *et al.* 2020, 'Nutritional status of school age children in Abakaliki metropolis, Ebonyi State, Nigeria', *BMC Pediatrics*, 20(1). Available at: <https://doi.org/10.1186/s12887-020-1994-5>.
- UNICEF 2013, *Improving child nutrition: The achievable imperative for global progress*, UNICEF. Available at: https://data.unicef.org/resources/improving-child-nutrition-the-achievable-imperative-for-global-progress/nutritionreport_april2013_final_29/.
- UNICEF 2015, *Unicef's approach to scaling up nutrition*, UNICEF. [Preprint].
- UNICEF *et al.* 2021, *Levels and trends in child malnutrition: key findings of the 2021 edition of the joint child malnutrition estimates*. Geneva: World Health Organization.
- United Nations 2005, 'Population by sex, rate of population increase, surface area and density', pp. 1–13. (Accessed: 13 March 2022)
- Usman, S, Salma, WO & Asriati, A 2021, 'Evaluasi kejadian stunting pada balita yang memiliki riwayat diare dan ispa di puskesmas rumbia', *Jurnal Ilmiah Obsgin P-ISSN: 1979-3340 e-ISSN ...* [Preprint].

- Uzêda, JCO *et al.* 2019, 'Factors associated with the double burden of malnutrition among adolescents, National Adolescent School-Based Health Survey (PENSE 2009 and 2015)', *PLoS ONE*, 14(6). Available at: <https://doi.org/10.1371/journal.pone.0218566>.
- Vaezghasemi, M 2017, *Nutrition transition and the double burden of malnutrition in Indonesia A mixed method approach exploring social and contextual determinants of malnutrition*. Available at: <http://umu.diva-portal.org/>.
- Visser, M *et al.* 2021, 'Associations of dietary diversity with anaemia and iron status among 5- To 12-year-old schoolchildren in South Africa', *Public Health Nutrition*, 24(9). Available at: <https://doi.org/10.1017/S1368980020000543>.
- Walsh, CE *et al.* 2021, 'Snacking, sugar-sweetened beverage consumption and child obesity in low-income households', *Nutrition and Food Science*, 51(1). Available at: <https://doi.org/10.1108/NFS-02-2020-0048>.
- Wamani, H *et al.* 2007, 'Boys are more stunted than girls in Sub-Saharan Africa: A meta-analysis of 16 demographic and health surveys', *BMC Pediatrics*, 7. Available at: <https://doi.org/10.1186/1471-2431-7-17>.
- Wang, JY *et al.* 2020, 'Reducing Anemia Among School-Aged Children in China by Eliminating the Geographic Disparity and Ameliorating Stunting: Evidence From a National Survey', *Frontiers in Pediatrics*, 8. Available at: <https://doi.org/10.3389/fped.2020.00193>.
- Wang, M *et al.* 2015, 'Association between sugar-sweetened beverages and type 2 diabetes: A meta-analysis', *Journal of Diabetes Investigation*, 6(3). Available at: <https://doi.org/10.1111/jdi.12309>.
- Wangge, G 2019, 'Obesity in school-age children', *Medical Journal of Indonesia*, 28(2), pp. 101–102. Available at: <https://doi.org/10.13181/mji.v28i2.4079>.
- Weisz, A *et al.* 2011, 'The duration of diarrhea and fever is associated with growth faltering in rural Malawian children aged 6-18 months', *Nutrition Journal*, 10(1). Available at: <https://doi.org/10.1186/1475-2891-10-25>.
- Wells, JC *et al.* 2020, 'The double burden of malnutrition: aetiological pathways and consequences for health', *The Lancet*. Available at: [https://doi.org/10.1016/S0140-6736\(19\)32472-9](https://doi.org/10.1016/S0140-6736(19)32472-9).
- Wolde, M, Berhan, Y & Chala, A 2015, 'Determinants of underweight, stunting and wasting among schoolchildren', *BMC Public Health*, 15(1). Available at: <https://doi.org/10.1186/s12889-014-1337-2>.
- World Health Organization 2007, *WHO Reference 2007: Growth reference data for 5-19 years*, <http://www.who.int/growthref/en/> [Preprint]

- World Health Organization 2010, *Interpretation Guide Nutrition Landscape Information System (NLIS) Country Profile indicators*.
- World Health Organization 2011, *Haemoglobin concentrations for the diagnosis of anaemia and assessment of severity*, Geneva, Switzerland: World Health Organization, pp. 1–6. Available at: <https://doi.org/2011>.
- World Health Organization 2014, *Childhood Stunting: Challenges and opportunities. Report of a Promoting Healthy Growth and Preventing Childhood Stunting colloquium.*, WHO Geneva, p. 34.
- World Health Organization 2016, *Ending childhood obesity report of the commission on*.
- World Health Organization 2017, *Diarrhoeal disease*, WHO. Available at: <https://www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease>
- World Health Organization 2017, *The double burden of malnutrition: policy briefing*, World Health Organization. Available at: <https://www.who.int/publications/i/item/WHO-NMH-NHD-17.3>
- World Health Organization 2020, *Healthy diet*, WHO. Available at: <https://www.who.int/news-room/fact-sheets/detail/healthy-diet> (Accessed: 18 May 2022).
- World Health Organization 2020, *Malnutrition*, World Health Organization. Available at: <https://www.who.int/news-room/q-a-detail/malnutrition> (Accessed: 15 June 2021).
- Yabancı, N, Kısaç, İ & Karkuş, SŞ 2014, ‘The Effects of Mother’s Nutritional Knowledge on Attitudes and Behaviors of Children about Nutrition’, *Procedia - Social and Behavioral Sciences*, 116. Available at: <https://doi.org/10.1016/j.sbspro.2014.01.970>.
- Yasmin, G, Kustiyah, L & Dwiriani, CM 2014, ‘Risk factors of stunting among school-aged children from eight provinces in Indonesia’, *Pakistan Journal of Nutrition*, 13(10). Available at: <https://doi.org/10.3923/pjn.2014.557.566>.
- Yu, Z *et al.* 2012, ‘Trends in Overweight and Obesity among Children and Adolescents in China from 1981 to 2010: A Meta-Analysis’, *PLoS ONE*, 7(12). Available at: <https://doi.org/10.1371/journal.pone.0051949>.
- Zahid, N *et al.* 2020, ‘Associations between child snack and beverage consumption, severe dental caries, and malnutrition in Nepal’, *International Journal of Environmental Research and Public Health*, 17(21). Available at: <https://doi.org/10.3390/ijerph17217911>.

- Zárate-Ortiz, AG *et al.* 2019, 'Dietary patterns and the double burden of malnutrition in mexican adolescents: Results from ENSANUT-2006', *Nutrients*, 11(11). Available at: <https://doi.org/10.3390/nu11112753>.
- Zelege, MB *et al.* 2020, 'Anemia and Its Determinants among Male and Female Adolescents in Southern Ethiopia: A Comparative Cross-Sectional Study', *Anemia*, 2020. Available at: <https://doi.org/10.1155/2020/3906129>.
- Zhang, N 2018, 'Trends in urban/rural inequalities in cardiovascular risk biomarkers among Chinese adolescents in two decades of urbanisation: 1991-2011', *International Journal for Equity in Health*, 17(1). Available at: <https://doi.org/10.1186/s12939-018-0813-1>.
- Zhang, N, Bécaries, L & Chandola, T 2016, 'Patterns and determinants of double-burden of malnutrition among rural children: Evidence from China', *PLoS ONE*, 11(7). Available at: <https://doi.org/10.1371/journal.pone.0158119>.
- Zhang, N & Ma, G 2018, 'Interpretation of WHO Guideline: Assessing and Managing Children at Primary Health-care Facilities to Prevent overweight and Obesity in the Context of the Double Burden of Malnutrition', *Global Health Journal*, 2(2), pp. 1–13. Available at: [https://doi.org/10.1016/s2414-6447\(19\)30136-8](https://doi.org/10.1016/s2414-6447(19)30136-8).
- Zhang, YX *et al.* 2016, 'Prevalence of overweight and obesity among children and adolescents in shandong, China: Urban-rural disparity', *Journal of Tropical Pediatrics*, 62(4). Available at: <https://doi.org/10.1093/tropej/fmw011>.
- Zheng, M *et al.* 2014, 'Sugar-sweetened beverages consumption in relation to changes in body fatness over 6 and 12 years among 9-year-old children: The European Youth Heart Study', *European Journal of Clinical Nutrition*, 68(1). Available at: <https://doi.org/10.1038/ejcn.2013.243>.
- Zhou, S *et al.* 2020, 'Double Burden of Malnutrition: Examining the Growth Profile and Coexistence of Undernutrition, Overweight, and Obesity among School-Aged Children and Adolescents in Urban and Rural Counties in Henan Province, China', *Journal of Obesity*, 2020. Available at: <https://doi.org/10.1155/2020/2962138>.