

DAFTAR PUSTAKA

- Alberts B, Johnson A, Lewis J, et al. *Molecular Biology of the Cell*. 4th edition. New York: Garland Science; 2002. Blood Vessels and Endothelial Cells. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK26848/>
- Alimujiang, A., Colditz, G. A., Gardner, J. D., Park, Y., Berkey, C. S., & Sutcliffe, S. (2018). Childhood diet and growth in boys in relation to timing of puberty and adult height: the Longitudinal Studies of Child Health and Development. *Cancer Causes & Control*. doi:10.1007/s10552-018-1068-2
- Altorf – van der Kuil, W., Engberink, M. F., Brink, E. J., van Baak, M. A., Bakker, S. J. L., Navis, G., Geleijnse, J. M. (2010). Dietary protein and blood pressure : a systematic review. *PLoS ONE*, 5(8), e12102
- Artanto, A.Y. (2012). Hubungan Rasio Lingkar Pinggang Tinggi badan dengan Tekanan Darah pada Penduduk Usia 40-65 Tahun, Kecamatan Ngaglik, Kabupaten Sleman, Daerah Istimewa Yogyakarta. *Skripsi*, Fakultas Kedokteran UGM, Yogyakarta
- Ashwell, M., Hsieh, S.D. (2005). Six reasons why the waist-to-height ratio is a rapid and effective global indicator for health risks of obesity and how its use could simplify the international public health message on obesity. *International Journal of Food Sciences and Nutrition*, 56(5) : 303 – 307
- Ashwell, M., Gunn, P., & Gibson, S. (2012) Waist-to-height ratio is a better screening tool than waist circumference and BMI for adult cardiometabolic risk factors: systematic review and meta-analysis. *Obesity Rev*, 13(3) : 275 – 86.
- Atmarita. (2014). The rapid assessment of Student Health and Nutrition, Indonesia, Final Report for The Education Sector Analytical and Capacity Development Partnership (ACDP), July 1, 2014
- Badan Penelitian dan Pengembangan Kesehatan (BPPK) Kementerian Kesehatan Republik Indonesia. (2013). *Riset Kesehatan Dasar 2013*. Jakarta : Kementerian Kesehatan Republik Indonesia
- Barbiero, S.M., Pellanda, L.C., Cesa, C.C., Campagnolo, P., Beltrami, F., & Abrantes, C.C. (2009). Overweight, obesity and other risk factors for IHD in Brazilian schoolchildren. *Public Health Nutrition*, 2(5) : 710–715
- Bassali, R., Waller, J. L., Gower, B., Allison, J., & Davis, C. L. (2010). Utility of waist circumference percentile for risk evaluation in obese children. *International Journal of Pediatric Obesity : IJPO : An Official Journal of the International Association for the Study of Obesity*, 5(1) : 97–101
- Baya Botti, A., Pérez-Cueto, F. J. A., Vasquez Monllor, P. A., & Kolsteren, P. W.. (2010). International BMI-for-age references underestimate

- thinness and overestimate overweight and obesity in Bolivian adolescents. *Nutrición Hospitalaria*, 25(3) : 428-436
- Berenson, G.S., Wattigney, W. A., & Webber, L. S. (1996) Epidemiology of hypertension from childhood to young adulthood in black, white, and Hispanic population samples. *Public Health Reports*, 111 (Suppl 2) : 3–6
- Bidani, A.K. & Griffin K.A. (2004) Pathophysiology of Hypertensive Renal Damage Implications for Therapy. *Hypertension*, 44 : 595-601
- Bogin, B., Kapell, M., Varela-Silva, M.I., Orden, A.B., Smith, P.K., & Loucky, J. (2001) How genetic are human body proportions? In *Perspectives in Human Growth, Development and Maturation*. Kluwer Academic Publishers, 205-221
- Bogin, B., Varela-Silva, M.I., & Rios, L. (2007) Life history trade-offs in human growth: adaptation or pathology? *American Journal of Human Biology*, 19 : 631-642
- Bogin, B., & Varela-Silva, M.I. (2010). Leg length, body proportion, and health : a review with a note of beauty. *International Journal of Environmental Research and Public Health* 7(3) : 1047 – 1075
- Bogin, B., Varela-Silva, M.I. (2008) Fatness biases the use of estimated leg length as an epidemiological marker for adults in the NHANES III sample, *International Journal of Epidemiology*, 37(1) : 201–209
- Bolívar, J.J. (2013) Essential hypertension: An Approach to Its Etiology and Neurogenic Pathophysiology. *International Journal of Hypertension*, 547809
- Bourgeois, B., Watts, K., Thomas, D. M., Carmichael, O., Hu, F. B., Heo, M., Hall, J. E., et al. (2017). Associations between height and blood pressure in the United States population. *Medicine*, 96(50), e9233
- Brewster, L. M., van Montfrans, G. A., Oehlers, G. P., & Seedat, Y. K. (2016) Systematic review: antihypertensive drug therapy in patients of African and South Asian ethnicity. *Internal and Emergency Medicine*, 11 : 355–374
- Brzobohatá, H., Krajíček, V., Horák, Z., & Velemínská, J. (2016). Sexual dimorphism of the human tibia through time: insights into shape variation using a surface-based approach. *PloS one*, 11(11), e0166461. doi:10.1371/journal.pone.0166461
- Caminha, T. C. S., Ferreira, H. S., Costa, N. S., Nakano, R. P., Carvalho, R. E. S., Xavier, A. F. S., & Assunção, M. L. (2017) Waist-to-height ratio is the best anthropometric predictor of hypertension: A population-based study with women from a state of northeast of Brazil. *Medicine*, 96(2), e5874
- Caspersen, C.J., Powell, K.E., & Christenson, G.M. (1985) Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research. *Public Health Reports*, 100 : 126–131
- Carnethon, M.R., Evans, N.S., Church, T.S., Lewis, C.E., Schreiner, P.J., Jacobs, D.R, Jr, et al. (2010) Joint associations of physical activity and

- aerobic fitness on the development of incident hypertension: coronary artery risk development in young adults. *Hypertension*, 56 : 49–55
- Cheung, E. L., Bell, C. S., Samuel, J. P., Poffenbarger, T., Redwine, K. M., & Samuels, J. A. (2017). Race and Obesity in Adolescent Hypertension. *Pediatrics*, 139(5), e20161433
- Choi, J. R., Koh, S. B., & Choi, E. (2018). Waist-to-height ratio index for predicting incidences of hypertension: the ARIRANG study. *BMC public health*, 18(1) : 767. doi:10.1186/s12889-018-5662-8
- Clemente, A.P.G., Santos, C.D., Silva, A.A.B., Martins, V.J., Marchesano, A.C., Fernandes, M.B., Albuquerque, M.B., & Sawaya, A.L. (2012). Mild stunting is associated with higher blood pressure in overweight adolescents. *Arquivos Brasileiros de Cardiologia*, 98(1), 06-12
- Dharmawan, B.S., Hendarto, A., Sjakti, H.A., Prawitasari, T, Trihono, P.P., et al. 2013. *Best Practises in Pediatric*. Jakarta : Ikatan Dokter Anak Indonesia Cabang DKI Jakarta
- De Onis, M., Onyango, A. W., Borghi, E., Siyam, A., Nishida, C., & Siekmann, J. (2007). Development of a WHO growth reference for school-aged children and adolescents. *Bulletin of the World Health Organization*, 85(9), 660–667
- De Wilde, J.A., Zandbergen-Harlaar, S., van Buuren, S., & Middelkoop, B.J. (2013). Trends in body mass index distribution and prevalence of thinness, overweight and obesity in two cohorts of Surinamese South Asian children in The Netherlands. *Archives of Diseases in Childhoof*, 98(4) : 280 - 285.
- Deshmukh, P. R., Sinha, N., & Dongre, A. R. (2013). Social determinants of stunting in rural area of Wardha, Central India. *Medical Journal, Armed Forces India*, 69(3) : 213–217
- Dong, B., Wan, Z., & Ma, J. (2016). Leg to trunk ratio and the risk of hypertension in children and adolescents: a population-based study. *Journal of Public Health*.203 doi: 10.1093 [1] [SEP]
- Dong, F., Howard, A. G., Herring, A. H., Thompson, A. L., Adair, L. S., Popkin, B. M., Gordon-Larsen, P. (2017). Longitudinal associations of away-from-home eating, snacking, screen time, and physical activity behaviors with cardiometabolic risk factors among Chinese children and their parents. *The American Journal of Clinical Nutrition*, 106(1) : 168–178
- Dong, Y.H., Yang, Z.G., Yang, Y.D., Wang, S., Wang, Z.H., Wang, X.J., Chen, Y.J., Zou, Z.Y., & Ma, J.C. (2018). The association between the malnutrition and blood pressure in Chinese Han students aged 7-18 years in 2014. *Journal of Preventive Medicine*, 52(8) : 791-797
- Dwipoerwantoro, P. G., Mansyur, M., Oswari, H., Makrides, M., Cleghorn, G., & Firmansyah, A. (2015). Growth of Indonesian Infants Compared With World Health Organization Growth Standards. *Journal of Pediatric Gastroenterology and Nutrition*, 61(2) : 248–252

- Feld, L.G., & Corey, H. (2007) Hypertension in childhood. *Pediatrics in Reviews*, 28: 283–298.
- Ferreira, H.S., Moura, F.A., Cabral, C.R., Jr, et al. (2009) Short stature of mothers from an area endemic for undernutrition is associated with obesity, hypertension and stunted children: a population-based study in the semi-arid region of Alagoas, Northeast Brazil. *British Journal of Nutrition*, 101 : 1239 –1245
- Ferrie, J.E., Langenberg, C., Shipley, M.J., & Marmot, M.G. (2006) Birth weight, components of height and coronary heart disease: evidence from the Whitehall II study. *International Journal of Epidemiology*, 35(6) : 1532–1542
- Florencio, T.T., Ferreira, H.S., Cavalcante, J.C., et al. (2007) Short stature, abdominal obesity, insulin resistance and alterations in lipid profile in very low-income women living in Maceio, north-eastern Brazil. *European Journal of Cardiovascular Prevention and Rehabilitation*, 14 : 346–348
- Flynn, J.T., Kaelber, D.C., Baker-Smith, C.M, et al., and AAP Subcommittee on Screening and Management of High Blood Pressure in Children. (2017) Clinical practice guideline for screening and management of high blood pressure in children and adolescents. *Pediatrics*, 140(3):e20171904
- Fredriks, A.M., van Buuren, S., van Heel, W.J.M., et al. (2005). Nationwide age references for sitting height, leg length, and sitting height/height ratio, and their diagnostic value for disproportionate growth disorder. *Archives of Disease in Childhood*, 90:807-812
- Fu, X., Song, A., Zhou, Y., Ma, X., Jiao, J., Yang, M., & Zhu, S. (2013). Association of regional body fat with metabolic risks in Chinese women. *Public Health Nutrition*, 17(10) : 2316–2324
- Fung, W. (2010). Early Childhood Malnutrition and Adult Obesity: Evidence from 1959-61 Chinese Famine.
- Fuster, V., Kelly, B.B, Institute of Medicine (US) Committee on Preventing the Global Epidemic of Cardiovascular Disease: Meeting the Challenges in Developing Countries. (2010). *Promoting Cardiovascular Health in the Developing World: A Critical Challenge to Achieve Global Health*. Washington (DC): National Academies Press. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK45694/>
- Gamboa Delgado EM1, Domínguez Urrego CL, Quintero Lesmes DC. (2017) Waist-to-height ratio and its relation with cardiometabolic risk factors in children from Bucaramanga, Colombia. *Nutricion Hospitalaria*. 34(5) : 1338-1344

- Ganong, W.F. (2005) *Review of Medical Physiology*. 22nd Ed. Princeton : The McGraw-Hill Companies
- García Cruz, L. M., González Azpeitia, G., Reyes Suárez, D., Santana Rodríguez, A., Loro Ferrer, J. F., & Serra-Majem, L. (2017). Factors Associated with Stunting among Children Aged 0 to 59 Months from the Central Region of Mozambique. *Nutrients*, 9(5) : 491
- Geberselassie, S. B., Abebe, S. M., Melsew, Y. A., Mutuku, S. M., & Wassie, M. M. (2018). Prevalence of stunting and its associated factors among children 6-59 months of age in Libo-Kemekem district, Northwest Ethiopia; A community based cross sectional study. *PLoS ONE*, 13(5) : e0195361
- Gillis, E. E., & Sullivan, J. C. (2016). Sex Differences in Hypertension: Recent Advances. *Hypertension (Dallas, Tex. : 1979)*, 68(6), 1322-1327.
- Gonzalez, C., Almaraz, L., Obeso, A., & Rigual, R. (1994). Carotid body chemoreceptors: from natural stimuli to sensory discharges. *Physiological Review*, 74 : 829–898
- Grasgruber, P., Cacek, J., Kalina, T., et al. (2014) The role of nutrition and genetics as key determinants of the positive height trend. *Economy Human Biology*, 15 : 81–100
- Gujic, Marko et al. (2007) Differential effects of metaboreceptor and chemoreceptor activation on sympathetic and cardiac baroreflex control following exercise in hypoxia in human. *The Journal of Physiology*, 585.Pt 1 : 165–174
- Günther, A. L. B., Karaolis-Danckert, N., Kroke, A., Remer, T., & Buyken, A. E. (2009). Dietary Protein Intake throughout Childhood Is Associated with the Timing of Puberty. *The Journal of Nutrition*, 140(3) : 565–571
- Gurmaches, J.S., & Guetin, D.A. (2014). Adipocyte Lineage : Tracing Back the Origins of fat. *Biochim Biophys Acta*, 1842(3) : 340 - 351
- Hall, J.E. (2014). *Guyton and Hall Textbook of Medical Physiology*. 12th Ed. Singapore : Saunders Elsevier
- Harahap, H., Sandjaja., Soekatri, M. (2015). Kepadatan tulang, aktivitas fisik, dan konsumsi makanan berhubungan dengan kejadian stunting pada anak usia 6-12 tahun. *Gizi Indonesia*, 38(1) : 1-8
- Haris, S., Dimiati, H., & Anwar, M.S. (2013). Profil hipertensi pada anak di RSUD Dr.Zainoel Abidin Banda Aceh. *Sari Pediatri*, 15(2) doi: 10.14238/sp15.2.2013.105-110

- Hattori, K., Hirohara, T., & Satake, T. (2011). Body proportion chart for evaluating changes in stature, sitting height and leg length in children and adolescents. *Annals of Human Biology*, 38 : 556–560
- Haugaard, L.K., Baker, J.L., Perng, W., Belfort, M.B., Rifas-Shiman, S.L., Switkowski, K., Oken, E., Gillman, M.W. (2016). Growth in Total Height and Its Components and Cardiometabolic Health in Childhood. *PLoS One*, 11(9) : e0163564
- Hellmer, J., Marcus, C., Sonnefeld, T., & Arner, P. (1992). Mechanisms for differences in lipolysis between human subcutaneous and omental fat cells. *Journal of Clinical Endocrinology and Metabolism*, 75: 15–20^[1]_{SEP}
- Hill, K. D., & Li, J. S. (2016). Childhood hypertension: an underappreciated epidemic? *Pediatrics*, 138(6), e20162857–e20162857. doi:10.1542/peds.2016-2857
- Hisra, A., Vikram, N.K., (2003). Clinical and pathophysiological consequences of abdominal adiposity and abdominal adipose tissue depots. *Nutrition*, 19: 457–466
- Houck, K., Sorensen, M., Lu, F., Alban, D., Alvarez, K., Hidobro, D., Ona, A. (2013). The Effects of Market Integration on Childhood Growth and Nutritional Status: the Dual Burden of Under- and Over-Nutrition in the Northern Ecuadorian Amazon. *American Journal of Human Biology : The Official Journal of the Human Biology Council*, 25(4) : 524–533
- Husain., Kazim., Ansari, R.A., & Ferder, L. (2014) Alcohol-Induced Hypertension: Mechanism and Prevention. *World Journal of Cardiology* 6.5 : 245–252
- Ibrahim, I.A., & Faramita, R. (2015). Hubungan Faktor Sosial Ekonomi Keluarga dengan Kejadian Stunting Anak Usia 24-59 Bulan di Wilayah Kerja Puskesmas Barombong Kota Makassar Tahun 2014. *Al Shihah Public Health Science Journal*, 7(1) : 63-75
- Ikeda, N., Irie, Y., & Shibuya, K. (2013). Determinants of reduced child stunting in Cambodia: analysis of pooled data from three Demographic and Health Surveys. *Bulletin of the World Health Organization*, 91(5) : 341–349
- Inokuchi, M., Matsuo, N., Takayama, J., et al. (2017). WHO 2006 Child Growth Standards overestimate short stature and underestimate overweight in Japanese children. *Journal of Pediatric Endocrinology and Metabolism*, 31(1) : 33-38

- Jiang, Y., Dou, Y.L., Xiong, F., Zhang, L., Zhu, G.H., Wu, T., Zhang, Y., & Yan, W.L. (2018). Waist-to-height ratio remains an accurate and practical way of identifying cardiometabolic risks in children and adolescents. *Acta Paediatrica*, doi : 10.1111/apa.14323
- Joint National Committee. 2004. *The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure*. US Department of Health and Human Services
- Kabir, I., Rahman, M.M ., Haider, R., Mazumder, R.N., Khaled, M.A., Mahalanabis, D. (1998). Increased Height Gain of Children Fed a High-Protein Diet during Convalescence from Shigellosis: A Six-Month Follow-Up Study, *The Journal of Nutrition*, 128(10) : 1688–1691
- Kahn, H.S, Bain, R.P., & Pullen-Smith, B. (1986) Interpretation of children's blood pressure using a physiologic height correction. *Journal of Chronic Diseases*, 39 : 521–31
- Kang, S.M., Yoon, J.Y., Ahn, H.Y., et al. (2011). Android fat depot is more closely associated with metabolic syndrome than abdominal visceral fat in elderly people. *PLoS ONE*, 6(11) : Article ID e27694
- Kementerian Pendidikan dan Kebudayaan Indonesia. 2016. *Indonesia Educational Statistics In Brief = Ringkasan Statistik Pendidikan Indonesia 2015/2016*. Jakarta : Kemendikbud
- Kesztyüs, D., Wirt, T., Kobel, S., Schreiber, A., Kettner, S., Dreyhaupt, J., Steinacker, J. M. (2013). Is central obesity associated with poorer health and health-related quality of life in primary school children? Cross-sectional results from the Baden-Württemberg Study. *BMC Public Health*, 13 : 260
- Khoury, M., Manlhiot, C., & McCrindle, B. W. (2013). Role of the Waist/Height Ratio in the Cardiometabolic Risk Assessment of Children Classified by Body Mass Index. *Journal of the American College of Cardiology*, 62(8) : 742–751
- Kimani-Murage, E.W., Kahn, K., Pettifor, J.M., Tollman, S.M., Dunger, D.B., Gómez-Olivé, X.F., et al. (2010). The prevalence of stunting, overweight and obesity, and metabolic disease risk in rural South African children. *BMC Public Health*, 10:158.
- Kinra, S., Rameshwar Sarma, K. V., Ghafoorunissa, Mendu, V. V. R., Ravikumar, R., Mohan, V., Ben-Shlomo, Y. (2008). Effect of integration of supplemental nutrition with public health programmes in pregnancy and early childhood on cardiovascular risk in rural Indian

- adolescents: long term follow-up of Hyderabad nutrition trial. *The British Medical Journal*, 337, a605. <http://doi.org/10.1136/bmj.a605>
- Kuba, V. M., Leone, C., & Damiani, D. (2013). Is waist-to-height ratio a useful indicator of cardio-metabolic risk in 6-10-year-old children? *BMC Pediatrics*, 13 : 91
- Langenberg, C., Hardy, R., Breeze, E., Kuh, D. (2005). Influence of short stature on the change in pulse pressure, systolic and diastolic blood pressure from age 36 to 53 years: an analysis using multilevel models. *International Journal of Epidemiology*. 34 : 905–13
- Lawlor, D.A., Ebrahim, S., & Smith, G. D. (2002). The association between components of adult height and Type II diabetes and insulin resistance: British Women’s Heart and Health Study. *Diabetologia*, 45(8) : 1097–1106
- Lee, J.W., Lim, N.K., Baek, T.H., Park, S.H., & Park, H.Y. (2015). Anthropometric indices as predictors of hypertension among men and women aged 40–69 years in the Korean population: the Korean Genome and Epidemiology Study. *BMC Public Health*, 15, 140.
- Lee, Z.B., & Kim, J.Y. (2014). A comparison of the predictive power of anthropometric indices for hypertensive and hypotension risk. *PLOS One*, 9(1):1–11
- Leitch, I. (1951) Growth and health. *British Journal of Nutrition*, 5 : 142-151
- Leon, D.A., Koupilova, I., Lithell, H.O., Berglund, L., Mohsen, R., Vagero, D. et al. (1996) Failure to realise growth potential in utero and adult obesity in relation to blood pressure in 50 year old Swedish men. *British Medical Journal*, 312 : 401–406
- Li, C., Ford, E.S., McGuire, L.C., Mokdad, A.H. (2007). Increasing trends in waist circumference and abdominal obesity among US adults. *Obesity (Silver Spring)*, 15 : 216–224
- Lin, L.L., Zheng, B., Lyu, J., Guo, Y., Bian, Z., Yu, C.Q., Yang, L., Zhou, H.Y., Tan, Y.L., Pei, P., Chen, J.S., Chen, Z.M., Li, L.M. (2016). Association between age at menarche and height and leg length in adult women: findings from survey in 10 areas in China. *China Journal of Epidemiology*, 37(11) : 1454 – 1458
- Liu, H., Fang, H., & Zhao, Z. (2013). Urban–rural disparities of child health and nutritional status in China from 1989 to 2006. *Economics and Human Biology*, 11(3) : 294–309
- Livingston, L.A., & Mandigo, J.L. (1997). Bilateral within-subject Q angle asymmetry in young adult females and males. *Biomedical Science Instrument*, 33:112–117
- Lurbe, E., Agabiti-Rosei, E., Cruickshank, J.K., Dominiczak, A., Erdine, S., Hirth, A., et al. (2016). 2016 European Society of Hypertension guidelines for the management of high blood pressure in children and adolescents. *Journal of hypertension*, 34 : 000-000
- Maffeis, C., Banzatto, C., & Talamini, G. (2008). Waist-to-height ratio, a useful index to identify high ^{[[1]]}_{SEP} metabolic risk in overweight children.

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- Mantzoros, C.S., Moschos, S., Avramopoulos, I., Kaklamani, V., Liolios, A., Doulgerakis, D.E., Griveas, I., Katsilambros, N., & Flier, J.S. (1997). Leptin concentrations in relation to body mass index and the tumor necrosis factor- α system in humans. *Journal of Clinical Endocrinology and Metabolism*, 82: 3408–3413
- Mateos-Cáceres, P.J., Zamorano-León, J.J., Rodríguez-Sierra, P., Macaya, C., & López-Farré, A.J. (2012). New and Old Mechanisms Associated with Hypertension in the Elderly. *International Journal of Hypertension*, 2012 : 150107
- Maranon., Rodrigo., & Reckelhoff, J.F. (2013) Sex and Gender Differences in Control of Blood Pressure. *Clinical science*, 125(7) : 311–318
- Marcato., Gasparini, D., Sampaio., Dutra, J., Alves., Badiani, E.R., Jesus., Araujo, de J.S., Fuly., Bessa, J.T., Giovaninni., Bermudes, N.P., & Fiorot, C.E. (2014). Sitting-height measures are related to body mass index and blood pressure levels in children. *Arquivos Brasileiros de Endocrinologia & Metabologia*, 58(8) : 802-806
- Mårin, P., Andersson, B., Ottosson, M., Olbe, L., Chowdhury, B., Kvist, H., Holm, G., Sjöström, L., & Björntorp, P. (1992). The morphology and metabolism of intra-abdominal adipose tissue in men. *Metabolism*, 41: 1241–1248
- Markovitz, J.H., Matthews, K.A., Whooley, M., et al. (2004). Increases in job strain are associated with incident hypertension in the CARDIA Study. *Annals of Behavioral Medicine*, 28 : 4–9
- McCarthy, H.D, Ashwell, M. (2006). A study of central fatness using waist-to-height ratios in UK children and adolescents over two decades supports the simple message–’keep your waist circumference to less than half your height. *International Journal of Obesity*, 30(6) : 988–992
- McIntyre, M.H. (2011). Adult stature, body proportions and age at menarche in the United States National Health and Nutrition Survey (NHANES) III. *Annals of Human Biology*, 38 : 716–720
- Merhi, B. A., Al-Hajj, F., Al-Tannir, M., Ziade, F., & El-Rajab, M. (2011). A survey of blood pressure in Lebanese children and adolescence. *North American journal of medical sciences*, 3(1), 24-9
- Mitani, Y (2017). Gender-related differences in lower limb alignment, range of joint motion, and the incidence of sports injuries in Japanese university athletes. *Journal of physical therapy science*, 29(1), 12-15
- Montagnese, C., Nutile, T., Marphatica, A.A., Grijalva-Eternod, C.S., Siervo, M., Ciullo, M., & Wells, J.C. (2014). Body composition, leg length and blood pressure in a rural Italian population: A test of the capacity-load model. *Nutrition, Metabolism, and Cardiovascular Diseases*, 24(11) : 1204 – 1212
- Mushtaq, M. U., Gull, S., Khurshid, U., Shahid, U., Shad, M. A., & Siddiqui, A. M. (2011). Prevalence and socio-demographic correlates of stunting

- and thinness among Pakistani primary school children. *BMC Public Health*, 11 : 790
- National Health and Nutrition Survey (NHANES). 2013. *Anthropometry Procedures Manual*. Atlanta : Centers for Disease Control and Prevention
- National Institutes of Health. (1998). Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults--The Evidence Report. *Obesity Research*, 6 (2) : 51S-209S
- Nguyen, A.D., & Shultz, S. J. (2007). Sex Differences in Clinical Measures of Lower Extremity Alignment. *Journal of Orthopaedic & Sports Physical Therapy*, 37(7) : 389–398
- Nichols, M., Stein, A. D., & Wold, J. L. (2014). Health status of children of migrant farm workers: Farm Worker Family Health Program, Moultrie, Georgia. *American journal of public health*, 104(2) : 365-70.
- Nielsen, S., Guo, Z., Johnson, C. M., Hensrud, D. D., & Jensen, M. D. (2004). Splanchnic lipolysis in human obesity. *Journal of Clinical Investigation*, 113(11) : 1582–1588
- Norton, K., & Olds, T. 2004. *Anthropometrica*. Sydney : University of New South Wales
- Nuruddin, R., & Hadden, W. C. (2015). Are pre-school girls more likely to be under-nourished in rural Thatta, Pakistan? A cross-sectional study. *International Journal for Equity in Health*, 14 : 151
- O'Brien, E., Asmar, R., Beilin, L., Imai, Y., Mancia, G., Mengden, T., Myers, M., Padfield, P., Palatini, P., Pickering, T., Redon, J., Staessen, J., Stergiovu G., & Verdecchia, P. (2005). Practice guidelines of the European Society of Hypertension for clinic, ambulatory and self blood pressure measurement. *Journal of Hypertension*, 23(4) : 697 – 701
- Olszanecka, A., Dragan, A., Kawecka-Jaszcz, K., Fedak, D., & Czarnecka, D. (2017). Relationships of insulin-like growth factor-1, its binding proteins, and cardiometabolic risk in hypertensive perimenopausal women. *Metabolism*, 69 : 96–106.
- Ononamadu, C.J., Ezekwesili, C.N., Onyeukwu, O.F., Umeogaju, U.F., Ezeigwe, O.C., & Ihegboro, G.O. (2017). Comparative analysis of anthropometric indices of obesity as correlates and potential predictors of risk for hypertension and prehypertension in a population in Nigeria. *Cardiovascular Journal of Africa*, 28(2) : 92-99
- Ouchi, N., Kihara, S., Arita, Y., Maeda, K., Kuriyama, H., Okamoto, Y., Hotta, K., Nishida, M., Takahashi, M., Nakamura, T., Yamashita, S., Funahashi, T., & Matsuzawa, Y. (1999). Novel modulator for endothelial adhesion molecules: adipocyte-derived plasma protein adiponectin. *Circulation*, 100: 2473–2476
- Piper, M.A., Evans, C.V., Burda, B.U., et al. (2014). Screening for High Blood Pressure in Adults: A Systematic Evidence Review for the U.S. Preventive Services Task Force. *Agency for Healthcare Research and Quality* (Evidence Syntheses, No. 121)

- Purwanta, A.E.B. (2015). Hubungan nilai Q angle dengan patello femoral pain syndrome (PFPS) pada atlet angkat besi Yogyakarta (Pre-eliminary study). *Tesis*, Universitas Gadjah Mada, Yogyakarta
- Pusat Data dan Informasi Kementerian Kesehatan Republik Indonesia. (2014). *Infodatin Hipertensi*. Jakarta : Kementerian Kesehatan Republik Indonesia
- Rachmi, C. N., Agho, K. E., Li, M., & Baur, L. A. (2016). Stunting coexisting with overweight in 2·0–4·9-year-old Indonesian children: prevalence, trends and associated risk factors from repeated cross-sectional surveys. *Public Health Nutrition*, 19(15), 2698–2707
- Rah JH, Christian P, Shamim AA, Arju AT, Labrique AB, et al. (2009). Predictors of stunting and thinness in post-menarcheal adolescent girls in rural Bangladesh. *Public Health Nutrition*, 12(12) : 2400 –2409
- Raj, A., McDougal, L. P., & Silverman, J. G. (2015). Gendered Effects of Siblings on Child Malnutrition in South Asia: Cross-sectional analysis of Demographic and Health Surveys from Bangladesh, India, and Nepal. *Maternal and Child Health Journal*, 19(1) : 217–226
- Rao, S., & Apte, P. (2009). Social class-related gradient in the association of skeletal growth with blood pressure among adolescent boys in India. *Public Health Nutrition*, 12 : 2256–2262
- Ramoshaba., Monyeki, K., & Hay, L. (2016). Components of Height and Blood Pressure among Ellisras Rural Children: Ellisras Longitudinal Study. *International Journal of Environmental Research and Public Health*. 13(9) : 856
- Ramoshaba, N.E., Monyeki, K.D., Mpya, J., & Monyeki, M.S. (2018). The relationship between sitting height, sitting height to height ratio with blood pressure among Polokwane private school children aged 6–13 years. *BMC Public Health*, 17(1) : 973
- Rebholz, C.M., Friedman, E.E., Powers, L.J., Arroyave, W.D., Jiang He, Kelly, T.N (2012). Dietary Protein Intake and Blood Pressure: A Meta-Analysis of Randomized Controlled Trials. *American Journal of Epidemiology*, 176(7) : S27–S43
- Regnault, N., Kleinman, K. P., Rifas-Shiman, S. L., Langenberg, C., Lipshultz, S. E., & Gillman, M. W. (2014). Components of height and blood pressure in childhood. *International Journal of Epidemiology*, 43(1) : 149–159
- Ren, W., Rammohan, A., & Wu Y (2014) Is there a gender gap in child nutritional outcomes in rural China? *China Economic Review*, 31: 145–155
- Ribeiro, R.C., Coutinho, M., Bramorski, M.A., Giuliano, I.C., & Pavan, J. (2010). Association of the waist-to-height ratio with cardiovascular risk factors in children and adolescents: the three cities heart study. *International Journal of Preventive Medicine*, 1(1) : 39 – 49
- Robinson, E. S., Khankin, E. V., Karumanchi, S. A., & Humphreys, B. D. (2010). Hypertension induced by vascular endothelial growth factor signaling pathway inhibition: mechanisms and potential use as a

- biomarker. *Seminars in nephrology*, 30(6), 591-601
- Rodrigues, F.B.A., Farias, R.F., & Dos Anjos, W. (2018). Evaluating the impact of measurement uncertainty in blood pressure measurement on hypertension diagnosis. *Blood Pressure Monitoring*, 23(3) : 141 -147
- Said-Mohammed, R., Pioreschi, A., Nyati, L.H., Heerden, A., Munthali, R.J., Kahn, K., Tollman, S.M, et al. (2018). Rural urban variations in age at menarche, adult height, leg-length and abdominal adiposity in South African women in transitioning South Africa. *Annals of Human Biology*, 45(2) : 123 -132
- Salgado CM, Carvalhes JT. Hipertensão arterial na infância. *J Pediatr (Rio J)* 2003;79(supl.1):S115– S124. *Annals of Human Biology*, 1464 – 5033
- Santomauro, F., Lorini, C., Pieralli, F., Niccolai, G., Picciolli, P., Vezzosi, S., & Bonaccorsi, G. (2017). Waist-to-height Ratio and Its Association with Body Mass Index in a Sample of Tuscan Children in Primary School. *Italian Journal of Pediatrics*, 43 : 53
- Schooling, C. M., Jiang, C., Lam, T. H., Thomas, G. N., Heys, M., et al. (2007). Height, Its Components, and Cardiovascular Risk Among Older Chinese: A Cross-Sectional Analysis of the Guangzhou Biobank Cohort Study. *American Journal of Public Health*, 97(10), 1834–1841
- Schutte, A. E., Volpe, M., Tocci, G., & Conti, E. (2014). Revisiting the Relationship Between Blood Pressure and Insulin-Like Growth Factor-1. *Hypertension*, 63(5), 1070–1077
- Setiawan, Ahmad Heri (2015). Hubungan Antara Lingkar Pinggang, Lingkar Perut, dan Lingkar Lengan Atas dengan Tekanan Daah Sistolik dan Diastolik pada Mahasiswa di Daerah Istimewa Yogyakarta. *Skripsi*, Fakultas Kedokteran UGM, Yogyakarta
- Sherwood, L. 2010. *Human Physiology : From Cell to System*. 7th Ed. Belmont CA : Brooks/Cole
- Shihab, H. M., Meoni, L. A., Chu, A. Y., Wang, N. Y., Ford, D. E., Liang, K. Y., Gallo, J. J., et al. (2012). Body mass index and risk of incident hypertension over the life course: the Johns Hopkins Precursors Study. *Circulation*, 126(25), 2983-9.
- Smith, D.G., Greenwood, R., Gunnell, D., Sweetnam, P., Yarnell, J., Elwood, P. (2001). Leg length, insulin resistance, and coronary heart disease risk : The Caerphilly Study. *Journal of Epidemiology Community Health*. 55(12) : 867–72.
- Smith, L. C., Ruel, M. T., & Ndiaye, A. (2005). Why Is Child Malnutrition Lower in Urban Than in Rural Areas? Evidence from 36 Developing Countries. *World Development*, 33(8) : 1285–1305
- Srinivasan, C. S., Zanello, G., & Shankar, B. (2013). Rural-urban disparities in child nutrition in Bangladesh and Nepal. *BMC Public Health*, 13 : 581
- Svedberg, P. (1990). Undernutrition in sub-Saharan Africa: is there a gender bias?. *The Journal of Development Study*, 26: 469-486

- Takahashi, H., Yoshika, M., Komiyama, Y., Nishimura, M. (2011). The central mechanism underlying hypertension : a review of the roles of sodium ions, epithelial sodium channels, the renin–angiotensin–aldosterone system, oxidative stress and endogenous digitalis in the brain. *Hypertension Research*, 34(11) : 1147–1160
- Tella, B.A., Ulogo, U., Odebiyi, D.O., & Omolulu, A.B. (2010). Gender variation of bilateral Q-angle in young adult Nigerians. *Nigerian Quarterly Journal of Medicine*, 37(11): 1454-1458
- Tortora, G.J., & Derrickson, B. 2012. *Principle of Anatomy & Physiology*. 13th Ed. New Jersey : John Wiley & Sons, Inc Trihono., Atmarita.,
- Tjandrarini, D.H., Irawati, A., Utami, N.H., Tejayanti, T., Nurlinawati, I. (2015). *Pendek (Stunting) di Indonesia, Masalah dan Solusinya*. Jakarta : Lembaga Penerbit Balitbangkes Kemenkes RI
- Tseng, C.H., Chong, C.K., Chan, T.T., Bai, C.H., You, S.L., Chiou, H.Y., et al. (2010). Optimal anthropometric factor cutoffs for hyperglycemia, hypertension and dyslipidemia for the Taiwanese population. *Atherosclerosis*, 210(2):585–9
- Tseng, Y. H., Kokkotou, E., Schulz, T. J., Huang, T. L., Winnay, J. N., Taniguchi, C. M., Tran, T. T., Suzuki, R., Espinoza, D. O., Yamamoto, Y., Ahrens, M. J., Dudley, A. T., Norris, A. W., Kulkarni, R. N., et al. (2008). New role of bone morphogenetic protein 7 in brown adipogenesis and energy expenditure. *Nature*, 454(7207), 1000-1004
- UNICEF. 2013. *Improving child nutrition: the achievable imperative for global progress*. New York : UNICEF
- Vieira, S.A., Almada Fonseca, P.C., Andreoli, C.S., Pereira, P.F., Hermsdoff, H.H.M., Ribeiro, A.Q., Priore, S.E., Franceschini, S.D.C. (2018). Blood pressure is associated with body adiposity indicators in children aged 4 to 7 years. *Revista Portuguesa de Cardiologica*, 37 (5) : 425 – 432
- Virdis, A., Giannarelli, C., Neves, M.F., Taddei, S., & Ghiadoni, L. (2010) Cigarette smoking and hypertension. *Current Pharmaceutical Design*, 16(23) : 2518-2525
- Vorwieger, E., Kelso, A., Steinacker, J. M., Kesztyüs, D., & on behalf of the URMEL-ICE study group. (2018). Cardio-metabolic and socio-environmental correlates of waist-to-height ratio in German primary schoolchildren: a cross-sectional exploration. *BMC Public Health*, 18 : 280
- Wajchenberg, B.L. (2000). Subcutaneous and visceral adipose tissue: their relation to the metabolic syndrome. *Endocr Rev*, 21: 679–738
- Wamani, H., Åstrøm, A. N., Peterson, S., Tumwine, J. K., & Tylleskär, T. (2007). Boys are more stunted than girls in Sub-Saharan Africa: a meta-analysis of 16 demographic and health surveys. *BMC Pediatrics*, 7 : 17
- Wamani, H., Tylleskär, T., Åstrøm, A. N., Tumwine, J. K., & Peterson, S. (2004). Mothers' education but not fathers' education, household assets

- or land ownership is the best predictor of child health inequalities in rural Uganda. *International Journal for Equity in Health*, 3 : 9
- Weisberg, S.P., McCann, D., Desai, M., Rosenbaum, M., Leibel, R.L., & Ferrante, A.W. (2003) Obesity is associated with macrophage accumulation in adipose tissue. *Journal of Clinical Investigation*, 112: 1796–1808
- Whelton, P.K., Carey, R.M., Aronow, W.S., Casey, D.E., Collins, K.J., et al. (2017). 2017 Guideline for the prevention, detection, evaluation, and management of high blood pressure in adults. *Journal of American College of Cardiology*, 23976; DOI: 10.1016/j.jacc.2017.07.745
- Williams, S., Dickson, N. (2002) Early growth, menarche, and adiposity rebound. *Lancet*, 359 : 580 – 581
- World Health Organization Expert Consultation. (2004). Appropriate body-mass index for Asian populations and its implications for policies and intervention strategies. *Lancet*, 363:157-163
- World Health Organization. (2007). *Growth reference data for 5-19 years*. Available from : <https://www.who.int/growthref/en/>
- World Health Organization. (2011). *Waist circumference and waist-hip ratio: report of a WHO Expert Consultation Geneva 2011*. Available from: http://www.who.int/nutrition/publications/obesity/WHO_report_waistcircumference_and_waisthip_ratio/en/
- World Health Organization . (2015). *Global Health Observation*. Geneva, Switzerland : WHO
- Yang, M., Xue, H., Pan, J., Libuda, L., Muckelbauer, R., Yang, M., ... Cheng, G. (2017). High protein intake along with paternal part-time employment is associated with higher body fat mass among girls from South China. *European Journal of Nutrition*, 57(5) : 1845–1854
- Yasin, A., & Filler, G. (2013). Evaluating Canadian children: WHO, NHANES or what? *Journal Paediatric and Child Health*, 49(4) : 282-90
- Zhang, N., Bécares, L., & Chandola, T. (2016). Patterns and Determinants of Double-Burden of Malnutrition among Rural Children: Evidence from China. *PLoS ONE*, 11(7) : e0158119
- Zhang, Y.Q., & Li, H. (2014). Reference charts of sitting height, leg length and body proportions for Chinese children aged 0–18 years. *Annals of Human Biology*, 42(3) : 223 -230
- Zhang Y., Zhao J., Chu Z., & Wang L. (2015). The association between components of height and blood pressure among children and adolescents in Shandong, China. *International Journal of Cardiology*, 182: 18–19.
- Zivicnjak, M., Naraneie, N.S., Szivoczka, L., Franke, D., Hrenovic, J., & Bisof, V. (2003). Gender-specific growth pattern for stature, sitting height and limbs length in Croatian children and youth (3 to 18 years of age). *Collegium Anthropologicum*, 27(1): 321-3



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Gilbert Renardi Kusila, Dra. Neni Trilusiana Rahmawati, M.Kes., Ph.D ; Janatin Hastuti, S.Si., M.Kes., Ph.D
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