

DAFTAR PUSTAKA

1. Muntner P, Shimbo D, Carey RM, Charleston JB, Gaillard T, Misra S, et al. Measurement of blood pressure in humans: a scientific statement from the American Heart Association. *Hypertension*. 2019;73(5):E35–66. doi: 10.1161/HYP.0000000000000087
2. Whelton PK, Carey RM, Aronow WS, Casey DE, Collins KJ, Dennison Himmelfarb C, et al. 2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA guideline for the prevention, detection, evaluation, and management of high blood pressure in adults: a report of the American College of Cardiology/American Heart Association task force on clinical practice guidelines. *Journal of American College Cardiology*. 2018;71(19):e127–248. doi: 10.1016/j.jacc.2017.11.006
3. Wan EYF, Yu EYT, Chin WY, Fong DYT, Choi EPH, Lam CLK. Association of blood pressure and risk of cardiovascular and chronic kidney disease in Hong Kong hypertensive patients. *Hypertension*. 2019;74(2):331–40. doi: 10.1161/HYPERTENSIONAHA.119.13123
4. Clark EA, Buhr GT. Hypotension. In: *Pathy's principles and practice of geriatric medicine*. Wiley; 2022. p. 419–26. doi: 10.1002/9781119484288.ch32
5. Fuchs FD, Whelton PK. High blood pressure and cardiovascular disease. *Hypertension*. 2020;75(2):285–92. doi: 10.1161/HYPERTENSIONAHA.119.14240
6. World Health Organization. *Cardiovascular diseases*. World Health Organization. 2021. p. 277–82. Available from: [https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds)) [Accessed 10th October 2022]

7. World Health Organization. *Hypertension*. World Health Organization. 2021. Available from: <https://www.who.int/news-room/fact-sheets/detail/hypertension> [Accessed 1st September 2022]
8. Kirkland EB, Heincelman M, Bishu KG, Schumann SO, Schreiner A, Axon RN, et al. Trends in healthcare expenditures among US adults with hypertension: national estimates, 2003–2014. *Journal of American Heart Association*. 2018;7(11):1–9. doi: 10.1161/JAHA.118.008731
9. Gheorghe A, Griffiths U, Murphy A, Legido-Quigley H, Lamptey P, Perel P. The economic burden of cardiovascular disease and hypertension in low and middle-income countries: a systematic review. *BMC Public Health*. 2018;18(1):975. doi: 10.1186/s12889-018-5806-x
10. Finkelstein EA, Chay J, Bajpai S. The economic burden of self-reported and undiagnosed cardiovascular diseases and diabetes on Indonesian households. Mahal A, ed. *PLoS One*. 2014;9(6):e99572. doi: 10.1371/journal.pone.0099572
11. Kementerian Kesehatan Republik Indonesia. *Laporan hasil riset kesehatan dasar (Riskesdas) 2018*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan; 2019.
12. Dinas Kesehatan Provinsi Jawa Tengah. *Profil kesehatan Provinsi Jawa Tengah tahun 2019*. Dinas Kesehatan Provinsi Jawa Tengah; 2020.
13. Dinas Kesehatan Kabupaten Kudus. *Profil kesehatan Kabupaten Kudus tahun 2021*. Kudus: Dinas Kesehatan Kabupaten Kudus; 2022.
14. Saxton SN, Clark BJ, Withers SB, Eringa EC, Heagerty AM. Mechanistic links between obesity, diabetes, and blood pressure: role of perivascular adipose tissue. *Physiological Reviews*. 2019;99(4):1701–63. doi: 10.1152/physrev.00034.2018
15. Nuttall FQ. Body mass index. *Nutrition Today*. 2015;50(3):117–28. doi: 10.1097/NT.0000000000000092

16. Buss J. Limitations of body mass index to assess body fat. *Workplace Health Safety*. 2014;62(6):264–264. doi: 10.1177/216507991406200608
17. Ross R, Neeland IJ, Yamashita S, Shai I, Seidell J, Magni P, et al. Waist circumference as a vital sign in clinical practice: a consensus statement from the IAS and ICCR working group on visceral obesity. *Nature Reviews Endocrinology*. 2020;16(3):177–89. doi: 10.1038/s41574-019-0310-7
18. Chandra A, Neeland IJ, Berry JD, Ayers CR, Rohatgi A, Das SR, et al. The relationship of body mass and fat distribution with incident hypertension. *Journal of American College of Cardiology*. 2014;64(10):997–1002. doi: 10.1016/j.jacc.2014.05.057
19. Sagaro GG, Di Canio M, Amenta F. Correlation between body mass index and blood pressure in seafarers. *Clinical Experimental Hypertension*. 2021;43(2):189–95. doi: 10.1080/10641963.2020.1836193
20. Linderman GC, Lu J, Lu Y, Sun X, Xu W, Nasir K, et al. Association of body mass index with blood pressure among 1.7 million Chinese adults. *JAMA Network Open*. 2018;1(4):e181271. doi: 10.1001/jamanetworkopen.2018.1271
21. Adegoke O, Ozoh OB, Odeniyi IA, Bello BT, Okubadejo NU. Prevalence of obesity and an interrogation of the correlation between anthropometric indices and blood pressures in urban. *Scientific Report*. 2021;1–12. doi: 10.1038/s41598-021-83055-w
22. Wang Y, Howard AG, Adair LS, Wang H, Avery CL, Gordon-Larsen P. Waist circumference change is associated with blood pressure change independent of BMI change. *Obesity*. 2020;28(1):146–53. doi: 10.1002/oby.22638
23. Chaudhary S, Alam M, Singh S, Deuja S, Karmacharya P, Mondal M. Correlation of blood pressure with body mass index, waist circumference and waist by hip ratio. *Journal of Nepal Health Research Council*.

- 2019;16(41):410–3. doi: 10.33314/jnhrc.v16i41.1560
24. Fu W, Cao S, Liu B, Li H, Song F, Gan Y, et al. Association of general and central adiposity with blood pressure among Chinese adults. *Journal of Hypertension*. 2018;36(12):2406–13. doi: 10.1097/HJH.0000000000001852
 25. Kementerian Kesehatan Republik Indonesia. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 43 Tahun 2019 tentang Pusat Kesehatan Masyarakat*. Kementerian Kesehatan Republik Indonesia; 2019.
 26. Li W, Fang W, Huang Z, Wang X, Cai Z, Chen G, et al. Association between age at onset of overweight and risk of hypertension across adulthood. *Heart*. 2022;108(9):683–8. doi: 10.1136/heartjnl-2021-320278
 27. Sherwood L. Pembuluh darah dan tekanan darah. Dalam: *Fisiologi manusia: dari sistem ke sel*. 9th ed. Jakarta: EGC; 2016.
 28. Sharma S, Hashmi MF, Bhattacharya PT. *Hypotension*. StatPearls. Treasure Island (FL): StatPearls Publishing; 2022. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29763136> [Accessed 17th October 2022]
 29. Silverthorn DU, Johnson BR, Ober WC, Impagliazzo A, Silverthorn AC. Aliran darah dan pengendalian tekanan darah. Dalam: Tanzil A, ed. *Fisiologi manusia: sebuah pendekatan terintegrasi*. 6th ed. Jakarta: EGC; 2014. p. 532–43.
 30. Constanzo LS. Cardiovascular physiology. In: *Physiology*. 6th ed. Philadelphia, PA: Elsevier; 2018. p. 117–87.
 31. Barrett KE, Barman SM, Boitano S, Brooks H. Cardiovascular physiology. In: *Ganong's review of medical physiology*. 25th ed. New York: McGraw-Hill Education; 2016. p. 537–46.
 32. Sherwood L. Sistem Kemih. Dalam: *Fisiologi manusia: dari sistem ke sel*.

9th ed. Jakarta: EGC; 2016.

33. Huang JF, Zhang W, Li Y, Wang JG. Validation of the YuWell YE680B upper-arm blood pressure monitor in adults according to the ANSI/AAMI/ISO 81060-2: 2013 standard. *Blood Pressure Monitoring*. 2019;24(6):315–8. doi: 10.1097/MBP.0000000000000405
34. Wadhvani R, Siddiqui NI, Sharma B. Assessment of accuracy of mercury sphygmomanometer and automated oscillometric device of blood pressure measurement in population of normal individuals. *Asian Journal of Medical Sciences*. 2018;9(5):17–24. doi: 10.3126/ajms.v9i5.20469
35. Kementerian Kesehatan Republik Indonesia. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 41 Tahun 2019 tentang Penghapusan dan Penarikan Alat Kesehatan Bermerkuri di Fasilitas Pelayanan Kesehatan*. Kementerian Kesehatan Republik Indonesia; 2019.
36. World Health Organization. *WHO Technical specifications for automated non-invasive blood pressure measuring devices with cuff*. Geneva, Switzerland: World Health Organization; 2020.
37. Sharman JE, Tan I, Stergiou GS, Lombardi C, Saladini F, Butlin M, et al. Automated ‘oscillometric’ blood pressure measuring devices: how they work and what they measure. *Journal of Human Hypertension*. 2022; doi: 10.1038/s41371-022-00693-x
38. Kallioinen N, Hill A, Horswill MS, Ward HE, Watson MO. Sources of inaccuracy in the measurement of adult patients resting blood pressure in clinical settings. *Journal of Hypertension*. 2017;35(3):421–41. doi: 10.1097/HJH.0000000000001197
39. Emmanuel J. *Guidance on maintaining and calibrating non-mercury clinical thermometers and sphygmomanometers*. UNDP GEF Global Healthcare Waste Project. 2013;1–34. Available from: <https://www.who.int/publications/m/item/new-guidance-on-maintaining->

and-calibrating-non-mercury-clinical-thermometers-and-sphygmomanometers [Accessed 1st September 2022]

40. Lee JH, Kim SH, Kang SH, Cho JH, Cho Y, Oh IY, et al. Blood pressure control and cardiovascular outcomes: real-world implications of the 2017 ACC/AHA hypertension guideline. *Scientific Report*. 2018;8(1):13155. doi: 10.1038/s41598-018-31549-5
41. Bawazier LA, Buntaran S, Sianipar W, Kekalih A. Blood pressure profile of young adults at the faculty of medicine Universitas Indonesia. *Acta Medica Indonesia*. 2019;51(1):54–8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/31073107> [Accessed 10th October 2022]
42. Huether SE, McCance KL. Perubahan fungsi kardiovaskular. Dalam: Brashers VL, ed. *Buku ajar patofisiologi edisi Indonesia keenam oleh Djoko Wahono Soeatmadji, Retty Ratnawati & Hidayat Sujuti*. 6th ed. Singapore: Elsevier Inc; 2019. p. 29–35.
43. Pinckard K, Baskin KK, Stanford KI. Effects of Exercise to Improve Cardiovascular Health. *Frontiers in Cardiovascular Medicine*. 2019;6(June):1–12. doi: 10.3389/fcvm.2019.00069
44. Messner B, Bernhard D. Smoking and cardiovascular disease: Mechanisms of endothelial dysfunction and early atherogenesis. *Arterioscler Thromb Vasc Biol*. 2014;34(3):509–15.
45. Okojie OM, Javed F, Chiwome L, Hamid P. Hypertension and alcohol: a mechanistic approach. *Cureus*. 2020;12(8):1–7. doi: 10.7759/cureus.10086
46. Ranasinghe P, Cooray DN, Jayawardena R, Katulanda P. The influence of family history of hypertension on disease prevalence and associated metabolic risk factors among Sri Lankan adults chronic disease epidemiology. *BMC Public Health*. 2015;15(1):1–9. doi: 10.1186/s12889-015-1927-7

47. McDonald M, Hertz RP, Unger AN, Lustik MB. Prevalence, awareness, and management of hypertension, dyslipidemia, and diabetes among United States adults aged 65 and older. *The Journals of Gerontology: Series A*. 2009;64A(2):256–63. doi: 10.1093/gerona/gln016
48. Jia G, Sowers JR. Hypertension in diabetes: an update of basic mechanisms and clinical disease. *Hypertension*. 2021 Nov;78(5):1197–205. doi: 10.1161/HYPERTENSIONAHA.121.17981
49. Mohani CI. Hipertensi primer. Dalam: Setiati S, Alwi I, Sudoyo AW, K MS, Setiyohadi B, Syam AF, eds. *Buku ajar: ilmu penyakit dalam*. 6th ed. Jakarta: Interna Publishing; 2017. p. 2286–8.
50. Berta E, Lengyel I, Halmi S, Zrínyi M, Erdei A, Harangi M, et al. Hypertension in thyroid disorders. *Frontiers in Endocrinology*. 2019;10:482. doi: 10.3389/fendo.2019.00482
51. Drago J, Williams GH, Lilly LS. Hypertension. In: Lilly LS, ed. *Pathophysiology of heart disease: a collaborative project of medical students and faculty*. 6th ed. Philadelphia: Wolters Kluwer; 2016. p. 318.
52. Bathgate CJ, Edinger JD, Wyatt JK, Krystal AD. Objective but not subjective short sleep duration associated with increased risk for hypertension in individuals with insomnia. *Sleep*. 2016;39(5):1037–45. doi: 10.5665/sleep.5748
53. Perhimpunan Dokter Hipertensi Indonesia. *Konsensus penatalaksanaan hipertensi 2021: update konsensus PERHI 2019*. Perhimpunan Dokter Hipertensi Indonesia. 2021;1–66.
54. Weir CB, Jan A. *BMI classification percentile and cut off points*. StatPearls. StatPearls Publishing; 2019. p. 1–5. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/31082114> [Accessed 13th October 2022]
55. Khanna D, Peltzer C, Kahar P, Parmar MS. Body mass index (BMI): a

- screening tool analysis. *Cureus*. 2022;14(2): e22119. doi: 10.7759/cureus.22119
56. Momin M, Fan F, Li J, Jia J, Zhang L, Zhang Y, et al. Joint effects of body mass index and waist circumference on the incidence of hypertension in a community-based Chinese population. *Obesity Facts*. 2020;13(2):245–55. doi: 10.1159/000506689
57. Ojo A, Huynh A. *Conversion weights*. StatPearls. StatPearls Publishing; 2020. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK557608/> [Accessed 13th October 2022]
58. Yorkin M, Spaccarotella K, Martin-Biggers J, Quick V, Byrd-Bredbenner C. Accuracy and consistency of weights provided by home bathroom scales. *BMC Public Health*. 2013;13(1):1194. doi: 10.1186/1471-2458-13-1194
59. Warriar V, Krishan K, Shedje R, Kanchan T. *Height assessment*. StatPearls. StatPearls Publishing; 2020. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/31855368> [Accessed 13th October 2022]
60. Casadei K, Kiel J. *Anthropometric measurement*. StatPearls. StatPearls Publishing; 2021. Available from: <https://pubmed.ncbi.nlm.nih.gov/30726000/> [Accessed 13th October 2022]
61. Bickley LS, Szilagyι PG. Beginning the physical examination: general survey, vital signs, and pain. In: Hoffman RM, ed. *Bates' guide to physical examination and history taking*. 12th ed. Philadelphia: Wolters Kluwer; 2017. p. 123.
62. World Health Organization. *The Asia-Pacific perspective: redefining obesity and its treatment*. Sydney: Health Communications Australia; 2000. Available from: <https://apps.who.int/iris/handle/10665/206936> [Accessed 1st September 2022]

63. Sigit FS, Tahapary DL, Trompet S, Sartono E, Willems Van Dijk K, Rosendaal FR, et al. The prevalence of metabolic syndrome and its association with body fat distribution in middle-aged individuals from Indonesia and the Netherlands: a cross-sectional analysis of two population-based studies. *Diabetology and Metabolic Syndrome*. 2020;12(1):1–11. doi: 10.1186/s13098-019-0503-1
64. World Health Organization Expert Consultation. Appropriate body mass index for Asian populations and its implications. *Lancet*. 2004;363:157–63. doi: 10.1016/S0140-6736(03)15268-3
65. Pan WH, Yeh WT. How to define obesity? Evidence-based multiple action points for public awareness, screening, and treatment: an extension of Asian-Pacific recommendations. *Asia Pacific Journal of Clinical Nutrition*. 2008;17(3):370–4. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18818155> [Accessed 1st September 2022]
66. Dover AR, Innes JA, Fairhurst K. General aspects of examination. In: Innes JA, Dover AR, Fairhurst K, eds. *Macleod's clinical examination*. 14th ed. Edinburgh: Elsevier; 2018. p. 29.
67. Sugondo S. Obesitas. In: Setiati S, Alwi I, Sudoyo AW, K MS, Setiyohadi B, Syam AF, eds. *Buku ajar: ilmu penyakit dalam*. 6th ed. Jakarta: Interna Publishing; 2017. p. 2561–8.
68. Fang H, Berg E, Cheng X, Shen W. How to best assess abdominal obesity. *Current Opinion in Clinical Nutrition and Metabolic Care*. 2018;21(5):360–5. doi: 10.1097/MCO.0000000000000485
69. World Health Organization. *Waist Circumference and Waist–Hip Ratio*. Report of a WHO Expert Consultation. Geneva, 8-11 December 2008. 2011; Available from: <https://www.who.int/publications/i/item/9789241501491> [Accessed 10th October 2022]

70. Alberti KGMM, Zimmet P, Shaw J. Metabolic syndrome: a new world-wide definition. A Consensus Statement from the International Diabetes Federation. *Diabetic Medicine*. 2006;23(5):469–80. doi: 10.1111/j.1464-5491.2006.01858.x
71. Fenty F, Wijayanti LW, Widayati A. The correlation of obesity index and the level of triglyceride in villagers. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 2018;24(3):244. doi: 10.24293/ijcpml.v24i3.1337
72. Sastroasmoro S, Ismael S. *Dasar-dasar metodologi penelitian klinis*. 5th ed. Vol. 5. Jakarta: Sagung Seto; 2016.
73. Ghosh-Dastidar M, Nicosia N, Datar A. A novel approach to anthropometric assessment for geographically dispersed samples: a pilot study. *Preventive Medicine Reports*. 2020;19:101125. doi: 10.1016/j.pmedr.2020.101125
74. Dahlan MS. *Statistik Untuk Kedokteran dan Kesehatan*. 6th ed. Jakarta: Salemba Medika; 2014.
75. Brahmabhatt Y, Gupta M, Hamrahian S. Hypertension in premenopausal and postmenopausal women. *Current Hypertension Reports*. 2019;21(10):1–10.
76. Dewi DAHK, Widyantini DN. Analisis faktor risiko kejadian hipertensi pada masyarakat usia produktif (15-64 tahun) di wilayah kerja Puskesmas Ubud I. *Archive Community Health*. 2022;9(2):23–250.
77. Rahmadhani M. Faktor-faktor yang mempengaruhi terjadinya hipertensi pada masyarakat di Kampung Bedagai Kota Pinang. *Jurnal Kedokteran STM (Sains Dan Teknologi Medik)*. 2021;4(1):52–62.
78. Adeke AS, Chori BS, Neupane D, Sharman JE, Odili AN. Socio-demographic and lifestyle factors associated with hypertension in Nigeria: results from a country-wide survey. *Journal of Human Hypertension*. 2022;

doi: 10.1038/s41371-022-00673-1

79. NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128·9 million children, adolescents, and adults. *Lancet*. 2017;390(10113):2627–42. doi: 10.1016/S0140-6736(17)32129-3
80. Budi Mulia EP, Fauzia KA, Atika A. Abdominal obesity is associated with physical activity index in Indonesian middle-aged adult rural population: a cross-sectional study. *Indian Journal Community Medicine*. 2021;46(2):317–20. doi: 10.4103/ijcm.IJCM_947_20
81. Khalid F, Siddique A, Siddiqui JA, Panhwar G, Singh S, Anwar A, et al. Correlation between body mass index and blood pressure levels among hypertensive patients: a gender-based comparison. *Cureus*. 2020;12(10):e10974. doi: 10.7759/cureus.10974

