

## BAB VII

### TINJAUAN PUSTAKA

1. Abdominal obesity and your health - Harvard Health [Internet]. [Cited 2017 Nov 11]. Available from: <https://www.health.harvard.edu/staying-healthy/abdominal-obesity-and-your-health>
2. Palupi, Masajeng P. Faktor Risiko Obesitas Sentral Pada Orang Dewasa di Indonesia. IPB Repository MT-Human Ecology. 2017 Mei.
3. Shen W, Punyanitya M, Chen J, Gallagher D, Albu J, Pi-Sunyer X, et al. Waist Circumference Correlates with Metabolic Syndrome Indicators Better Than Percentage Fat. *Obesity*. 2006 Apr;14(4):727–36.
4. Yun JE, Kimm H, Choi YJ, Jee SH, Huh KB. Smoking is associated with abdominal obesity, not overall obesity, in men with type 2 diabetes. *J Prev Med Public Health*. Korean Society for Preventive Medicine; 2012 Sep;45(5):316–22.
5. Lee C-D, Jacobs DR, Schreiner PJ, Iribarren C, Hankinson A. Abdominal obesity and coronary artery calcification in young adults: the Coronary Artery Risk Development in Young Adults (CARDIA) Study. *Am J Clin Nutr*. 2007 Jul;86(1):48–54.
6. Canoy D, Wareham N, Luben R, Welch A, Bingham S, Day N, et al. Cigarette Smoking and Fat Distribution in 21, 828 British Men and Women: A Population-based Study. *Obes Res*. Wiley Online Library; 2005;13(8):1466–75.
7. WHO | WHO report on the global tobacco epidemic 2008. WHO [Internet]. World Health Organization; 2017 [cited 2017 Nov 11].
8. CDC. Indonesia 2011 Fact Sheet. 2011 [cited 2017 Nov 20]; Available from: [http://www.who.int/tobacco/surveillance/survey/gats/indonesia\\_factsheet\\_8\\_february\\_2012.pdf](http://www.who.int/tobacco/surveillance/survey/gats/indonesia_factsheet_8_february_2012.pdf)
9. Dare S, Mackay DF, Pell JP. Relationship between smoking and obesity: a cross-sectional study of 499,504 middle-aged adults in the UK general population. *PLoS One*. Public Library of Science; 2015;10(4):e0123579.
10. de Oliveira Fontes Gasperin L, Neuberger M, Tichy A, Moshhammer H. Cross-sectional association between cigarette smoking and abdominal obesity among Austrian bank employees. *BMJ Open*. BMJ Publishing Group; 2014 Jul 29.
11. Audrain-McGovern J, Benowitz NL. Cigarette smoking, nicotine, and body weight. *Clin Pharmacol Ther*. NIH Public Access; 2011 Jul;90(1):164–8.
12. Akbartabartoori M, Lean MEJ, Hankey CR. Relationships between cigarette smoking, body size and body shape. *Int J Obes*. Nature Publishing Group; 2005 Feb 26.
13. Westphal SA. Obesity, Abdominal Obesity, and Insulin Resistance. *Clin Cornerstone*. Excerpta Medica; 2008 Jan 1.

14. Chiolero A, Faeh D, Paccaud F, Cornuz J. Consequences of smoking for body weight, body fat distribution, and insulin resistance. *Am J Clin Nutr.* American Society for Nutrition; 2008 Apr 1.
15. Alberti KGMM, Zimmet P, Shaw J. Metabolic syndrome-a new world-wide definition. A Consensus Statement from the International Diabetes Federation. *Diabet Med.* 2006 May;23(5):469–80.
16. Pampel FC, Denney JT, Krueger PM. Obesity, SES, and economic development: a test of the reversal hypothesis. *Soc Sci Med.* 2012 Apr;74(7):1073–81.
17. The Toll of Tobacco in Indonesia - Campaign for Tobacco-Free Kids [Internet]. [cited 2017 Nov 20].
18. Yuningtyaswari, Ismadi PDHM. Pengaruh asap berbagai jenis rokok terhadap peroksidasi lipid plasma tikus putih (*Rattus norvegicus*, L). 2001.
19. John U, Hanke M, Rumpf H-J, Thyrian JR. Smoking status, cigarettes per day and their relationship to overweight and obesity among former and current smokers in a national adult general population sample. *Int J Obes.* 2005 Oct 5; 29(10):1289–94.
20. Griesemer RL. Index of Central Obesity as a Parameter to Evaluate Metabolic Syndrome for White, Black, and Hispanic Adults in the United States. *Public Heal Theses Sch Public Heal.* 2008;7.
21. Primates P, Falaschetti E, Gupta S, Marmot MG, Poulter NR. Association between smoking and blood pressure: evidence from the health survey for England. *Hypertens (Dallas, Tex 1979).* 2001 Feb;37(2):187–93.
22. Miyatake N, Wada J, Kawasaki Y, Nishii K, Makino H, Numata T. Relationship between metabolic syndrome and cigarette smoking in the Japanese population. *Intern Med.* 2006;45(18):1039–43.
23. Sitepoe M. Kekhususan rokok Indonesia : mempermasalahkan PP no. 81 tahun 1999 tentang pengamanan rokok bagi kesehatan. *Gramedia Widiasarana Indonesia;* 2000; 154 p.
24. The Health Consequences of Smoking: what it means to you. U.S. Department of Health and Human Services, Centres for Disease Control and Prevention, National Centre for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health; 2004.
25. Brunner EJ, Chandola T, Marmot MG. Prospective Effect of Job Strain on General and Central Obesity in the Whitehall II Study. *Am J Epidemiol.* 2007 Feb;165(7):828–37.
26. Anjana M, Sandeep S, Deepa R, Vimalaswaran KS, Farooq S, Mohan V. Visceral and central abdominal fat and anthropometry in relation to diabetes in Asian Indians. *Diabetes Care.* 2004 Dec 1;27(12):2948–53.
27. Vague J. Sexual differentiation. A determinant factor of the forms of obesity. 1947. *Obes Res.* 1996 Mar;4(2):201–3.
28. Després JP, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Bouchard C. Regional distribution of body fat, plasma lipoproteins, and cardiovascular disease. *Arteriosclerosis;*10(4):497–511.

29. Pouliot MC, Després JP, Lemieux S, Moorjani S, Bouchard C, Tremblay A, et al. Waist circumference and abdominal sagittal diameter: best simple anthropometric indexes of abdominal visceral adipose tissue accumulation and related cardiovascular risk in men and women. *Am J Cardiol.* 1994 Mar 1;73(7):460–8.
30. WHO Expert Consultation. Appropriate body-mass index for Asian populations and its implications for policy and intervention strategies. *Lancet* . 2004 Jan 10;363(9403):157–63. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/14726171>
31. Cameron AJ, Zimmet PZ. Expanding evidence for the multiple dangers of epidemic abdominal obesity. *Circulation.* 2008 Apr;117(13):1624–6.
32. Grundy SM, Brewer HB, Cleeman JI, Smith SC, Lenfant C. Definition of Metabolic Syndrome Report of the National Heart, Lung, and Blood Institute/American Heart Association Conference on Scientific Issues Related to Definition Clinical Outcomes of Metabolic Syndrome.
33. Després J-P, Lemieux I. Abdominal obesity and metabolic syndrome. *Nature.*2006 Dec 14;444(7121):881–7.
34. Juhan-Vague I, Alessi MC. PAI-1, obesity, insulin resistance and risk of cardiovascular events. *Thromb Haemost.* 1997;78:656-660
35. Lemieux I, Pascot A, Prud'homme D, Alméras N, Bogaty P, Nadeau A, et al. Elevated C-reactive protein: another component of the atherothrombotic profile of abdominal obesity. *Arterioscler Thromb Vasc Biol.* 2001;21:961-967
36. Boyko EJ, Fujimoto WY, Leonetti DL, Newell-Morris L. Visceral adiposity and risk of type 2 diabetes: a prospective study among Japanese Americans. *Diabetes Care.* 2000;23:465-471
37. Kuk JL, Katzmarzyk PT, Nichaman MZ, Church TS, Blair SN, Ross R. Visceral fat is an independent predictor of all- cause mortality in men. *Obes Res.* 2006;14:336-341
38. Drapeau V, Després J-P, Bouchard C, Allard L, Fournier G, Leblanc C, et al. Modifications in food-group consumption are related to long-term body-weight changes. *Am J Clin Nutr.*2004 Jul;80(1):29–37.
39. Pouliot MC, Després JP, Lemieux S, Moorjani S, Bouchard C, Tremblay A, et al. Waist circumference and abdominal sagittal diameter: best simple anthropometric indexes of abdominal visceral adipose tissue accumulation and related cardiovascular risk in men and women. *Am J Cardiol.* 1994;73:460-468
40. Besson H, Ekelund U, Luan J, May AM, Sharp S, Travier N, et al. A cross-sectional analysis of physical activity and obesity indicators in European participants of the EPIC-PANACEA study. *Int J Obes.* 2009 Apr 17; 33(4):497–506.
41. Garaulet M, Pérez-Llamas F, Canteras M, Tebar F, Zamora S. Endocrine, metabolic and nutritional factors in obesity and their relative significance as studied by factor analysis. *Int J Obes.* 2001 Feb 25;25(2):243–51.

42. Martins IS, Marinho SP. The potential of central obesity anthropometric indicators as diagnostic tools. *Rev Saude Publica*. 2003 Dec;37(6):760–7.
43. Lemieux S, Prud'homme D, Bouchard C, Tremblay A, Després JP. Sex differences in the relation of visceral adipose tissue accumulation to total body fatness. *Am J Clin Nutr*. 1993 Oct;58(4):463–7.
44. Seidell JC, Björntorp P, Sjöström L, Kvist H, Sannerstedt R. Visceral fat accumulation in men is positively associated with insulin, glucose, and C-peptide levels, but negatively with testosterone levels. *Metab - Clin Exp*. 1990 Sep 1.39(9):897–901.
45. Abdominal fat and what to do about it - Harvard Health [Internet]. [cited 2017 Nov 21]. Available from: <https://www.health.harvard.edu/newsweek/Abdominal-fat-and-what-to-do-about-it.htm>
46. Andersen BL, LeGrand J. Body image for women: Conceptualization, assessment, and a test of its importance to sexual dysfunction and medical illness. *J Sex Res*. 1991 Aug;28(3):457–78.
47. Demerath EW, Schubert CM, Maynard LM, Sun SS, Chumlea WC, Pickoff A, et al. Do Changes in Body Mass Index Percentile Reflect Changes in Body Composition in Children? Data From the Fels Longitudinal Study. *Pediatrics*. 2006 Mar 1;117(3):e487–95.
48. Cashdan E. Waist-to-Hip Ratio across Cultures: Trade-Offs between Androgen- and Estrogen-Dependent Traits. *Curr Anthropol*. 2008 Dec 17;49(6):1099–107.
49. Wang H, Wang J, Liu M-M, Wang D, Liu Y-Q, Zhao Y, et al. Epidemiology of general obesity, abdominal obesity and related risk factors in urban adults from 33 communities of northeast china: the CHPSNE study. *BMC Public Health*. 2012 Dec 12; 2(1):967.
50. Measuring Physical Activity | The Nutrition Source | Harvard T.H. Chan School of Public Health [Internet]. [cited 2017 Nov 21]. Available from: <https://www.hsph.harvard.edu/nutritionsource/mets-activity-table/>
51. IPAQ scoring protocol - International Physical Activity Questionnaire [Internet]. [cited 2017 Nov 12]. Available from: <https://sites.google.com/site/theipaq/scoring-protocol>
52. Frappier J, Toupin I, Levy JJ, Aubertin-Leheudre M, Karelis AD. Energy Expenditure during Sexual Activity in Young Healthy Couples. Earnest CP, editor. *PLoS One*. 2013 Oct 24;8(10):e79342.
53. Jakicic JM, Otto AD. Physical activity considerations for the treatment and prevention of obesity. *Am J Clin Nutr*. 2005 Jul 1;82(1 Suppl):226S–229S.
54. Hunter GR, Brock DW, Byrne NM, Chandler-Laney PC, Del Corral P, Gower BA. Exercise Training Prevents Regain of Visceral Fat for 1 Year Following Weight Loss. *Obesity [Internet]*. 2010 Apr 8;18(4):690–5.
55. "WHO: Obesity and overweight" World Health Organization. *Archived from the original on December 18, 2008*. Retrieved January 10, 2009.

56. Janghorbani M, Amini M, Willett WC, Mehdi Gouya M, Delavari A, Alikhani S, et al. First Nationwide Survey of Prevalence of Overweight, Underweight, and Abdominal Obesity in Iranian Adults. *Obesity*. 2007 Nov 1;15(11):2797–808.
57. Cleland VJ, Schmidt MD, Dwyer T, Venn AJ. Television viewing and abdominal obesity in young adults: is the association mediated by food and beverage consumption during viewing time or reduced leisure-time physical activity? *Am J Clin Nutr*. 2008 May;87(5):1148–55.
58. WHO | 3. Global and regional food consumption patterns and trends. WHO [Internet]. 2008 [cited 2017 Nov 21]; Available from: [http://www.who.int/nutrition/topics/3\\_foodconsumption/en/](http://www.who.int/nutrition/topics/3_foodconsumption/en/)
59. Olsen NJ, Heitmann BL. Intake of calorically sweetened beverages and obesity. *Obes Rev* [Internet]. 2009 Jan 1;10(1):68–75.
60. Stanhope KL, Havel PJ. Fructose consumption: considerations for future research on its effects on adipose distribution, lipid metabolism, and insulin sensitivity in humans. *J Nutr*. 2009;139(6):1236S–1241S.
61. Caballero B. The Global Epidemic of Obesity: An Overview. *Epidemiol Rev*. 2007 May 2;29(1):1–5.
62. Nestel P. Trans Fatty Acids: Are Its Cardiovascular Risks Fully Appreciated. *Clin Ther* [Internet]. 2014 Mar 1;36(3):315–21.
63. Lopez-Garcia E, Schulze MB, Meigs JB, Manson JE, Rifai N, Stampfer MJ, et al. Consumption of trans fatty acids is related to plasma biomarkers of inflammation and endothelial dysfunction. *J Nut*. 2005 Mar 1;135(3):562–6.
64. McKeown NM, Troy LM, Jacques PF, Hoffmann U, O'Donnell CJ, Fox CS. Whole- and refined-grain intakes are differentially associated with abdominal visceral and subcutaneous adiposity in healthy adults: the Framingham Heart Study. *Am J Clin Nutr*. 2010 Nov 1;92(5):1165–71.
65. Suter PM, Tremblay A. IS ALCOHOL CONSUMPTION A RISK FACTOR FOR WEIGHT GAIN AND OBESITY? *Crit Rev Clin Lab Sci*. 2005 Jan 10;42(3):197–227.
66. Dorn JM, Hovey K, Muti P, Freudenheim JL, Russell M, Nochajski TH, et al. Alcohol drinking patterns differentially affect central adiposity as measured by abdominal height in women and men. *J Nutr*. 2003 Aug;133(8):2655–62.
67. Fred C. Pampel, Justin T. Denney, and Patrick M. Krueger, "Obesity, SES, and Economic Development: A Test of the Reversal Hypothesis," *Social Science and Medicine* 74, no. 7 (2012): 1073-81.
68. Dinsa GD, Goryakin Y, Fumagalli E, Suhrcke M. Obesity and socioeconomic status in developing countries: a systematic review. *Obes Rev*. 2012 Nov;13(11):1067–79.
69. Paredes S, Ribeiro L, Paredes S, Ribeiro L. Cortisol: the villain in Metabolic Syndrome? *Rev Assoc Med Bras. Associação Médica Brasileira*; 2014;60(1):84–92.

70. Bose M, Oliván B, Laferrère B. Stress and obesity: the role of the hypothalamic-pituitary-adrenal axis in metabolic disease. *Curr Opin Endocrinol Diabetes Obes.* 2009 Oct;16(5):340–6.
71. Kuo LE, Kitlinska JB, Tilan JU, Li L, Baker SB, Johnson MD, et al. Neuropeptide Y acts directly in the periphery on fat tissue and mediates stress-induced obesity and metabolic syndrome. *Nat Med.* 2007 Jul 1;13(7):803–11.
72. Jee SH, Lee SY, Nam CM, Kim SY, Kim MT. Effect of smoking on the paradox of high waist-to-hip ratio and low body mass index. *Obes Res* 2002;10(9):891–5.
73. Haarbo J, Marslew U, Gotfredsen A, Christiansen C. Postmenopausal hormone replacement therapy prevents central distribution of body fat after menopause. *Metabolism* 1991;40:1323–6.
74. Bjorntorp P. Abdominal obesity and the development of noninsulin-dependent diabetes mellitus. *Diabetes Metab Rev* 1988;4:615–22.
75. Meikle AW, Liu XH, Taylor GN, Stringham JD. Nicotine and cotinine effects on 3 alpha hydroxysteroid dehydrogenase in canine prostate. *Life Sci* 1988;43:1845–50.
76. Mittler JC, Pogach L, Ertel NH. Effects of chronic smoking on testosterone metabolism in dogs. *J Steroid Biochem* 1983;18:759–63.
77. Eliasson B, Attvall S, Taskinen MR, Smith U. The insulin resistance syndrome in smokers is related to smoking habits. *Arterioscler Thromb* 1994;14(12):1946–50.
78. Ronnema T, Ronnema EM, Puukka P, Pyorala K, Laakso M. Smoking is independently associated with high plasma insulin levels in nondiabetic men. *Diabetes Care* 1996;19(11):1229–32
79. Clair C, Chioloro A, Faeh D, Cornuz J, Marques-Vidal P, Paccaud F, et al. Dose-dependent positive association between cigarette smoking, abdominal obesity and body fat: cross-sectional data from a population-based survey. *BMC Public Health* [Internet]. BioMed Central; 2011 Dec;11(1):23.
80. Definition of AGE [Internet]. Merriam-webster.com. 2017 [cited 12 November 2017]. Available from: <https://www.merriam-webster.com/dictionary/age>
81. NHIS - Adult Tobacco Use - Glossary [Internet]. Cdc.gov. 2017 [cited 12 November 2017]. Available from: [https://www.cdc.gov/nchs/nhis/tobacco/tobacco\\_glossary.htm](https://www.cdc.gov/nchs/nhis/tobacco/tobacco_glossary.htm)
82. The world health organization monica project (monitoring trends and determinants in cardiovascular disease): A major international collaboration. *J Clin Epidemiol.* Pergamon; 1988 Jan 1;41(2):105–14.
83. Marston L, Carpenter JR, Walters KR, Morris RW, Nazareth I, White IR, et al. Smoker, ex-smoker or non-smoker? The validity of routinely recorded smoking status in UK primary care: a cross-sectional study. *BMJ Open.* British Medical Journal Publishing Group; 2014 Apr 23;4(4):e004958.
84. Bush K, Kivlahan DR, McDonnell MB, Fihn SD, Bradley KA. The AUDIT Alcohol Consumption Questions (AUDIT-C) <sub>title</sub>An Effective

- Brief Screening Test for Problem Drinking</p></div>
<div>61