

DAFTAR PUSTAKA

- Ali, M. dan Asrori, M. 2006. *Psikologi Remaja: Perkembangan Peserta Didik* Jakarta: Bumi Aksara.
- Amelia, W.R. 2009. *Hubungan Antara Indeks Massa Tubuh dan Faktor-faktor Lain dengan Status Lemak Tubuh pada Pramusaji di pelayanan Gizi Unit Rawat Inap Terpadu A RSUPN Dr. Cipto Mangunkusumo Jakarta (Skripsi)*. Jakarta: Fakultas Kesehatan Masyarakat Universitas Indonesia.
- American College of Sports Medicine. 2009. *Acsm's guidelines for exercise testing and prescription*, (Vol. 8th). Philadelphia, PA: Lippincott Williams & Wilkins.
- Angyan, L., Taczely, T., Mezey, B., and Lelovics, Z. 2003. Selected Physical Characteristics of Medical Students. *Medical Education Online*, 8(0).
- Ashrafi, K. 2007. *Obesity and the Regulation of Fat Metabolism*. The C. elegans Research Community, hal. 2.
- Autar, S., Kang, S., Spring, D. 2011. The Effects of Body Mass Index on Heart Rate Recovery. *European Journal of Applied Physiology* 102 : 194-199.
- Barak, O.F., Ovcin, Z.B., Jakovljevic, D.G., Lozanov-Crvenkovic, Z., Brodie, D.A., *et al.* 2011. Heart Rate Recovery After Submaximal Exercise In Four Different Recovery Protocols In Male Athletes and Non-Athletes. *Journal of Sports Science and Medicine* 10 : 369-370.
- Barbosa, L.T., Valente, L.M., Sobral, F.D., Barbosa, S.O. 2015. Relation between heart rate recovery after exercise testing and body mass index. *The Journals of Revista Portuguesa de Cardiologia* 34 : 27 - 33.
- Baum, P., Petroff, D., Classen, J., Kiess, W., Blüher, S. 2013. Dysfunction of autonomic nervous system in childhood obesity: a cross-sectional study. *PLOS ONE* 8: e54546. doi:10.1371/journal.pone.0054546.PubMed: 23358101.
- Bonen, A., and Belcastro, A.N. 1978. Comparison of Self-Selected Recovery Methods on Lactic Acid Removal Rates. *Medicine Science Sports* 8: 176–178.
- Boreham, C., Richard, B., Roslyn, C., Nicholas, D., Alison, M., *et al.* 2006. *The Physiology of Training*. United Kingdom : Elsevier Limited.
- Borresen, J., Lambert, M. 2007. Changes in heart rate recovery in response to acute changes in training load. *European Journal of Applied Physiology*. 101: 503–511. PubMed doi:10.1007/s00421- 007-0516-6.

- Borresen, J, Lambert, M. 2008. Autonomic control of heart rate during and after exercise: measurements and implications for monitoring training status. *Sports Medicine*. 38 : 633– 646. *PubMed* doi:10.2165/00007256-200838080-00002.
- Bray, G.A., 2012. Medical Consequences of Obesity. *Journal of Clinical Endocrinology and Metabolism* 89 (6) : 2583-2589.
- Brinkworth, G.D., Noakes, M., Buckley, J.D., Clifton, P.M. 2006. Weight loss improves heart rate recovery in overweight and obese men with features of the metabolic syndrome. *American Heart Journal* 152(4):693 el-693 e6.
- Buchheit, M., Papelier, Y., Laursen, P.B., Ahmaidi, S. 2007. Noninvasive assessment of cardiac parasympathetic function: postexercise heart rate recovery or heart rate variability?. *American Journal of Physiology, Heart and Circulatory Physiology* 293: H8-10. doi:10.1152/ajpheart.00335. *PubMed*: 17384128.
- Bungmark, W., Kulaputana, O., dan Chaiwatcharaporn, C. 2015. An Innovative Step Test Protocol Can Accurately Assess VO2 Max in Athletes. *Journal of Exercise Physiology*. 18 Number 3.
- Bustan, M.N. 2013. *Manfaat Olahraga Bagi Perokok dan Risiko Rokok Bagi Pengolahraga*. Makassar : Fakultas Ilmu Keolahragaan Universitas Negeri Makassar.
- Campos, EZ., Bastos, FN., Papoti, M., Junior, IFF., Gobatto, CA., Junior, PB. 2012. The Effects of Physical Fitness and Body Composition on Oxygen Consumption and Heart Rate Recovery After High-Intensity Exercise. *International Journal of Sports Medicine*.
- Carter, R.-III., Watenpaugh, D.E., Wasmund, W.E., Wasmund, S.L. and Smith, M.L. 1999. Muscle pump and central command during recovery from exercise. *Journal of Applied Physiology* 87, 1463-1468.
- Centre for Obesity Research and Education. 2007. *Body Mass Index : BMI Calculator*. Melbourne : Monash University.
- Centre for Obesity Research and Education. 2012. “Indeks Massa Tubuh: IMT Calculator”. Available at: <http://www.core.monash.org/IMT.html> (Diakses 6 November 2015).
- Centers for Disease Control and Prevention (CDC). 2011. *BMI information and calculations for adults, teens, and children : Body mass index*. Available at : <http://www.cdc.gov/healthyweight/assessing/bmi> (Diakses 6 November 2015).

- Cole, C.R., Foody, J.M., Blackstone, E.H., Lauer, M.S. 2000. Heart rate recovery after submaximal exercise testing as a predictor of mortality in a cardiovascularly healthy cohort. *Annals of Internal Medicine* 132:552-555.
- Cugnetto, M.L., Saab, P.G., Llabre, M.M., Goldberg, R., McCalla, J.R., *et al.* 2013. Lifestyle Factors, Indeks Massa Tubuh, and Lipid Profile in Adolescents. *Journal of Pediatric Psychology* 33 (7):761-771.
- Danardono, H. 2013. *Perbedaan Pengaruh Jenis Recovery Aktif, Corstability, dan Pasif, Sesudah Latihan Maksimum Terhadap Penurunan Kadar Asam Laktat Ditinjau dari Indeks Massa Tubuh (Tesis)*. Program Pasca Sarjana Universitas Sebelas Maret.
- Departemen Gizi dan Kesehatan Masyarakat FKM UI. 2007. *Gizi dan Kesehatan Masyarakat*. Jakarta : Raja Grafindo Persada.
- Diaz, L.A., Brunken, R.C., Blackstone, E.H., Snader, C.E., Lauer, M.S. 2001. Independent contribution of myocardial perfusion defects to exercise capacity and heart rate recovery for prediction of allcause mortality in patients with known or suspected coronary heart disease. *Journal of the American College of Cardiology* 37:1558–1564.
- Dimkpa, U. 2009. Post-exercise heart rate recovery: an index of cardiovascular fitness. *Journal of Exercise Physiology Online* 12: 19-22.
- Dimkpa, U., Oji, J. 2010. Assocoation of Heart Rate Recovery After Exercise with Indices of Obesity in Healthy, Non Obese Adults. *European Journal of Applied Physiology* 108 : 695-699.
- Du, N., Bai, S., Oguri K., Kato, Y., Matsumoto, I., *et al.* 2005. Heart rate recovery after exercise and neural regulation of heart rate variability in 30-40 year old female marathon runners. *Journal of Sports Science Medicine*; 4:9-17.
- Flier, J.S & Flier, E.M., 2005. Obesity. In: Kasper, D.L., Fauci, A.S., Longo, D.L., Braunwald, E., Hauser, S.L., & Jameson, J. L. *Harrison's Principle of Internal Medicine*. New York : McGraw-Hill, 422 - 427.
- Fox, K., Borer, J.S., Camm, A.J., Danchin, N., Ferrari, R., Lopez, S.J.L., *et al.* 2007. Resting heart rate in cardiovascular disease. *J Am Coll Cardiol* 2007;50:823–830.
- Froelicher, V.F., Myers, J. 2006. *Exercise and the Heart .5th ed.* Saunders Elsevier.
- Ghaffari, S., Kazemi, B., Aliakbarzadeh, P. 2011. Abnormal Heart Rate Recovery After Exercise Predicts Coronary Artery Disease Severity. *Cardiology Journals*; 18, 1 : 47–54

- Gibson, R.S. 2010. Principle of nutritional assesment. *Oxford University Press*. New York : 251-252.
- Grummer, L.M. 2009. *American Journal of Clinical Nutrition*. Dalam : Centers of Disease Control and Prevention. *Assessing Your Weight : About IMT for adolescents*.
- Guyton, A.C. dan Hall, J.E. 2006. *Buku Ajar Fisiologi Kedokteran*. Jakarta: EGC.
- Hainsworth, R. 2000. Heart rate and orthostatic stress. *Clinical Autonomic Research* 10, 323-325
- Hanifah, R.A., Mohamed M., Jaafar Z., Abdul, M.N., Jalaludin M.Y., *et al*. 2013. The Correlates of Body Composition with Heart Rate Recovery after Step Test: An Exploratory Study of Malaysian Adolescents. *PLoS ONE* 8(12): e82893. doi:10.1371/journal.pone.0082893.
- Haskell, W, Franklin, B.A. 2009. *ACSM's Guidelines for Exercise Testing Prescription. 8th edition. American College of Sport Medicine*. Philadelphia : Lippincot Williams dan Wilkins.
- Indriarti, E. 2010. *Antropometri untuk Kedokteran, Keperawatan, Gizi dan Olahraga*. Klaten : PT. Intan Sejati.
- Karakaya. 2007. Accute effect on Cigarette Smooking on Heart Rate Variability. Available at : <http://ang.sageup.com/content/58/5/620> (Diakses 6 November 2015).
- Kurniawan, I.W. 2006. *Antropometri*. Yogyakarta: Skill Labolatory Team Fakultas Kedokteran UGM.
- Laguna, M., Aznar, S., Lara, M.T., Lucía, A., Ruiz, J.R. 2013. Heart rate recovery is associated with obesity traits and related cardiometabolic risk factors in children and adolescents. *Nutritiom, Metabolism and Cardiovascular Diseases* 23:995-1001. doi:10.1016/j.numecd.2012.10.002. PubMed: 23211756.
- Lauer, P., Sergej, M., Calleja, G. 2009. Recovery Heart Rate. *Journal of Physiology* 54 : 105-110.
- Lavie, C.J, Milani, R.V., Ventura, H.O. 2013. Obesity and cardiovascular disease: risk factor, paradox, and impact of weight loss. *Journal of the American College of Cardiology* ; 53:1925-1932.
- Lin, L.Y., Kuo, H.K., Lai, L.P., Lin, J.L., Tseng, C.D., *et al*. 2008. Inverse correlation between heart rate recovery and metabolic risks in healthy children and adolescents: insight from the National Health and Nutrition Examination Survey 1999-2002. *Diabetes Care* 31: 1015-1020. doi: 10.2337/dc07-2299. PubMed: 18268066.

- Lipinski, M.J., Vetrovec, G.W., Froelicher, V.F. 2004. Importance of The First Two Minutes of Heart Rate Recovery After Exercise Treadmill Testing In Predicting Mortality and The Presence of Coronary Artery Disease In Men. *American Journal of Cardiology*; 93: 445-449.
- Litbang Kementerian Kesehatan RI. 2013. *Riset Kesehatan Dasar (Riskesdas) 2013*. Kementerian Kesehatan Republik Indonesia.
- Mahon, A.D., Anderson, C.S., Hipp, M.J., Hunt, K.A. 2003. Heart rate recovery from submaximal exercise in boys and girls. *Med Sci Sports Exerc* 35: 2093-2097.doi:10.1249/01.MSS.0000099180.80952.83.
- McDonald, K.G., Grote, S., Shoepe, T.C. 2014. Effect of Training Mode on Post-Exercise Heart Rate Recovery Trained Cyclists. *Journal of Human Kinetics volume 41*, 43-49.
- Mokha, J.S., Srinivasan S.R., Dasmahapatra P., Fernandez C., Chen W., *et al.* 2010. Utility of waist-to-height ratio in assessing the status of central obesity and related cardiometabolic risk profile among normal weight and overweight/obese children: the Bogalusa Heart Study. *BMC Pediatric* 10: 73. *PubMed*: 20937123.
- Murbawani, E.A., Niken P., Yudomurti. 2012. Tinggi Badan yang Diukur dan Berdasarkan Tinggi Lutut Menggunakan Rumus Chumlea pada Lansia. *Media Medika Indonesia*.
- Nagashima, J., Naoki, M., Akihiko, T., Haruki, M., Kaori, C., *et al.* Dynamic Component of Sports is an Important Determinant Factor of Heart Rate Recovery. *Journal of Cardiology* 58 : 191-196.
- Olga, V., Shcheslavskaya, P.D., Mattew, M., Burg, P.D., Paula, S., *et al.* 2010. Heart Rate Recovery After Cognitive Challenge Is Preserved With Age. *American Psychosomatic Society*, 72:128 –138.
- Pakpahan, H.A., Andria, P., Adnil, B., Basuni, R. 2007. Factors Affect Heart Rate Recovery After Symptom-Limited Exercise Stress Testing. *Jurnal Kardiologi Indonesia* ; 28:338-342.
- Panzer, C., Lauer, M.S., Brieke, A., Blackstone, E., Hoogwerf, B. 2002. Association of fasting plasma glucose with heart rate recovery in healthy adults: a population based study. *Diabetes*; 51: 803-807.
- Papathanasiou, G., Georgakopoulos, D., Papageorgiou, E., Zerva, E., Michalis, L., *et al.* 2013. Effects of Smoking on Heart Rate at Rest and During Exercise, and on Heart Rate Recovery, in Young Adults. *Hellenic Journal Cardiology*: 54: 168- 177.

- Parizkova, J., Chin, M.K., Chia, M., Yang, J., Ying, M. 2012. An international perspective on obesity, health, and physical activity: current trends and challenges in China and Asia. *Journal of Exercise Science and Fitness* ;5(1):7-23.
- Po-Hsun, H., Hsin-Bang, L., Jaw-Web, C., Shing-Jong, L. 2005. Heart Rate Recovery After Exercise and Endothelial Function-Two Important Factors to Predict Cardiovascular Events. *Preventive Cardiology*; 8: 167-170.
- Powers, S.K., Howley, E.T., 2007. *Exercise Physiology*. New York : McGraw Hill.
- Prado, D.M., Silva, A.G., Trombetta, I.C., Ribeiro, M.M., Guazzelli, I.C., *et al.* 2010. Exercise training associated with diet improves heart rate recovery and cardiac autonomic nervous system activity in obese children. *International Journal of Sports Medicine* 31: 860-865. doi:10.1055/s-0030-1267158.PubMed: 21072735.
- Pudjiadi, A. 2010. *Pedoman Pelayanan Medis Ikatan Dokter Anak Indonesia Jilid I*. Jakarta: Pengurus Pusat Ikatan Dokter Anak Indonesia.
- Rahman, I. 2014. *Perbedaan Respon Denyut Nadi Pada Perokok dan Bukan Perokok Terhadap Aktivitas Lari 100 Meter (Skripsi)*. Surakarta: Fakultas Ilmu Kesehatan Universitas Muhammadiyah Surakarta
- Rowell, L.B. 1993. *Reflex control during orthostasis*. In: *Human cardiovascular control*. New York : Oxford University Press. 37-80
- Rusip, G., 2006. *A Comparative Study on the Physical Fitness level Using the Harvard, Sharkey, and Kasch step test*. *Majalah Kedokteran Nusantara*, 39(3): 151-154.
- Rustagi, N., Taneja, D., Mishra, P., and Ingle, G. 2011. Cardiovascular risk behavior among students of a Medical College in Delhi. *Indian Journal of Community Medicine*, 36(1), 51.
- Salameh, A., Gebauer, R.A., Grollmuss, O., Vit, P., Reich, O., *et al.* 2008. Normal limits for heart rate as established using 24-hour ambulatory electrocardiography in children and adolescents. *Cardiology In The Young*. Vol. 18: p. 467-472.
- Sastroasmoro, S., Ismael, S. 2014. *Dasar-Dasar Metodologi Penelitian Klinis Edisi ke-5*. Jakarta: Sagung Seto.
- Sherwood, L. 2012. *Fundamentals of Human Physiology*. Belmont, CA: Brooks/Cole Cengage Learning.

- Singh, T.P., Rhodes, J., Gauvreau, K. 2008. Determinants of heart rate recovery following exercise in children. *Medicine and Science in Sports and Exercise* 40: 601-605. doi:10.1249/MSS.0b013e3181621ec4. PubMed: 18317389.
- Singh, T.P., Evans, S. 2010. Socioeconomic position and heart rate recovery after maximal exercise in children. *Archives of Pediatrics and Adolescent Medicine* 164: 479-484. doi:10.1001/archpediatrics.2010.57. PubMed: 20439800.
- Steele, R., Nelson, T., Jelalian, E. 2008. *Pediatric Obesity Trends and Epidemiology*. In Elissa Jelalian and Ric G. Steele.
- Sugiyono. 2007. *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung : Alfabeta.
- Supariasa D., Bachyr, B., Ibnu, F. 2012. *Penilaian status gizi (Edisi Revisi*. Jakarta : EGC hal. 59-62.
- Takahashi, T., Okada, A., Saitoh, T., Hayano, J., Miyamoto, Y. 2000. Difference in human cardiovascular response between upright and supine recovery from upright cycle exercise. *European Journal of Applied Physiology* 81, 233-239.
- Watanabe, J., Thamilarasan, M., Blackstone, E.H., Thomas, J.D., Lauer, M.S. 2001. Heart rate recovery immediately after treadmill exercise and left ventricular systolic dysfunction as predictors of mortality; the case of stress echocardiography. *Circulation* 2001; 104: 1911-1916.
- Widiyanto. 2007. Latihan Fisik dan Asam Laktat. *Medikora Vol. III, No 1*: 61-79
- Widyastuti, Rahmawati, Purnamaningrum. 2009. *Kesehatan Reproduksi*. Yogyakarta : Fitramaya.
- Wilks, D.C., Rank, M., Christle, J., Langhof, H., Siegrist, M., et al. 2012. An inpatient lifestyle-change programme improves heart rate recovery in overweight and obese children and adolescents (LOGIC Trial). *European Journal of Preventive Cardiology*. doi:10.1177/2047487312465691.
- Wiramihardja, K.K. 2009. *Obesitas: Permasalahan dan Terapi Praktis*. Jakarta: C.V. Sagung Seto.
- World Health Organization. 2007. *WHO Reference 2007 for Child and Adolescent : BMI for Age 5-19 years*. WHO, Geneva. Available at : http://www.who.int/growthref/who2007_bmi_for_age_field/en/ (Diakses pada 5 November 2015).
- World Health Organization. 2013. *Global Database of Body Mass Index – BMI Classification*. Diakses pada 6 November 2015 dari <http://apps.who.int>.

World Health Organization. 2013. *Obesity and Overweight*. Available at : <http://www.who.int> (Diakses pada 5 November 2015).

World Health Organization. 2014. "Obesity and Overweight Global Startegy on Diet, Physical Activity and Health". Tersedia di : <http://www.who.int/mediacentre/factsheet/fs3ll/enl> (diakses pada 5 Maret 2015).

Velasquez-Mieyer, P., Perez-Faustinelli, S., Cowan, P.A. 2005. Identifying Children at Risk for Obesity, Type 2 Diabetes, and Cardiovascular Disease. *Diabetes Spectrum* 18: 213-220. doi:10.2337/diaspect.18.4.213.

Vivekananthan, DP., Blackstone, EH., Pothier, CE., Lauer, MS. 2003. Heart rate recovery after exercise is a predictor of mortality, independent of the angiographic severity of coronary disease. *Journal American College of Cardiology* 2003;42:831– 838.

Yakinci, C., Mungen, B., Karabiber, H., Tayfun, M., Evereklioglu, C. 2000. Autonomic nervous system functions in obese children. *Brain Dev* 22:151-153. doi:10.1016/S0387-7604(00)00094-2. PubMed: 10814895.

