

## DAFTAR PUSTAKA

- Abulhasan, J.F., Grey, M.J., 2017. Anatomy and Physiology of Knee Stability. *J. Funct. Morphol. Kinesiol.* 2, 1–11
- Ageberg, E. and Cronström, A. 2018. Agreement between test procedures for the single-leg hop for distance and the single-leg mini squat as measures of lower extremity function. *BMC Sports Science, Medicine and Rehabilitation.* 10:15.
- Antman, E.M., Loscalzo, J., 2015. Ischemic Heart Disease. Dalam : Harrison's principles of internal medicine 19th edn. Kasper, D.L., Fauci, A.S., Hauser, S.L., Longo, D.L., Jameson, J.L., Loscalzo, J. (eds). New York : McGraw Hill Education, pp. 1578-1593.
- Beck TW, Housh TJ, Mielke M, dkk. 2007. The influence of electrode placement over the innervation zone on electromyographic amplitude and mean power frequency versus isokinetic torque relationships. *J Neurosci Methods* 162(1-2): 72–83.
- Begalle, R.L., Distefano, L.J., Blackburn, T., Padua, D.A. 2012. Quadriceps and *Hamstring* Coactivation During Common Therapeutic Exercise. *J Athl Train.* Aug; 47(4): 396–405. doi: 10.4085/1062-6050-47.4.01
- Blagrove, R.C., Howatson, G., Hayes, P.R., 2017. Effects of Strength Training on the Physiological Determinants of Middle- and Long-Distance Running Performance: A Systematic Review. *Sport. Med* 1–33
- Bolgla LA, Shaffer SW, Malone TR. Vastus Medialis Activation during Knee Extension Exercises: Evidence for Exercise Prescription. *J Sport Rehabil* 17 (1): 1-10, 2008.
- Campanini I, Merlo A., Degola P., Merletti R., Vezzosi G., Farina D. 2007. Effect of Electrode Location on EMG Signal Envelope in Leg Muscles During Gait. *J Electromyogr Kinesiol*;17(4):515-26.
- Cardoso EA, Bottaro M, Rodrigues P, dkk. 2015. Effects of six weeks of resistance exercise with reciprocal contractions on knee extensors neuromuscular performance: Randomized controlled trial. *Isokinetics and Exercise Science.* 23 : 109–116.
- Cardoso EA, Bottaro M, Rodrigues P, dkk. 2014. Chronic effects of resistance exercise using reciprocal muscle actions on functional and proprioceptive performance of young individuals: randomized controlled trial. *Rev Bras Cineantropom Desempenho Hum.* 16(6):618-628.
- Ciccione AB, Brown LE, Coburn JW, Galpin AJ. 2014. Effects of Traditional vs. Alternating Whole-Body Strength Training on Squat Performance. *J. Strength. Cond. Res.* 28(9): 2569–2577.

- Colby dan Borstad. 2018. Resistance Exercise for Impaired Muscle Performance, dalam : Kisner C, Colby A., and Borstad J., Therapeutic exercise Foundations and Techniques, Seventh Edition. F. A Davis Company, Philadelphia, Hlm. 169-199
- Criswell E, 2011. *Cram's Introduction to Surface Electromyography*, Jonnes and Buttler Publisher, USA, pp. 43-49.
- Cunha R, Carregaro RL, Martorelli A, Vieira A, Oliveira AB, and Bottaro M. 2013 Effects of short-term isokinetic training of the reciprocal knee extensors agonist and antagonist muscle actions: A controlled and randomized study. *Braz J Phys Ther.* 17(2):137-145.
- Dedinsky, R., Baker, L., Imbus, S., Bowman, M., Murray, L. 2017. Exercises that facilitate optimal *hamstring* and quadriceps co-activation to help decrease ACL injury risk in healthy females : a systematic review of the literature. *Int J Sports Phys Ther*, 12(1):3-15
- Desai MS, Patil V, Naik R. Assessment of Functional Performance of Lower Extremity and Effect of Leg Dominance on The Same in Young Asymptomatic Individuals. *Int J Physiother Res* 2016;4(2):1423–1428.
- De Freitas, MC, Gerosa-Neto J, Zanchi NE, Lira FS, and Rossi FE. 2017. Role of Metabolic Stress for Enhancing Muscle Adaptations: Practical Applications. *World J. Methodol.* 7(2): 46-54. Evetovich T and Ebersole K. 2006. Adaptations to Resistance Training. In: ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription 5<sup>th</sup> edn. Philadelphia: Lippincott Williams & Wilkins, pp. 325-335.
- De Souza, J.A.A.A., Paz, G.A., Miranda, H., 2017. Blood Lactate Concentration and Strength Performance between Agonist-antagonist Paired Set, Superset and Traditional Set Training. *Arch. Med. Deporte.* 34(3):145-150.
- De Souza JAAA, Scudese E, Paz GA, dkk. 2018. Acute Hormone Responses Subsequent to Agonist-antagonist Paired Set vs. Traditional Straight Set Resistance Training. *J. Strength Cond. Res.* 20(10): 000–000. Fisher J, Steele J, and Smith D. 2013. Evidence Based Resistance Training Recommendations for Muscular Hypertrophy. *Medicina Sportiva.* 17 (4): 217-235.
- Disselhorst-Klug C, Schmitz-Rode T, Rau G. Surface electromyography and muscle force: Limits in sEMG–force relationship and new approaches for applications. *Clin Biomech* 24(3): 225–235, 2009.
- Duzgun, I., Kaya, D.O., Baltaci, G., Karacan, S., Colakoglu, F. 2017. Improving the *Hamstring-to-Quadriceps* Strength Ratio in Sedentary Women: Comparison of Stabilization Training and Aerobic Training After a 6-Months Follow-up. *Clin Exp Health Sci*; 7: 45-51

- Fitzgerald, G.K., Lephart, S.M., Hwang, J.H., Wainner, R.S. 2001. Hop test as predictors of dynamic knee stability. *Journal of orthopaedics & Sports Physical Therapy*; 31 (10) : 588-597
- Ford, K.R., Bogert, J.V.D., Myer, G.D., Shapiro, R., Hewett, T.E. 2015. The effects of age and skill level on knee musculature co-contraction during functional activities : a systematic review. *Br J Sports Med* 2008;42:561–566
- Gonzales, A.M., Ghigiarelli, J.J., Sell, K.M., Shone, E.W., Kelly, C.F., Mangine, G.T. 2017. Muscle activation during resistance exercise at 70% and 90% 1-repetition maximum in resistance-trained men. *Muscle nerve* 56(3): 505-509
- Goodwin P., Koorts K., Mack R., Mai S., Morrissey M.C., Hooper D.M. (1999). Reliability of leg muscle electromyography in vertical jumping. *European Journal of Applied Physiology*, 79, 374-378
- Han J, Waddington G, Adams R, Anson J and Liu Y. 2016. Assessing proprioception: *A critical review of methods*. *Journal of Sport and Health Science*. 5 : 80–90.
- Hof, A., 1997. The relationship between electromyogram and muscle force. *Sport. Sport*. 11, 79–86.
- Roberts, T.J., Gabaldon, A.M. 2008. Interpreting muscle function from EMG: lessons learned from direct measurements of muscle force. *Integr Comp Biol*; 48(2): 312-320.
- Hoffman MD, Kraemer WJ and Judelson DA. 2010. Therapeutic Exercise. In: Hoffman dkk.'s *Physical Medicine and Rehabilitation Principle and Practice* 5<sup>th</sup> edn. Philadelphia: Lippincott Williams & Wilkins, pp. 1619-1672.
- Hughes, G. & Watkins, J. 2008. Lower limb coordination and stiffness during landing from volleyball block jumps. *Res.Sports Med.*, 16, 138-154
- Kalytczak, M.M., Lucareli, P.R.G., Reis, A.C. dos, Bley, A.S., Biasotto-Gonzalez, D.A., Correa, J.C.F., Politti, F., 2016. Kinematic and electromyographic analysis in patients with patellofemoral pain syndrome during single leg triple hop test. *Gait Posture* 49, 246–251
- Konrad P. 2005. *The ABC of EMG: A Practical Introduction to Kinesiological Electromyography*. [www.noraxon.com](http://www.noraxon.com).
- Kotchen, TA. 2015. Hypertensive Vascular Disease. In : *Harrison's principles of internal medicine* 19th edn. Kasper DL, Fauci AS, Hauser SL, Longo DL , Jameson JL, & Loscalzo J (eds). New York : McGraw Hill Education, pp. 1611-1627.

- Kotila K. 2014. Evidence-Based Testing of The *Hamstring* Muscles Using EMG Considering The Kinematics and Injury Mechanisms of The *Hamstring* Muscle Group. Unpublished manuscript, University of Iceland, School of Health Sciences.
- Maia MF, Paz GA, Miranda H, dkk. 2015. Maximal repetition performance, rating of perceived exertion, and muscle fatigue during paired set training performed with different rest intervals. *Journal of Exercise Science & Fitness*. 20: 17.
- Maia MF, Willardson JM, Paz GA, dkk. 2014. Effects of different rest intervals between antagonist paired sets on repetition performance and muscle activation. *J. Strength Cond. Res*. 28:2529e2535.
- Mangine, G.T., Hoffman, J.R., Gonzalez, A.M., 2015. The effect of training volume and intensity on improvements in muscular strength and size in resistance-trained men. *Physiol. Rep*. 3, 1–17.
- Maynard J and Ebben WP. 2003. The Effects of Antagonist Prefatigue on Agonist Torque and Electromiography. *J. Strength Cond. Res*. 17: 469–474.
- McKinley, P. & Pedotti, A. 1992. Motor strategies in landing from a jump: the role of skill in task execution. *Exp. Brain Res.*, 90, 427-440.
- Merlo A & Campanini I, 2010. Technical Aspects of Surface Electromyography for Clinicians, *The Open Rehabilitation Journal*, Vol 3, pp 93-109.
- Mesin L., Merletti R., Rainoldi A. (2007). Surface EMG: The issue of electrode location. *Journal of Electromyography and Kinesiology*, 19 (5), 719-726.
- Mukherjee D. dan Eagle K. 2010. The Importance of Early Diagnosis and Treatment in Peripheral Arterial Disease: Insights From the PARTNERS and REACH Registries. *Curr Vasc Pharmacol* 8(3):293-300.
- Nishimura A, Sugita M, Kato K, Fukuda A, Sudo A, and Uchida A. 2010. Hypoxia Increases Muscle Hypertrophy Induced by Resistance Training. *Int. J. Sports Physiol. Perform*. 5: 497-508.
- Nitt-Gray J.L., Hester, D.M., Mathiyakom, W., Munkasy, W.A. 2001. Mechanical demand and multijoint control during landing depend on orientation of the body segments relative to the reaction force. *J. Biomech.*, 34, 1471-1482.
- Orishimo, K.F., Kremenic, J. 2006. Effect of Fatigue on Single-Leg Hop Landing Biomechanics. *Journal of Applied Biomechanics*; 22:1-10.
- Paz GA, Robbins DW, de Oliveira CG, Bottaro M, and Miranda H. 2017. Volume Load and Neuromuscular Fatigue during an Acute Bout of Agonist-antagonist Paired-Set vs. Traditional Set Training. *J. Strength. Cond. Res*. 31(10): 2777–2784.

- Paz GA, Willardson JM, Simão R, and Miranda H. 2013. Effects of different antagonist protocols on repetition performance and muscle activation. *Med Sport*.17:106-12.
- Pescatello LS, Arena R, Riebe D and Thompson, PD (eds). 2014. Health-related Physical Fitness Testing and Interpretation. ACSM's Guidelines for Exercise Testing and Prescription 9th edn. Philadelphia: Lippincott Williams & Wilkins, pp. 73-75; 181-185.
- Robbins DW, Young WB, Behm DG, and Payne WR. 2009. Effects of Agonist-antagonist Complex Resistance Training on Upper Body Strength and Power Development. *J Sport Sci*. 27: 1617–1625.
- Robbins DW, Young WB, Behm DG, and Payne WR. 2010. Agonist-antagonist Paired Set Resistance Training : a Brief Review. *J. Strength Cond. Res*. 24(10) : 2873–2882.
- Schoenfeld BJ. 2010. The mechanisms of muscle hypertrophy and their application to resistance training. *Journal of Strength and Conditioning Research*. National Strength and Conditioning Association.
- Schoenfeld BJ. 2013. Potential Mechanisms for a Role of Metabolic Stress in Hypertrophic Adaptations to Resistance Training. *Sports Med*. 43:179–194.
- Sheppard, J.M., Triplett, N.T., 2016. Program Design for Resistance Training. Dalam: Haff GG and Triplett NT (eds)., *Essentials of strength training and conditioning / National Strength and Conditioning Association 4<sup>th</sup> edn*. Champaign, IL : Human Kinetics.
- Stefan L, Sporis G, and Kamiya S. 2015. Organism Adaptations On Resistance Training : Systematic Review. *Sport Science* 8. Suppl 1: 15-19.
- Stock MST, Beck W, and Defreitas JM. 2012. Effects of Fatigue on Motor Unit firing Rate vs. Recruitment Threshold Relationships. *Muscle Nerve*. 45: 100–109
- Tillman M.D., Hass C.J., Chow J.W, Brunt D. 2005. Lower extremity coupling parameters during locomotion and landings. *J. Appl. Biomech.*, 21, 359-370.
- Van Melick NB, Meddeler M, Hoogeboom TJ, Nijhuis-van der Sanden MWG, and van Cingel REH. 2017. How to Determine Leg Dominance: The Agreement between Self-reported and Observed Performance in Healthy Adults. *PLoS ONE*. 12(12).
- Walker S. 2019. Neural Adaptations to Strength Training. In : *Concurrent Aerobic and Strength Training Scientific Basics and Practical Applications*. M. Schumann and B. R. Rønnestad (Eds).

- Waxman, J.P., Walsh, M., Smith, S.T., Ward, R.M., Berg, W., Noyes, F.R. 2016. The Effects of a 6-Week Neuromuscular Training Program on Quadriceps and *Hamstring* Muscle Activation During Side-Cutting in High School Female Athletes. *Athletic Training & Sports Health Care* | Vol. 8 No. 4
- Wikstrom, E.A., Tillman, M.D., Chmielewski, T.L., Borsa, P.A. 2006. Measurement and evaluation of dynamic joint stability of the knee and ankle after injury. *Sports Med.*, 36, 393-410.
- Williams, G.N., Chmielewski, T., Rudolph K.S., Buchanan, T.S. and Snyder-Mackler, L. 2001. Dynamic knee stability: Current theory and implications for clinicians and scientists. *Journal of Orthopaedic and Sports Physical Therapy* 31(10), pp.546-566
- Wilson G, Murphy A, Walshe A. The specificity of strength training: the effect of posture. *Eur J Physiol* 1996;73(3-4):346-352.
- Yavuz, H.U., Erdag, D. 2017. Kinematic and Electromyographic Activity Changes during Back Squat with Submaximal and Maximal Loading. *Applied Bionics and Biomechanics*, volume 2017, article ID 9084725
- Zatsiorsky VM, Kraemer WJ. *Science and Practice of Strength Training*. Second Edi. 2008.