

## DAFTAR PUSTAKA

- Aalizadeh, A., Adel, D., Sedighe, S., Ali, F.B., Saeed, C.A., Najmeh, M., Sedighe, R. 2015. 'The Effect of Short-term *Plyometric* Training Program on Sprint, Strength, Power and Agility Performance in non-athletic Men'. *Biotechnology Research Asia*, Vol. 12(2) : 1389-1395.
- ACSM. 2014. *ACSM: Resource Manual for Guidelines for Exercise Teting and Prescription 6<sup>th</sup> Edition*. USA : Lippincott Williams & Wilkins.
- Ayuningtyas, Putri, D., Hartono, J., Rahayu, K. 2015. 'Pengaruh Latihan Side Hop dan Jump to Box terhadap Power Tungkai'. *Unnes Journal of Sport Sciences*. Vol. 4(2).
- Bhutkar, M.V., Bhutkar, P.M., Taware, G.B., Surdi, A. 2011. 'How Effective is Sun Salutation in Improving Muscle Strength, General Body Endurance and Body Composition'. *Asian Journal of Sport Medicine*, Vol. 2 : 259-266.
- Bompa, T., Buzzichelli, C.A. 2015. *Periodization Training for Sports 3<sup>rd</sup> Edition*. United States: Human Kinetic.
- Boreham, Colin. 2006. *The Physiologi of Training : The Physiologi of Sprint and Power Training*. England: Elsevier.
- Chmielewski, T.L., Myer, G.D., Kauffman, D. 2006. 'Plyometric exercise in the rehabilitation of athletes : Physiological responses and clinical application'. *The Journal of Orthopaedic and Sports Physical Therapy*, Vol. 36(5) : 308–319.
- Chu, D.A. 1983. 'Plyometrics : The link between strength and speed', *Strength dan Conditioning Journal*, Vol. 5(2) : 20–21.
- Chu, D.A., dan Myer, G.D. 2013. *Plyometrics*. USA : Human Kinetics.
- Clarkson, P. M., Devaney, J.M., Gordish-Dressman, H., Thompson, P.D., Hubal, M.J., Urso, M., Price, T.B., Angelopoulos, T.J., Gordon, P.M., Moyna, N.M., Pescatello, L.S., Visich, P.S., Zoeller, R.F., Seip, R.L., Hoffman, E.P. 2005. 'ACTN3 genotype is associated with increases in muscle strength in response to resistance training in women'. *Journal of Applied Physiology*, Vol. 99(1) : 154–163.
- Dahlan, S. 2010. *Statistik untuk Kedokteran dan Kesehatan Uji Hipotesis dengan Menggunakan SPSS*. Jakarta : PT.Arkans.
- Departemen Kesehatan Republik Indonesia. 2005. *Petunjuk Teknis Pengukuran Kebugaran Jasmani*. Jakarta : Katalog dalam Departemen Kesehatan Republik Indonesia.

- Eynon, N., Ruiz, J.R., Femia, P., Pushkarev, V.P., Cieszczyk, P., Lucia, A. 2012. 'The ACTN3 R577X Polymorphism Across Three Groups Elite Male European Athletes'. *Public Library of Science*, Vol. 7(8) : 1-7.
- Fatouros, I.G., Diamanta, L., Nikolaos, A., Philip, J.B., Athanasios, Z.J., Kyriakos, T., Nikos, K. *et al.* . 2000. 'Evaluation of *Plyometric* Exercise Training, Weight Training, and Their Combination on Vertical Jumping Performance and Leg Strength', *Journal of Strength and Conditioning Research*, Vol. 14(4) : 470-476.
- Ginovicence, V., Jakataine, A., Pranculis, A., Milasius, K. 2014. 'AMPD1 rs17602729 is Associated with Physical Performance of Sprint and Power in Elite Lithuanian Athletes'. *BMC Genetics*, Vol. 15(58).
- Goleva-Fjellet, S. 2015. 'ACE I/D and ACTN3 R577X polymorphisms in the Norwegian population : Do ACE I/D and ACTN3 R577X polymorphisms influence self-reported physical activity levels?'. *Master Thesis*. Norwegia : Telemark University College.
- Gumilas, N.S.A, Candrawati, S., Kusuma, M.N.H. 2016. 'Hubungan Polimorfisme Gen ACTN3 dengan Performa Otot pada Atlet UKM Sepak Bola Universitas Jenderal Soedirman'. *Jurnal Kedokteran Brawijaya*. Malang : Universitas Brawijaya.
- Guyton, A., Hall, J.E. 2014. *Buku Ajar Fisiologi Kedokteran edisi 12*. Jakarta : EGC.
- Hidayat, M.M. 2015. 'Perbedaan nilai  $VO_{2max}$  sebelum dan sesudah 5 minggu sprint interval training pada Anggota UKM Olahraga Kedokteran Unsoed'. *Tugas Akhir Strata 1*. Purwokerto : Fakultas Kedokteran, Universitas Jenderal Soedirman.
- Hoffman, Jay. 2014. *Physiological Aspects of Sport and Performance 2<sup>nd</sup> Edition*. United States: Human Kinetics.
- Ismaryati. 2008. *Tes dan Pengukuran Olahraga*. Surakarta : PT. Lembaga Pengembangan Pendidikan UNS.
- Kaplan, J.M., Kim, S.H., North, K.N., Rennke, H., Correia, L.A., Tong, H.Q., Mathis, B.J., Rodriguez-Perez, J.C., Allen, P.G., Beggs, A.H., Pollak, M.R. 2000. 'Mutations in ACTN4, encoding alpha-actinin-4, cause familial focal segmental glomerulosclerosis'. *Nature Genetics*, Vol. 24(3) : 251-256.
- Knuttgen, K.G., dan Kramer, W.J. 1987. 'Terminology and measurement in exercise performance', *Journal of Applied Sports Science*, Vol. 1(1) : 1-10.

- Kurniawan, Febi. 2015 'Pengembangan Model Latihan *Plyometric* untuk Meningkatkan Power Otot Pemain Sepakbola Usia 14-16 Tahun'. *Motion : Journal Research of Medical Education*, Vol. 6(1) : 45-58
- Laughin, M.H., Roseguini, B. 2008. 'Mechanisms for Exercise Training-induced Increases in Skeletal Muscle Blood Flow Capacity : Differences with Interval Sprint Training versus Aerobic Endurance Training'. *Journal of Physiology and Pharmacology*, Vol. 59(7) : 71-88
- Manty, Minna. 2014. 'Indoor Mobility-Related Fatigue and Muscle Strength in Nonagenarians : A Prospective Longitudinal Study'. *Aging Clinical and Experimental Research*, Vol. 26(1) : 39-46.
- Mayne, I., Eynon, M., Krinsten, Y. 2006. 'Examination of the ACE and ACTN3 Genes in UTC Varsity Athletes and Sedentary Students'. *Journal of Applied Physiology*, Vol. 95 (5) : 865 – 897.
- McArdle, W., Katch, F., dan Katch, V. 2010. *Exercise physiology*. Baltimore, MD : Lippincott Williams & Wilkins.
- Mills, M., Yang, N., Weinberger, R., Vander Woude, D.L., Beggs, A.H., Eastal, S., North, K. 2001. 'Differential expression of the actin-binding proteins, alpha-actinin-2 and - 3, in different species: implications for the evolution of functional redundancy'. *Human Molecular Genetics*, Vol. 10(13) : 1335-1346.
- North, K.N., Yang, N., Wattanasirichaigoon, D., Mills, M., Eastal, S., Beggs, A.H. 1999. 'A common nonsense mutation results in  $\alpha$ -actinin-3 deficiency in the general population', *Nature Genetics*, Vol. 21(4) : 353–354.
- Park, G.D., Joong, C.L., Juri, L. 2014. 'The Effect of Low Extremity Plyometric Training on Back Muscle Power of High School Throwing Event Athletes'. *Journal Physical Therapy Science*, Vol. 26(1) : 161-164.
- Pereira, A., Costa, A.M., Izquierdo, M., Silva, A.J., Bastos, E., Marques, M.C. 2013. 'ACE I/D and ACTN3 R/X polymorphisms as potential factors in modulating exercise-related phenotypes in older women in response to a muscle power training stimuli'. *Age*, 35(5) : 1949-1959. Netherland : Dordrecht
- Pimenta, E. M., Coelho, D.B., Cruz, I.R., Morandi, R.F., Veneroso, C.E., de Azambuja Pussieldi, G., Carvalho, M.R., Silami-Garcia, E., De Paz Fernandez, J.A. 2012. 'The ACTN3 genotype in soccer players in response to acute eccentric training'. *European Journal of Applied Physiology*, Vol. 112(4) : 1495–1503.

- Pimenta, E. M., Coelho, D. B., Veneroso, C. E., Barros Coelho, E. J., Cruz, I. R., Morandi, R.F., De, A. P. G., Carvalho, M. R., Garcia, E. S. & De Paz Fernandez, J. A. 2013. 'Effect of ACTN3 gene on strength and endurance in soccer players'. *Journal of Strength and Conditioning Research*, Vol. 27(12) : 3286-3292.
- Putra, K.P. 2013. 'Pengaruh Program Pelatihan Fisik Militer Terhadap Peningkatan  $VO_{2max}$  Siswa Pendidikan Pertama Tamtama Tentara Nasional Indonesia Angkatan Laut (Studi di Puslatdiksamil Kobangdikal Surabaya)'. *E-Journal Unesa*, Vol. 1(1) : 1-5.
- Radcliffe, J.C., dan Farentinos, R.C. 1985. *Plyometrics Explosive Power Training 2<sup>nd</sup> Edition*. Illinois: Human kinetics Published, Inc.
- Ramadhan, M.N. 2016. 'Pengaruh Polimorfisme Gen ACTN3 Terhadap Perubahan Kekuatan Otot Pasca Intervensi Sprint Interval Training (SIT) : Studi pada Mahasiswa Unit Kegiatan Mahasiswa (UKM) Olahraga Universitas Jenderal Soedirman'. *Tugas Akhir Strata 1*. Purwokerto : Fakultas Kedokteran Universitas Jenderal Soedirman
- Rivera-Brown, A.M., Frontera, W.R. 2012. 'Principles of Exercise Physiology : Response to Acute Exercise and Long-term Adaptations to Training'. *PM&R : The Journal of Injury Function and Rehabilitation*, Vol. 4(11) : 797-804. USA : American Academy of Physical Medicine and Rehabilitation (AAPM&R)
- Ruiz, J. R., Fernandez del Valle, M., Verde, Z., Diez-Vega, I., Santiago, C., Yvert, T., Rodriguez-Romo, G., Gomez-Gallego, F., Molina, J.J., Lucia, A. 2011. 'ACTN3 R577X polymorphism does not influence explosive leg muscle power in elite volleyball players', *Scandinavian Journal of Medicine and Science in Sports*, Vol. 21(6) : 34-41
- Sambodo, S.L. 2015. 'Perbedaan  $VO_{2max}$  Antara Penarik Becak dengan Supir Taksi di Kota Surabaya'. *Thesis*. Surakarta : Universitas Sebelas Maret.
- Sastroasmoro, S., S. Ismael. 2014. *Dasar-Dasar Metodologi Penelitian Klinis Edisi 5*. Jakarta : Sagung Seto.
- Sherwood, L. 2014. *Fisiologi Manusia dari Sel ke Sistem Edisi 8*. Jakarta: EGC.
- Sjoblom, B., Salmazo, A. & Djinovic-Carugo, K. 2008. 'Alpha-actinin structure and regulation'. *Cellular Molecular Life Science*, Vol. 65 : 2688-2701.
- Susanta, I.P.A., Sudiana, I.K., Sudarmada, I.N. 2014. 'Pengaruh Pelatian Incremental Vertical Hop terhadap Kelincahan dan Kekuatan Otot Tungkai'. *e-Journal IKOR Universitas Pendidikan Ganesha Jurusan Ilmu Keolahragaan*, Vol. 2. Bali : Universitas Pendidikan Ganesha

- Thomas, S., Reading, J., Shepard, R.J. 1992. 'Revision of the physical activity readiness questionnaire (PAR-Q)'. *Canadian Journal of Sport Science*, Vol. 17(4) : 338-345.
- Uliyandari, A. 2009. 'Pengaruh Latihan Fisik Terprogram terhadap Perubahan Nilai Konsumsi Oksigen Maksimal ( $VO_{2max}$ ) pada Siswi Sekolah Sepak Bola Voli Tugu Muda Semarang Usia 11-13 Tahun'. *Tugas Akhir Strata I*. Semarang : Fakultas Kedokteran, Universitas Diponegoro
- Vincent, B., De Bock, K., Ramaekers, M., Van den Eeda, E., Van Leemputte, M., Hespel, P., Thomis, M.A. 2008. 'ACTN3 (R577X) genotype is associated with fiber type distribution', *Physiological Genomics*, Vol. 32(1) : 58-63
- Vincent, B., Windelinckx, A., Nielens, H., Ramaekers, M., Van Leemputte, M., Hespel, P. & Thomis, M. A. 2010. 'Protective role of alpha-actinin-3 in the response to an acute eccentric exercise bout'. *Journal of Applied Physiology*, Vol. 109 : 564-573.
- WHO. 2004. 'Appropriate Body Mass Index for Asian Populations And It's Implications for Policy And Intervention Strategies'. *Lancet*. Vol. 363(9412) : 157. London : England
- Yang, N., Daniel, G.M., Jason, P.G., Allan, G.H., Allan, H.B., Simon, E., Kathryn, N. 2003. 'ACTN3 Genotype Is Associated with Human Elite Athletic Performance', *The American Journal of Human Genetics*, Vol. 73(3): 627-631
- Yang, N., Garton, F. & North, K. 2009. 'Alpha-actinin-3 and performance'. *Medicine and Sport Science*, Vol. 54 : 88-101.
- Yang, N., Macarthur, D. G., Wolde, B., Onywera, V. O., Boit, M. K., Lau, S. Y., Wilson, R.H., Scott, R. A., Pitsiladis, Y. P. & North, K. 2007. 'The ACTN3 R577X polymorphism in East and West African Athletes'. *Medicine and Science in Sports Exercise*, Vol. 39(11) : 1985-1988.
- Yusof, H.A., Singh, R., Zainuddin, Z., Rooney, K., Muhammed, A.M.C. 2016. 'Alpha-Actinin-3 (ACTN3) R/X Gene Polymorphism and Physical Performance of Multi-Ethnic Malaysian Population'. *International Journal of Applied Exercise Physiology*, Vol. 5(3) 18-30
- Zwetsloot, K., John, C., Lawrence, M., Battista, R. and Shanely, R. 2014. 'High-Intensity Interval Training Induces A Modest Systemic Inflammatory Response in Active Young Men'. *Journal of Inflammation Research*, Vol. 7 : 9-17.