

## DAFTAR PUSTAKA

- Afdali, M., Daud, M., & Putri, R. (2018). Perancangan Alat Ukur Digital untuk Tinggi dan Berat Badan dengan Output Suara berbasis Arduino UNO. *ELKOMIKA: Jurnal Teknik Energi Elektrik, Teknik Telekomunikasi, & Teknik Elektronika*, 5(1), 106. <https://doi.org/10.26760/elkomika.v5i1.106>
- Agung, I. G. N. (2006). *Statistika penerapan model rerata sel multivariat dan model ekonometri dengan SPSS*. Yayasan Sad Satria Bhakti.
- Agus, M. (2018). *Pengaruh Latihan Tembakan Sudut Berpindah dari Arah Kanan dan Kiri Ring Bola Basket Untuk Meningkatkan kemampuan Free Throw* [Universitas Wahid Hasyim Semarang]. <http://eprints.unwahas.ac.id/1377/>
- Agusti, T. W. (2016). Hubungan Daya Ledak Otot Tungkai Dengan Kemampuan Shooting Ekstrakulikuler Sepakbola. *JOM UNRI*, 11.
- Agustiawan, A. (2018). Pengaruh Daya Ledak Tungkai, Keseimbangan dan Percaya Diri Terhadap Kemampuan Shooting Ke Gawang Dalam Permainan Futsal. *Eprints Universitas Negeri Makassar*, 132. <http://eprints.unm.ac.id/11886/>
- Albay, M. D., Tutkun, E., Agaoglu, Y. S., Canikli, A., & Albay, F. (2008). Hentbol, Voleybol ve Futbol Üniversite Takımlarının Bazı Motorik ve Antropometrik Özelliklerinin İncelenmesi. *Sportmeter Journal of Physical Education and Sport Sciences*, 6(1), 13–20. [https://doi.org/https://doi.org/10.1501/Sportm\\_0000000129](https://doi.org/https://doi.org/10.1501/Sportm_0000000129)
- Alfianika, N. (2018). *Metode Penelitian Pengajaran Bahasa Indonesia* (1st ed.). Deepublish.
- Alfitasari, A., Dieny, F. F., Ardiaria, Ma., & Trsani, A. F. A. (2019). Perbedaan Asupan Energi, Makronutrien, Status Gizi dan VO2Max Antara Atlet Sepakbola Asrama dan Non Asrama. *Media Gizi Indonesia*, 14(1), 14–26. <https://doi.org/https://doi.org/10.204736/mgi.v14i1.14-26>
- Ammoo, M. S. bin, Awal, Z. B. A., & Sangiti, N. binti M. (2014). Static and Dynamic Balancing of Helicopter Tail Rotor Blade Using Two-Plane Balancing Method. *Jurnal Teknologi*, 71(2), 49–55. <https://doi.org/https://doi.org/10.11113/jt.v71.3720>
- Andini, N. K. (2020). *Hubungan Keseimbangan Dinamis, Daya Ledak Otot Tungkai dengan Shooting Futsal*. Universitas Negeri Jakarta.
- Anggoro, D. (2020, April 18). Bola Standar FIFA. *18 April*, 1. [bolalob.com](http://bolalob.com)
- Anggoro, S., Wibowo, P., & Rahayu, N. I. (2016). Pengaruh Latihan Mental Imagery Terhadap Hasil Tembakan Atlet Menembak. *Jurnal Terapan Ilmu Keolahragaan*, 01(02), 23–29.
- Anolopoulos, E. V. M., Atikas, D. I. P., Ollhofer, A. L. G., & Oztamanidis, C. H. K. (2015). Effect Of Combined Sensorimotor-Resistance Training On Strength,Balance, Ang Jumping Performance Of Soccer Players. *Journal of Strength and Conditioning Research*, 30(1), 53–59. <https://doi.org/doi:10.1209/0898-2661-30-1-0053>

10.1519/JSC.00000000000001012

- Arifin. (2017). Pengaruh Keseimbangan, Daya Ledak Tungkai dan Motivasi Terhadap Kemampuan *Shooting* Ke Gawang Futsal. *Universitas Negeri Makassar*, 1–14.
- Arifin, S., & Aryanada, I. dewa made. (2019). Analisis Terjadinya Gol Tim Futsal Putra Universitas Negeri Surabaya Pada POMDA Tahun 2019. *Jurnal Mahasiswa Unesa*, 2(3), 1–7. <https://jurnalmahasiswa.unesa.ac.id/index.php/jurnal-prestasiolahraga/article/view/31183/28321>
- Arifin, Z. (2020). Metodologi penelitian pendidikan. *Jurnal Al-Hikmah*, 1(1), 5. <http://alhikmah.stit-alhikmahwk.ac.id/index.php/awk/article/view/16>
- Arsani, N. L. K. A., Agustini, N. N. M., & Sudarmada, I. N. (2014). Manajemen Gizi Atlet Cabang Olahraga Unggulan di Kabupaten Buleleng. *Jurnal Sains Dana Teknologi*, 3(1), 275–287. <https://doi.org/DOI: http://dx.doi.org/10.23887/jst-undiksha.v3i1.2906>
- Asimilaty, H. (2012). *Model Prediksi Tinggi Badan*. Universitas Indonesia.
- Atmojo, R. T., & Bulqini, A. (2019). Analisis Teknik Dasar Passing dan *Shooting* pada Pertandingan Babak Final Four Pro Futsal League 2018 Tim Vamos Mataram. *Jurnal Prestasi Olahraga*, 2(2), 1–7. <https://doi.org/10.1017/CBO9781107415324.004>
- Atmoko, B. T. (2012). Pengaruh Prestasi Belajar Mata Pelajaran Adaptif dan Pola Asuh Orang Tua Terhadap Prestasi Belajar. In *שנין עליון* (Vol. 66). Universitas Neegeri Yogyakarta.
- Azhari, L. (2014). Implementasi Sensor Ultrasonik Timbangan Digital dan Ardiuno untuk Pengukuran Tinggi dan Berat Badan Ideal [Universitas Widyatama]. In *Respository Universitas Widyatama*. <https://repository.widyatama.ac.id/xmlui/handle/123456789/4696>
- Azis, N., Hidayat, R., Ratimiasih, Y., & Wiyanto, A. (2016). *Analisis Gerakan Tendangan Shooting Futsal Pada Atlet Futsal UKM UPGRIS*. November, 71. <http://eprints.upgris.ac.id/344/>
- Azwar, S. (2013). *Reliabilitas dan Validitas* (H. El Jaid & A. Mumtaz (eds.); 4th ed.). Pustaka pelajar.
- Baharudin, A., Ahmad, M. H., Naidu, B. M., Hamzah, N. R., Azian, N., Zaki, M., & Zainuddin, A. A. (2017). Reliability , Technical Error of Measurement and Validity of Height Measurement Using Portable Stadiometer. *Pertanika*, 25(3), 675–686. [http://www.pertanika.upm.edu.my/Pertanika\\_PAPERS/JST\\_Vol\\_25\\_\(3\)\\_Jul\\_2017/02\\_JST\\_Vol\\_25\\_\(3\)\\_July\\_2017\\_JST-0584-2015\\_pg675-686.pdf](http://www.pertanika.upm.edu.my/Pertanika_PAPERS/JST_Vol_25_(3)_Jul_2017/02_JST_Vol_25_(3)_July_2017_JST-0584-2015_pg675-686.pdf)
- Balbasi, F., Shabani, R., & Nazari, M. (2016). Effect of High-Intensity Interval Training on Body Composition and Bioenergetic Indices in Boys – Futsal Players. *Physical Education of Students*, 20(5), 42–48. <https://doi.org/10.15561/20755279.2016.0506>
- Barfield, W. R., Kirkendall, D. T., & Yu, B. (2002). Kinematic Instep Kicking

- Differences Between Elite Female And Male Soccer Players. *Journal of Sport Science and Medicine*, 1, 72–79.
- Barone, R. (2010). Soccer players have a better standing balance in nondominant one-legged stance. *Open Access Journal of Sports Medicine*, 1. <https://doi.org/10.2147/oajsm.s12593>
- Bean, J. F., Kiely, D. K., Herman, S., Leveille, S. G., Mizer, K., Frontera, W. R., & Fielding, R. A. (2002). The relationship between leg power and physical performance in mobility-limited older people. *Journal of the American Geriatrics Society*, 50(3), 461–467. <https://doi.org/10.1046/j.1532-5415.2002.50111.x>
- Bertino, E., Milani, S., Fabris, C., & Curtis, M. De. (2006). Neonatal Anthropometric. *BMJ*, 92(1), 7–10. <https://doi.org/http://dx.doi.org/10.1136/adc.2006.096214>
- Biberovic, A. (2014). *Kinematic Analysis of the Instep Kick in Youth Soccer Players*. 42(September), 81–90. <https://doi.org/10.2478/hukin-2014-0063>
- Bigoni, M., Turati, M., Gandolla, M., Augusti, C. A., Pedrocchi, A., La Torre, A., Piatti, M., & Gaddi, D. (2017). Balance in young male soccer players: dominant versus non-dominant leg. *Sport Sciences for Health*, 13(2), 253–258. <https://doi.org/10.1007/s11332-016-0319-4>
- Bindemann, M., Scheepers, C., & Burton, A. M. (2009). Viewpoint and Center of Gravity Affect Eye Movements to Human Faces. *Journal of Vision*, 9(2), 1–16. <https://doi.org/10.1167/9.2.7.Introduction>
- Borgen, J. S., & Garthe, I. (2011). Elite Athletes in Aesthetic and Olympic weight-class sports and the challenge of body weight and body composition. *Journal of Sports Sciences*, 29(SUPPL. 1), 37–41. <https://doi.org/10.1080/02640414.2011.565783>
- Brady, A. O., & Straight, C. R. (2014). Muscle Capacity and Physical Function in Older Women: What are the impacts of resistance training? *Journal of Sport and Health Science*, 3(3), 179–188. <https://doi.org/10.1016/j.jshs.2014.04.002>
- Bramantoro, T., Artikel ini telah tayang di Tribunnews.com dengan judul UNJ dan Perbanas Jakarta Juara LIMA Futsal Nationals Season 7, H. tribunnews.com/sport/2019/12/08/unj-dan-perbanas-jakarta-juara-lima-futsal-nationals-season-7, & Bramantoro, E.T. (2019). *UNJ dan Perbanas Jakarta Juara LIMA Futsal Nationals Season 7*. Minggu, 8 Desember. <https://www.tribunnews.com/sport/2019/12/08/unj-dan-perbanas-jakarta-juara-lima-futsal-nationals-season-7>
- Bretzin, A. C., Mansell, J. L., Tierney, R. T., & McDevitt, J. K. (2017). Sex Differences in Anthropometrics and Heading Kinematics Among Division I Soccer Athletes: A Pilot Study. *Sports Health*, 9(2), 168–173. <https://doi.org/10.1177/1941738116678615>
- Bringoux, L., Marin, L., Nougier, V., Barraud, P.-A., & Raphel, C. (2000). Effects of gymnastics expertise on the perception of body orientation in the pitch

- dimension. *Journal of Vestibular Research*, 10, 251–258.
- Budiawan, R., Zahrina, P., & Anita. (2019). *Hasil Analisis Video LIMA Futsal Putri UNJ 2019.pdf*.
- Bungin, B. (2014). *Metodologi Penelitian Kuantitatif* (2nd ed.). Kencana.
- Bungin, B. (2015). *Metodologi Penelitian Sosial dan Ekonomi* (S. Nurlaela (ed.); 2nd ed.). Kencana.
- Burdukiewicz, A., Pietraszewska, J., Stachon, A., Chromik, K., & Goliński, D. (2014). *The anthropometric characteristics of futsal players compared with professional soccer players*. 15(2), 93–99. <https://doi.org/10.2478/humo-2014-0008>
- Byrne, S., & McLean, N. (2002). Elite athletes: Effects of the pressure to be thin. *Journal of Science and Medicine in Sport*, 5(2), 80–94. [https://doi.org/10.1016/S1440-2440\(02\)80029-9](https://doi.org/10.1016/S1440-2440(02)80029-9)
- Claxton, D. B., Troy, M., & Dupree, S. (2013). A Question of Balance. *Journal of Physical Education*, 26(4), 567–572. <https://doi.org/10.1080/07303084.2006.10597842>
- Cosmin, D., & Mircea, N. (2014). The development of futsal game at national level by implementing a strategic competitive and training management. *Ovidius University Annals, Series Physical Education & Sport/Science, Movement & Health*, XIV(2), 376–380. [http://www.analefefs.ro/analefefs/2014/i2\\_supp/pe-autori/6.pdf](http://www.analefefs.ro/analefefs/2014/i2_supp/pe-autori/6.pdf)
- Covassin, T., Savage, J. L., Bretzin, A. C., & Fox, M. E. (2018). Sex differences in sport-related concussion long-term outcomes. *International Journal of Psychophysiology*, 132, 9–13. <https://doi.org/10.1016/j.ijpsycho.2017.09.010>
- Daryanto, Z. P. (2013). Pengembangan model latihan strategi serangan dalam permainan futsal [UNS]. In *Digital Library UNS*. <https://digilib.uns.ac.id/dokumen/detail/30608/Pengembangan-model-latihan-strategi-serangan-dalam-permainan-futsal-Studi-pada-Pemain-Futsal-Putra-Tingkat-Intermediate-di-Kota-Pontianak>
- De Oliveira, A. R., Vanin, A. A., Tomazoni, S. S., Miranda, E. F., Albuquerque-Pontes, G. M., De Marchi, T., Dos Santos Grandinetti, V., De Paiva, P. R. V., Imperatori, T. B. G., De Carvalho, P. D. T. C., Bjordal, J. M., & Leal-Junior, E. C. P. (2017). Pre-Exercise Infrared Photobiomodulation Therapy (810 nm) in Skeletal Muscle Performance and Postexercise Recovery in Humans: What Is the Optimal Power Output? *Photomedicine and Laser Surgery*, 35(11), 595–603. <https://doi.org/10.1089/pho.2017.4343>
- Deprez, D., Valente-dos-santos, J., Coelho-E-Silva, M. J., Lenoir, M., Philippaerts, R., & Vaeyens, R. (2015). Multilevel Development Models of Explosive Leg Power in High-Level Soccer Players. *Medicine & Science in Sports & Exercise*, 47(7), 1408–1415. <https://doi.org/10.1249/MSS.0000000000000541>
- DJ, R. C., JA, R. A., M, C. poyatos, & Pe, A. (2016). Physical Performance of Elite and Subelite Spanish Female Futsal Players. *Biol Sport*, 33(3), 297–

304. <https://doi.org/10.5604/20831862.1212633>
- Dooley, B. (2018). *Players 1st* (1st ed.). Meyer & Meyer Sport.
- Erkmen, N., Taskin, H., Sanioglu, A., Kaplan, T., & Basturk, D. (2010). *Relationships between Balance and Functional Performance in Football Players*. 26(October), 21–29. [%0AFAKTOR](http://journal.unnes.ac.id/nju/index.php/jpehs)
- Ermassi, S. O. H., Helly, M. O. S. O. C., Abka, Z. O. T., & Hephard, R. O. Y. J. S. (2011). Effect of 8 weeks in season upper and Lower limb heavy resistance training on the peak power performance of elite male handball players. *Journal of Strength and Conditioning Research*, 25(9), 2424–2433.
- Evangelos, B., Georgios, K., Konstantinos, A., Giannis, I., Papadopoulos, C., & Aristomenis, S. (2012). *Original Article Proprioception and balance training can improve amateur soccer players' technical skills*. 12(1), 81–89.
- Fahmida, U., & HS, D. (2007). *Handbook nutritional assessment*. SEAMEO-TROPMED RCCN, University of Indonesia.
- FAI. (2008). *Strategic Plan for the Development of Futsal in Ireland 2008-2011*. FAI.
- Fakhrullah. (2017). Analisis Antropometrik Atlet Sepakbola Universitas Serambi Mekkah Banda Aceh. *Penjaskesrek Journal*, 4(2), 151–162. <https://penjaskesrek.stkipgetsempena.ac.id/?journal=home&page=article&op=view&path%5B%5D=55&path%5B%5D=49>
- Faridho, Z. (2016). Analisis Karakteristik Antropometri dan Komposisi Tubuh dengan Somatotype Atlet Remaja Sekolah Atlet Ragunan Jakarta. In *Institute Pertanian Bogor*. Institut Pertanian Bogor.
- FIFA. (2020). *FIFA Futsal Laws of the Game 2020/21* (F. REFEREES & F. COUNCIL (eds.)). FIFA.
- Filipa, A., Byrnes, R., Paterno, M. V., Myer, G. D., & Hewett, T. E. (2010). Neuromuscular training improves performance on the star excursion balance test in young female athletes. *Journal of Orthopaedic and Sports Physical Therapy*, 40(9), 551–558. <https://doi.org/10.2519/jospt.2010.3325>
- Flegal, K. M., Carroll, D., Kit, B. K., & Ogden, C. L. (2012). Prevalence of obesity and trends in the distribution of body mass index among US adults, 1999-2010. *JAMA - Journal of the American Medical Association*, 307(5), 491–497. <https://doi.org/10.1001/jama.2012.39>
- Frey, G. C., & Chow, B. (2006). *Relationship between BMI, physical fitness , and motor skills in youth with mild intellectual disabilities*. November 2015. <https://doi.org/10.1038/sj.jo.0803196>
- Gall, M. D., Gall, J. P., & Borg, W. R. (2007). *Educational Research* (A. E. Burvikovs (ed.); 8th ed.). Pearson Education.
- Gibson, R. S. (2005). *Principles of Nutritional Assessment* (2nd ed.). Oxford university press, USA.

- Goldblatt, D., & Acton, J. (2018). *The Soccer Book* (K. Taylor (ed.); 4th ed.). DK Penguin Random House.
- Guo, S. (2014). Social Work Practice Shaping Social Work Science : What Should Quantitative Researchers Do ? *SAGE*, 25(3), 13. <https://doi.org/10.1177/1049731514527517>
- Gurkan, A. C., Sever, O., ER, F. N., Suveren, C., Kocak, M., & Hazar, M. (2012). The Comparison of Balance and Body Fat Percentage of Elite Futsal Players and Sedentary People. *Beden Egitimi ve Spor Bilimleri Dergisi*, 6(3), 265–270.
- Hardy, R., Cooper, R., Sayer, A. A., Ben-shlomo, Y., Cooper, C., Deary, I. J., Demakakos, P., Gallacher, J., Martin, R. M., Mcneill, G., Starr, J. M., Steptoe, A., Syddall, H., Kuh, D., & Orr, B. (2013). Body Mass Index , Muscle Strength and Physical Performance in Older Adults from Eight Cohort Studies : The HALCYon Programme. *PLoS ONE*, 8(2), 13. <https://doi.org/10.1371/journal.pone.0056483>
- Hasan, A., Rahaman, J. A., Cable, N., & T Re. (2007). Athtopometric Profile of Elite Male Handball Players in Asia. *Biology of Sport*, 24(1), 3–12. [https://www.jsams.org/article/S1440-2440\(02\)80029-9/abstract](https://www.jsams.org/article/S1440-2440(02)80029-9/abstract)
- Hennink, M., Hutter, I., & Bailey, A. (2020). *Qualitative Research Methods* (A. Owens (ed.); 2nd ed.). SAGE Publications Limited. [https://books.google.co.id/books?hl=id&lr=&id=\\_InCDwAAQBAJ&oi=fnd&pg=PP1&dq=what+is+population+research+2020&ots=3tgRqRtXjv&sig=e62lWRrkHofpaQIDyjhWzc8x2A&redir\\_esc=y#v=onepage&q=what is population research 2020&f=false](https://books.google.co.id/books?hl=id&lr=&id=_InCDwAAQBAJ&oi=fnd&pg=PP1&dq=what+is+population+research+2020&ots=3tgRqRtXjv&sig=e62lWRrkHofpaQIDyjhWzc8x2A&redir_esc=y#v=onepage&q=what is population research 2020&f=false)
- Hermawan, I., & Tarsono, T. (2017). Hubungan Bentuk Telapak Kaki, Panjang Tungkai Dengan Daya Ledak Otot Tungkai Terhadap Atlet Kids Athletics Putri 11-14 Tahun Rawamangun. *Journal Physical Education, Health and Recreation*, 1(2), 25. <https://doi.org/10.24114/pjkr.v1i2.7564>
- Hidayani, U., Miharani, T., Rahman, A., & Hermanto, D. (2013). Rancang Bangun Timbangan Buah Digital Dengan Keluaran Berat Dan Harga. *Teknik Komputer AMIK GI MDP*. <http://eprints.mdp.ac.id/917/1/Try-Utami-Hidayani-dan-Tri-Miharani.PDF>
- Hidayat, I. I., & Rusdiana, A. (2018). Analisis Biomekanik Tendangan Shooting Pada Atlet Futsal Putra Ukm Futsal Universitas Pendidikan Indonesia Universitas Pendidikan Indonesia. *JSKK (Jurnal Sains Keolahragaan Dan Kesehatan)*, 3(2), 35–39. <https://doi.org/http://dx.doi.org/10.5614%2Fjskk.2018.3.2.3>
- Hierro, J. V. L. (2017). *UEFA Futsal Coaching Manual* (J. V. L. Hierro (ed.)). UEFA.
- Ho, S. Y., Lam, T. H., & Janus, E. D. (2003). Waist to stature ratio is more strongly associated with cardiovascular risk factors than other simple anthropometric indices. *Annals of Epidemiology*, 13(10), 683–691. [https://doi.org/10.1016/S1047-2797\(03\)00067-X](https://doi.org/10.1016/S1047-2797(03)00067-X)

- Huang, C.-F., Lu, K.-H., & Wu, H.-W. (2013). Biomechanics of Accurate Instep Kick In Futsal. *National Taiwan University of Physical Education and Sport, 31 International Conference on Biomechanics in Sports*, 1–3. <https://doi.org/P03-21 ID214>
- Hulu, F. N. (2013). Analisis Perbandingan Tingkat Akurasi Timbangan Digital dan Manual. *Jurnal Ilmu Komputer Dan Bisnis*, 53(9), 1689–1699. <https://doi.org/10.1017/CBO9781107415324.004>
- Id, F. F., Bravo, G., Id, M. P., Messina, G., Malavolta, R., & Lazzer, S. (2020). *Relationship between body mass index and physical fitness in Italian prepubertal schoolchildren*. 1–16. <https://doi.org/10.1371/journal.pone.0233362>
- Irawan, A. (2009a). *Teknik Dasar Futsal Modern*. Jakarta: PT Pena PundiAksara.
- Irawan, A. (2009b). *Teknik Dasar Modern Futsal*. Pena Pundi Aksara.
- Jadczak, Ł., Grygorowicz, M., Wieczorek, A., & Robert, Ś. (2019). Analysis of static balance performance and dynamic postural priority according to playing position in elite soccer players Gait & Posture Analysis of static balance performance and dynamic postural priority according to playing position in elite soccer pl. *Elsevier*, 74(September), 148–153. <https://doi.org/10.1016/j.gaitpost.2019.09.008>
- Jaya, I. (2010). *Statistika Penelitian untuk Pendidikan* (1st ed.). Citapustaka Media Perintis. [https://scholar.google.com/scholar?hl=id&as\\_sd=0%2C5&q=populasi+peneltian&btnG=](https://scholar.google.com/scholar?hl=id&as_sd=0%2C5&q=populasi+peneltian&btnG=)
- Jumad, M. sekar, & Faruk, M. (2019). Efektivitas Area Shooting Pada Pro Futsal League ( PFL ) 2019. *Jurnal Prestasi Olahraga*, 2(3), 1–8. <https://jurnalmahasiswa.unesa.ac.id/index.php/jurnal-prestasi-olahraga/article/view/31183/28321>
- Kartal, R. (2016). Comparison of Speed, Agility, Anaerobic Strength and Anthropometric Characteristics in Male Football and Futsal Players. *Journal of Education and Training Studies*, 4(7), 47–53. <https://doi.org/10.11114/jets.v4i7.1435>
- Kementerian Kesehatan RI. (2021). *Panduan Kegiatan Hari Gizi Nasional*. Kementerian Kesehatan RI.
- Kesehatan, D. (2002). *Gizi Atlet Sepakbola*.
- Kirkendall, D. T. (2011). *Soccer Anatomy* (P. MacDonald (ed.)). Human Kinetics.
- Kooshaki, F., Nikbakht, M., & Habibi, A. (2014). Relationship Between Body Composition Profile and Basic Futsal Skills in Elite Female Futsal Players. *Scientific Journals*, 2(4), 98–102. <https://doi.org/10.14196/hse.v2i4.136>
- Kudryashov, E. V, & Korepanova, Y. A. (2016). Power Readiness Indices Among Young Female Athletes, Specializing in Futsal. *THE Russian Journal OF Physical Education And Sport*, 1(38), 8–13. <https://doi.org/10.14526/01>
- Kuswari, Mury, Gifari, N., & Deandra, F. I. (2021). *Panduan Pendampingan Gizi Atlet* (L. Safira & A. Khaerani] (eds.)). Kementerian Kesehatan RI.

- Kuswari, Mutu, Gifari, N., Deandra, F. I., & Ratibi, H. F. A. (2021). *Buku Pintar Gizi Bagi Atlet* (L. Safira & A. Khaerani (eds.)). Kementerian Kesehatan RI.
- Lang, I. A., Llewellyn, D. J., Alexander, K., & Melzer, D. (2008). Obesity, physical function, and mortality in older adults. *Journal of the American Geriatrics Society*, 56(8), 1474–1478. <https://doi.org/10.1111/j.1532-5415.2008.01813.x>
- Legaz, A., & Eston, R. (2005). Changes in performance, skinfold thicknesses, and fat patterning after three years of intense athletic conditioning in high level runners. *British Journal of Sports Medicine*, 39(11), 851–856. <https://doi.org/http://dx.doi.org/10.1136/bjsm.2005.018960>
- Lhaksana, J. (2011). *Taktik & Strategi FUTSAL Modern* (D. Anggoro (ed.); 1st ed.). BE CHAMPION. <https://books.google.co.id/books?id=ANTjCgAAQBAJ>
- Lubis, J. (2013). Panduan praktis penyusunan program latihan. In O. Matakupan (Ed.), Jakarta: PT. Rajagrafindo Persada (1st ed.). Rajawali Pers.
- Lubis, J. (2018). *Buku Pembinaan Kebugaran Jasmani dan Pemulihan.pdf* (1st ed.). Rajagrafindo Persada. <https://doi.org/978->
- Lusiana. (2015). Faktor Pengaruh Kemampuan Lemparan (*Shooting*) Pada Atlet Handball Jawa Tengah. *Journal of Physical Education, Health and Sport*, 2(2). <http://journal.unnes.ac.id/nju/index.php/jpehs%0AFAKTOR>
- Mahardono, S. B. U., Hidayah, T., & Sugiarto. (2013). Pemanfaatan Media Massa oleh PT. Bina Mahasiswa Indonesia sebagai Stategi Pemasaran Liga Mahasiswa (LIMA). *Media Ilmu Keolahragaan Indonesia*, 3(2), 114–118. <https://doi.org/10.15294/miki.v3i2.4382>
- Mahfud, I., Indonesia, U. T., & Bagus, E. (2020). *Analisis imt (indeks massa tubuh) atlet ukm sepakbola universitas teknokrat indonesia*. May.
- Maki, J. (2011). *Measuring Height And Weight*.
- Marin, P. J., & Rhea, M. R. (2008). Effects of Vibration Training on Muscle Power. *Strength And Conditioning*, 22(3), 903–909. <https://doi.org/10.1227/01.NEU.0000166663.98616.E4>
- Matin, S. S., & Veria, V. A. (2013). Body Mass Index (BMI) Sebagai Salah Satu Faktor Berkontribusi Terhadap Prestasi belajar. *Jurnal Visikes*, 12(2), 163–169.
- Matondang, Z. (2009). Validitas dan reliabilitas suatu instrumen penelitian. *Jurnal Tabularasa*, 6(1), 87–97.
- Mickle, K. J., Munro, B. J., & Steele, J. R. (2011). Gender and Age Affect Balance Performance in Primary School-aged Children. *Journal of Science and Medicine in Sport*, 14(3), 243–248. <https://doi.org/10.1016/j.jsams.2010.11.002>
- Mihardja, L. (2004). Sistem Energi dan Zat Giri yang Diperlukan Pada Olahraga Aerobik dan Anaerobik. *Journal of Chemical Information and Modeling*, 8(9), 1–58. <https://doi.org/10.1017/CBO9781107415324.004>

- Mohammed, A., Shafizadeh, M., & Platt, G. K. (2014). Effects of the Level of Expertise on the Physical and Technical Demands in Futsal. *International Journal of Performance Analysis in Sport*, 14(2), 473–481. <https://doi.org/10.1080/24748668.2014.11868736>
- Nagasawa, Y., Uchida, Y., & Demura, T. (2011). Effect of Differences in Kicking Legs , Kick Directions , and Kick Skill on Kicking Accuracy in Soccer Players. *Jurnal of Quantitative Analysis in Sports*, 7(4), 1–9. <https://doi.org/10.2202/1559-0410.1339>
- Nazala, G. N. (2016). Hubungan Koordinasi, Keseimbangan dan Power Otot Tungkai dengan Kemampuan Shooting Menggunakan Punggung Kaki pada Cabang Olahraga Futsal. *Jurnal Mahasiswa UNY*. <http://journal.student.uny.ac.id/ojs/index.php/ikora/article/viewFile/2330/2006>
- Nikolaidis, P T. (2014). Weight Status and Physical Fitness in Female Soccer Players : is there an optimal BMI ? Springer Verlag, 10, 41–48. <https://doi.org/10.1007/s11332-014-0172-2>
- Nikolaidis, P T, & Ingebrigtsen, J. (2013). *The relationship between body mass index and physical fitness in adolescent and adult male team handball players Original Article The relationship between body mass index and physical fitness in adolescent and adult male team handball players*. May 2014.
- Nikolaidis, Pantelis T, Chtourou, H., Torres-luque, G., & Rosemann, T. (2019). The Relationship of Age and BMI with Physical Fitness in Futsal Players. *MDPI Sports*, 7(87), 1–10. <https://doi.org/https://doi.org/10.3390/sports7040087>
- Noor, J. (2011). *Buku Metode penelitian* (1st ed.). Prenada Media.
- Núñez, F. J., Santalla, A., Carrasquila, I., Asian, J. A., Reina, J. I., & Suarez-Arrones, L. J. (2018). The effects of Unilateral and Bilateral Eccentric Overload Training on Hypertrophy, Muscle Power and COD Performance, and its Determinants, in Team Sport Players. *PLoS ONE*, 13(3), 1–13. <https://doi.org/10.1371/journal.pone.0193841>
- Nurcahyo, F. (2010). Pencegahan Cedera dalam Sepakbola. *Medikora*, VI(1), 65–76. <https://jurnalmahasiswa.unesa.ac.id/index.php/jurnal-prestasi-olahraga/article/view/31726>
- Nurgiyantoro, B., Gunawan, & Marzuki. (2015). *Statistika Terapan Untuk Penelitian Ilmu Sosial* (Ratna (ed.); Revisi). Gadjah Mada University Press.
- Nurhasanah, S., Rukmana, A., & Lengkana, A. S. (2017). Meningkatkan Gerak Dasar Shooting Bagian Punggung Kaki dalam Sepakbola melalui Modifikasi menggunakan Team Game Tournament. *SpoRTIVE*, 2(1), 21–30. <https://ejournal.upi.edu/index.php/SpoRTIVE/article/view/7792/4987>
- Nurudin, M., Mara, M. N., & Kusnandar, D. (2014). *Ukuran Sampel dan Distribusi Sampling dari Beberapa Variabel Random Kontinu*. 03(1), 1–6. <https://www.sciencedirect.com/science/article/abs/pii/S0092656613000858>

- Nurwiyandi, D. (2019). Pengaruh Latihan *Shooting* Terhadap Akurasi Tendangan. *Journal of Physical Education and Sport Science*, 1(1), 14–25. <http://jurnal.upmk.ac.id/index.php/jpess/article/view/557>
- Nuryadi, A. (2017). Pengaruh Latihan Hexagonal Obstacle Terhadap Peningkatan Daya Ledak Power Otot Tungkai. *WAHANA*, 69(2), 24–28. <http://jurnal.unipasby.ac.id/index.php/whn/article/download/1065/883>
- Oolstenhulme, M. A. T. W., Ailey, B. R. K. E. B., & Llsen, P. H. E. A. (2004). Vertical Jump , Anaerobic Power and *Shooting Accuracy*. *Journal of Strength and Conditioning Research*, 18(3), 422–425. <https://www.tandfonline.com/doi/abs/10.1080/24748668.2014.11868736>
- Orloff, H., Sumida, B., Chow, J., Habibi, L., Fujino, A., & Kramer, B. (2008). Ground reaction forces and kinematics of plant leg position during instep kicking in male and female collegiate soccer players. *Sports Biomechanics*, 7(2), 238–247. <https://doi.org/10.1080/14763140701841704>
- Osteomyoamare. (2010). *Anatomical Direction.pdf*. 2010. [https://commons.wikimedia.org/wiki/File:Anatomical\\_Directions.png](https://commons.wikimedia.org/wiki/File:Anatomical_Directions.png)
- P2PTM, K. R. (2017). *Epidemi Obesitas* (p. 8). P2PTM. <http://p2ptm.kemkes.go.id/>
- Pamungkas, H., & Nidomuddin, M. (2018). HUBUNGAN INDEKS MASSA TUBUH TERHADAP DAYA LEDAK OTOT TUNGKAI SEBAGAI PREDIKTOR AWAL KEBUGARAN JASMANI PADA TIM SEPAK BOLA ASIFA. *BRAVO'S (Jurnal Prodi Pendidikan Jasmani & Kesehatan)*, 6(2).
- Pamungkas, R. A. (2013). *Tungkai Terhadap Ketepatan Shooting Ke Gawang Dalam Sepakbola Pada Pemain Usia 13-15 Tahun Ssb Rajawali Turangga Qeta Ambarawa Kab . Semarang Skripsi* [Universitas Negeri Semarang]. <https://lib.unnes.ac.id/18893/>
- Par'i, H. M., Wiyono, S., & HARJATMO, T. P. (2017). *Penilaian Status Gizi* (1st ed.). Kementerian Kesehatan RI.
- Pelana, R. (2016). Hubungan Kekuatan Otot Tungkai Dan Keseimbangan Statis Dengan Hasil *Shooting* Pada Atlet Klub Petanque. *Prosiding Seminar Nasional Maret 2016*, 116–127. <http://pasca.um.ac.id/conferences/index.php/SNPJ/article/download/996/667>
- Perry, M. C., Carville, S. F., Smith, I. C. H., Rutherford, O. M., & Newham, D. J. (2007). Strength, power output and symmetry of leg muscles: Effect of age and history of falling. *European Journal of Applied Physiology*, 100(5), 553–561. <https://doi.org/10.1007/s00421-006-0247-0>
- Polidoro, L., Bianchi, F., Di Tore, P. A., & Raiola, G. (2013). Futsal Training By Video Analysis. *Journal of Human Sport and Exercise*, 8(2), 290–296. <https://doi.org/10.4100/jhse.2012.8.Proc2.31>
- Powers, S. K., & Howley, E. T. (2009). Exercise Physiology. In *Exercise Physiology* (7th ed., p. 553). McGRAW-HILL Companies.
- Pradhan, S., Barman, T. K., Sahoo, P., & Sutradhar, G. (2017). Effect of SiC weight percentage on tribological properties of Al-SiC metal matrix

- composites under acid environment. *Jurnal Tribologi*, 13(April), 21–35.
- Prayitno, S. A., Pribadi, H. P., Ifadah, R. A., Studi, P., Pangan, T., Pertanian, F., Fisioterapi, P. S., & Kesehatan, F. (2020). Peran Serta Dalam Melaksanakan Protokol Pencegahan Penyebaran Corona Virus Disease (COVID-19) Pada Masyarakat. *Journal of Community Service*, 2(September), 504–510. <https://doi.org/DOI: http://dx.doi.org/10.30587/dedikasimu.v2i3.1657>
- Rada, A., Žuvela, F., Krstulović, S., Kuvačić, G., Markovski, N., & Erceg, M. (2016). Differences In Ball Velocity Using Different Kicking Techniques Among Young Futsal Players. *Research in Physical Education, Sport & Health*, 5(1), 51–55. <https://web.b.ebscohost.com/abstract?direct5>
- Reid, K. F., & Fielding, R. A. (2012). Skeletal Muscle Power: A Critical Determinant of Physical Functioning in Older Adults. *Exercise and Sport Sciences Reviews*, 40(1), 4–12. <https://doi.org/10.1097/JES.0b013e31823b5f13>
- Reilly, T., Bangsbo, J., & Franks, A. (2000). Anthropometric and physiological predispositions for elite soccer. *Journal of Sports Sciences*, 18(9), 669–683. <https://doi.org/10.1080/02640410050120050>
- Ridwan, & Sunarto. (2017). *Pengantar Statistika Untuk Penelitian* (Akdon (ed.)). Alfabeta.
- Ridwan, M., & Irawan, R. (2018). Validitas Dan Reliabilitas Tes Kondisi Fisik Atlet Sekolah Sepakbola ( Ssb ) Kota Padang “ Battery Test of Physical Conditioning .” *Jurnal Performa*, 3(2), 90–99.
- Riyadi, S. (2008). *Pengaruh Metode Latihan dan Kekuatan terhadap Power Otot Tungkai* [Universitas Sebelas Maret]. [https://scholar.google.co.id/scholar?hl=id&as\\_sdt=0%2C5&q=gambar+otot+tungkai&btnG=](https://scholar.google.co.id/scholar?hl=id&as_sdt=0%2C5&q=gambar+otot+tungkai&btnG=)
- Rogers, M. E., Page, P., & Takeshima, N. (2013). Balance Training for the Older Athlete. *International Journal of Sports Physical Therapy*, 8(4), 517–530. <http://www.ncbi.nlm.nih.gov/pubmed/24175135%0Ahttp://www.ncbi.nlm.nih.gov/pmc/articles/PMC3812830>
- Rosita, T., Hernawan, & Fachrezzy, F. (2019). Pengaruh Keseimbangan Kekuatan Otot Tungkai dan Koordinasi Terhadap Ketepatan Shooting Futsal. *Jurnal Terapan Ilmu Keolahragaan*, 4(2), 117–126. <https://doi.org/https://doi.org/10.17509/jtikor.v4i2.18991>
- S. Blatter, J. (2014). Futsal Coaching Manual. In J. Lozano & J. Doyen (Eds.), *FIFA's Education and Technical Development Department*. www.FIFA.com
- Sabella, B., Soesanto, O., & Farmadi, A. (2015). Sistem Pendukung Keputusan Penentuan Gizi Harian Atlet Sepakbola dengan Metode Linear Programming. *Jurnal Teknik Informatika Politeknik Hasnur*, 01(1), 22–27. <https://doi.org/DOI: https://doi.org/10.46365/pha.v1i01.177>
- Sahar, M. A., Nordin, N. J., Nor, A. T. M., & Zakaria, M. I. (2016). Weight Estimation Method in Emergency Department in Malaysia: Is Broselow tape (BT) reliable? *Jurnal Teknologi*, 78(6–8), 113–117. <https://doi.org/10.11113/jt.v78.9063>

- Santika, I. G. P. N. A., & Subekti, M. (2020). Hubungan Tinggi Badan dan Berat Badan Terhadap Kelincahan Tubuh Atlet Kabaddi. *Jurnal Pendidikan Kesehatan Dan Rekreasi*, 6(1), 18–24. <https://doi.org/DOI: 10.5281/zenodo.3661565>
- Saraswati, N. L. P. G. K., Wibawa, A., & Adiputra, L. M. (2015). Hubungan indeks massa tubuh (IMT) dengan keseimbangan statis pada mahasiswa Fakultas Kedokteran Universitas Udayana. *Majalah Ilmiah Fisioterapi Indonesia*, 29–33. [https://sinta.unud.ac.id/uploads/wisuda/1102305027-1-halman+sampul \(1\).pdf](https://sinta.unud.ac.id/uploads/wisuda/1102305027-1-halman+sampul (1).pdf)
- Sari, D. R., Tangkudung, J., & Hanif, A. S. (2018). Evaluasi Program Pemusatan Latihan Daerah (PELATDA) Bolavoli Pasir Putri DKI JAKARTA. *Jurnal Ilmiah Sport Coaching and Education*, 2(1), 8–16. <https://doi.org/DOI: https://doi.org/10.21009/JSCe.02102>
- Sarwono. (2003). *Pedoman praktis memantau status gizi orang dewasa untuk mempertahankan berat badan normal berdasarkan indeks massa tubuh*. Gramedia.
- Saryono. (2006). Futsal Sebagai Salah Satu Permainan Alternatif Untuk Pembelajaran Sepakbola Dalam Pendidikan Jasmani. *Jurnal Pendidikan Jasmani Indonesia*, 3(3), 47–58. <https://journal.uny.ac.id/index.php/jpji/article/view/6249/5429>
- Schönbrodt, F. D., & Perugini, M. (2013). At What Sample size do Correlations Stabilize? *Journal of Research in Personality*, 47(5), 609–612. <https://doi.org/10.1016/j.jrp.2013.05.009>
- Setiati, S., & Azwar, M. K. (2020). COVID-19 and Indonesia. *Indones J Intern Med*, 52(1), 84–89.
- Sharma, S. K., Jain, S. K., Garg, R., & Sharma, N. (2016). Prediction of Height From Foot Length Among Western Uttar Pradesh Population. *International Journal of Anatomy and Research*, 4(4.3), 3289–3293. <https://doi.org/10.16965/ijar.2016.463>
- Sidik, D. Z., Pesurnat, P. L., & Ari, L. (2019). *Pelatihan Kondisi Fisik.pdf* (Nita (ed.); 1st ed.). Remaja Rosdakarya Offset. <https://rosda.co.id/beranda/749-pelatihan-kondisi-fisik.html>
- Silitop, W. (2020). *Soccer Player Female*. Shutterstock. <https://www.shutterstock.com/image-vector/vector-illustration-soccer-player-muscle-anatomy-562286422>
- Sintoko, R. D., & Suharjana. (2018). Effects of Training Methods and Power on Shooting Accuracy in Football. *Yishpess*, 278(YISHPESS), 144–146. <https://doi.org/https://doi.org/10.2991/yishpess-cois-18.2018.37>
- Smith, M. F. (2018). *ResearchMethods In Sport* (J. Seaman (ed.); 2nd ed.). SAGE.
- Snow, S. (2010). *Motor Patterns and Motor Skills*. Arlington Soccer Club.
- Sugiyono. (2012). *Statistika Untuk penelitian* (E. Mulyatiningsih (ed.); 13th ed.). Alfabeta.

- Sugiyono, M. (2015). Penelitian & pengembangan (Research and Development/R&D). Bandung: Penerbit Alfabeta.
- Sulaiman, N., Mohd Rashid, N., Adnan, R., & Misdan, M. (2011). Body Composition of Malaysian Male Futsal Players Based on Playing Position. *2011 IEEE Colloquium on Humanities, Science and Engineering, CHUSER 2011, Chuser*, 285–289. <https://doi.org/10.1109/CHUSER.2011.6163734>
- Sulistyawati. (2019). Pengembangan Stadiometer sebagai Alat Ukur Tinggi Badan dan Tinggi Lutut. *Jurnal Pengelolaan Laboratorium Pendidikan*, 1(1), 7–14. <https://doi.org/https://dx.doi.org/10.14710/jplp.1.1.7-14>
- Susino, R. (2012). *Buku The Secret Power of Mind and Body Unification.pdf* (A. YB (ed.); 1st ed.). Garuda Indonesia perkasa.
- Swastika, W. A., & Widodo, A. (2019). Analisis Faktor-faktor Kekalahan Tim Nasional Futsal Putra Indonesia di AFF Championship 2018. *Jurnal Kesehatan Olahraga*, 7(2), 195–200. <https://jurnalmahasiswa.unesa.ac.id/index.php/jurnal-kesehatan-olahraga/article/view/27856/25484>
- Tabrizi, H. B., Abbasi, A., & Sarvestani, H. J. (2013). Comparing the Static and Dynamic Balances and their Relationship with the Anthropometrical Characteristics in the Athletes of Selected Sports. *Middle East Journal of Scientific Research*, 15(2), 216–221. <https://doi.org/10.5829/idosi.mejsr.2013.15.2.7426>
- Tangkudung, J. (2006). *Kepelatihan Olahraga Pembinaan Prestasi Olahraga* (M. Meryati (ed.); 1st ed.). Penerbit Cerdas Jauh.
- The FA. (2018, December 9). Benefits of Futsal. *The FA*, 6. [www.thefa.com](http://www.thefa.com)
- The International Football Association Board. (2018). Laws of the Game: 2018/19. In IFAB (Ed.), *Thefab.com* (2018/2019). IFAB.COM. <https://img.fifa.com/upload/khhloe2xoigyna8juxw3.pdf>
- Turati, M., Afonso, D., Salazard, B., Maillet Declerck, M., Bigoni, M., & Glard, Y. (2015). Bilateral osteochondrosis of the distal tibial epiphysis: A case report. *Journal of Pediatric Orthopaedics Part B*, 24(2), 154–158. <https://doi.org/10.1097/BPB.0000000000000132>
- Utari, A. (2007). *Hubungan Indeks Massa Tubuh Dengan Tingkat Kesegaran Jasmani*. Universitas Diponegoro.
- Vercellotti, G., Agnew, A. M., Justus, H. M., & Sciulli, P. W. (2009). Stature estimation in an early medieval (XI-XII c.) polish population: Testing the accuracy of regression equations in a bioarcheological sample. *American Journal of Physical Anthropology*, 140(1), 135–142. <https://doi.org/10.1002/ajpa.21055>
- Vic Hermans. (2011). *Futsal Technique tactics training.pdf*. Meyer & Meyer Sport.
- Vilar, L., Araújo, D., Davids, K., Correia, V., & Esteves, P. T. (2013). *Spatial-temporal constraints on decision-making during shooting performance in the team sport of futsal*. April, 37–41.

- Vilar, L., Araújo, D., Davids, K., Travassos, B., Duarte, R., & Parreira, J. (2014). Interpersonal Coordination Tendencies Supporting the Creation/Prevention of Goal Scoring Opportunities in Futsal. *European Journal of Sport Science*, 14(1), 28–35. <https://doi.org/10.1080/17461391.2012.725103>
- Vretaros, A. (2017). *Scientific Basis for Training Fitness for Futsal*. <https://web.b.ebscohost.com/abstract?direct>
- Wardoyo, H. (2017). Profil Kondisi Fisik Tim Nasional Pencak Silat Indonesia 2017. *Prosiding Seminar FIK UNJ*, 2(1), 111–116. <http://journal.unj.ac.id/unj/index.php/prosidingfik/article/view/9020>
- Wibowo, E. T., & Hakim, A. A. (2020). Profil Indeks Massa Tubuh Atlet Tim Nasional Indonesia Pada Asian Games 2018. *Jurnal Kesehatan Olahraga*, 8(1), 10.
- Widiastuti. (2015). *Tes & Pengukuran Olahraga* (1st ed.). Rajawali Pers.
- Wong, P. L., Chamari, K., Dellal, A., & Wisloff, U. (2009). Relationship Between Anthropometric and Physiological Characteristics In Youth Soccer Players. *Journal of Strength and Conditioning Research*, 23(4), 1204–1210. <https://doi.org/doi: 10.1519/JSC.0b013e31819f1e52>
- Wu, J., Hu, X., Zhao, L., & Xia, S. (2019). Injuries of Futsal Players and Prevention in China. *International Journal of Sports and Exercise Medicine*, 5(9), 1–8. <https://doi.org/10.23937/2469-5718/1510145>
- Wulansari, D. A., Kristiyanto, A., & Doewes, M. (2017). Identification of Sport Interested and Talented On Sukakarta, Indonesia. *European Journal of Physical Education and Sport Science*, 3(4), 12–13. <https://doi.org/10.5281/zenodo.556741>
- Yusmawati, Julianti, E., & Purba, R. H. (2020). Neuroscience-based Physical Education Learning Environment: An Analysis. *International Journal of Human Movement and Sport Sciences*, 8(6A), 36–41. <https://doi.org/10.13189/saj.2020.080706>
- Yustika, G. P. (2018). Fisiologi dalam Permainan Sepakbola Profesional : Studi Literatur. *Media Ilmu Keolahragaan Indonesia*, 8(1), 10.
- Yusuf, A. M. (2016). *Metode penelitian kuantitatif, kualitatif & penelitian gabungan*. Prenada Media.
- Zaninotto, P., Wardle, H., Stamatakis, E., & Mindell, J. (2010). Forecasting Obesity to 2010. *NatCen*, July 2006, 52. <https://pdfs.semanticscholar.org/c777/8544bbc59921654ed46ba8ebde2643f5cad2.pdf>