

DAFTAR PUSTAKA

- A Ünveren . 2015 . Investigating Women Futsal and Soccer Players' Acceleration, Speed and Agility Features . *Journal The Anthropologist*, 21:1-2, 361-365 .
- American College of Sports Medicine. (2006). *ACSM's guidelines for exercise testing and prescription, Medicine & Science in Sports & Exercise*.
- Astuti H W . 2019 .perbedaan pengaruh latihan *zig-zag run* dan *shuttle run* terhadap kelincahan pemain futsal di merapi futsal club . Fakultas Ilmu Kesehatan : Universitas Aisyiyah Yogyakarta .
- Aulia L A . 2016 .Pengaruh zig-zag runing terhadap peningkatan kelincahan pada pemain sepak bola usia 15-18 tahun di salatiga training center kota salatiga . Fakultas Ilmu Kesehatan : Universitas Muhammadiyah Surakarta .
- Bompa Grabiel. 2009. *Kualitas Fisik*. Canada: International Olympic Committee.
- Bompa, Tudor O. 1990. *Theory And Methodology Of Training: the Key to Athletic Performance*. Dubuque, IOWA: Kendall/ Hunt Publishing Company.
- Bompa, Tudor O. 1994. *Theory And Methodology Of Training*. IOWA: Hunt Publishing Company.
- Bompa, Tudor O. Carrera, Michael C. 2005. *Periodization Training For Sport*. New York University: Human Kinetics.
- Brown, Lee E., Ferrigno, Vance A. 2005. *Training For Speed, Agility, and Quickness:195 Drills For Athletes*. United States: Human Kinetics. Canberra: Australian Coaching Council Incorporated.
- Chaffin, D. B and Anderson. G. B. J., 1991. "*Occupational Biomechanics*", second edition John Wiley and sons. Inc, USA
- Craig, NP. 1991. "Measuring Body Physique and Composition", In: Pyke, FS., (Ed.).
- Depdiknas. 2000. *Pedoman dan Modul Pelatihan Kesehatan Olahraga Bagi Pelatih Olahragawan Pelajar*. Jakarta: Depdiknas.

- Fitriani*. 2016. Pengaruh Pemberian Zig-zag Run Exercise Terhadap Peningkatan Kelincahan Pada Pemain Persis Makassar Usia 9-12 Tahun. Fakultas Kedokteran Universitas Hasanuddin Makasar.
- Fox, Edward L. 1984. *Physiology of Exercise And Physical Fitness*. In: Strauss, Richard H, ed. Sports Medicine. 1st ed. Italy: W. B. Saunders Company.381-45
- G Sporiš , Z Milanović , N Trajković , Joksimović A . 2011 . correlation between speed, agility and quickness (saq) in elite young soccer players . Journal Acta Kinesiologica 5 , 2: 36-41 .
- Hamilton, T., Thomas, M. A., Stanley, H., dan Vasantha, L. M. 2008. *Treatment and Rehabilitation of Fracture*. Jakarta: EGC
- Hapsoro. 2003. Hubungan antara Kekuatan Otot Tungkai dan Kelincahan dengan Kemampuan Menggiring Bola dalam Sepakbola. *Skripsi*. Yogyakarta: Universitas Negeri Yogyakarta.
- Hasbiah* . 2019 . The Effect of Zig-zag Run Exercise on Increasing Agility in the Soccer Players . *International Journal of Sciences: Basic and Applied Research (IJSBAR) Volume 48, No 4, pp 152-157*
- Herman Vic and Engler Lainer (2011). *Futsal : Technique, Tactics and Training*. United Kingdom : Meyer And Meyer Sport.
- Hidayat, Imam. 1999. *Biomekanika*. Bandung.
- John D. Tenang. 2008. Mahir Bermain Futsal. Bandung. PT. Mizan Pustaka *Journal Of Sports Science*.
- K Azmi , N W Kusnani , 2018 . Effect of Exercise Program Speed, Agility, and Quickness (SAQ) in Improving Speed, Agility, and Acceleration . Journal of Physics: Conf. Series 947 .
- Kanca, I Nyoman. 2010. *Metode Penelitian Pengajaran Pendidikan Jasmani Dan Olahraga*. Singaraja: Undiksha.
- Karim Z A , Hassan M N K , Khairulhalimi N F . 2019 . Comparison of Agility

- With and Without Balls between Players in Position of Defenders, Midfielders and Striker among Sultan Idris Education University (Upsi) Football Players . *International Journal of Academic Research in Business and Social Sciences*, 9(7), 1081–1099 .
- Leo P . 2019 . *Effect of Zig-Zag Training and Dribbling Variations Towards The Rabbit of Ball Dribbling on Football Soccer Players SMA 9 Kerinci . JOURNAL ICOCIT-MUDA, EAI .*
- Lhaksana,Justinus . 2011 . *Taktik Dan Strategi Futsal Modern*. Jakarta.
- Lippert L.2011.*Clinical Kinesiology and Anatomy*.Philadelphia: F.A.Davis Company.
- Moses , B . 1996 . *Succes through play* . USA : Dubuque Company .
- Mehmet Kutlu, H. Y. 2012. *Comparison of a New Test For Agility and Skill in Soccer With Other Agility Tests . Jurnal human of kinetics .* 143-150.
- Michele A. Raya, P. P., Robert S. Gailey, P. P., & Ignacio A. Gaunard, P. M . 2013. Comparison of three agility tests with male service members: Edgren Side Step Test, T- Test, and Illinois Agility Test. University of Miami . 951-960.
- Nala, Ngurah. 1988. *Kesegaran Jasmani*. Denpasar: Yayasan Ilmu Faal Widhya Laksana.
- Ngurah . 2015. Pengaruh latihan lari zig-zag run terhadap kecepatan dan kelincahan . Fakultas Ilmu Olahraga . Universitas Pendidikan Ganesha.
- Novacheck, Tom F., 1998. ‘The biomechanics of running’. USA: *Elsevier Science*.
- O Bana , E Mintarto , Kusnanik N W . 2017. The Effect of Acceleration Sprint and Zig-zag Drill Combination to Increase Students’ Speed and Agility . *Journal of Physics: Conf. Series* 947 .
- Paulsen F. & J. Waschke. 2013. *Sobotta Atlas Anatomi Manusia : Anatomi Umum dan Muskuloskeletal*. Penerjemah : Brahm U. Penerbit. Jakarta : EGC.

- Pauole Kainoa , Madole, Kent, Garhammer, John, Lacourse, Michael, Rozenek, Ralph. 2000. *Reliability and Validity of the T-Test as a Measure of Agility, Leg Power, and Leg Speed in College-Aged Men and Women*. The Journal of Strength & Conditioning Research. 14. 10.1519/00124278-200011000-00012.
- Pearce, Evelyn C . 2006 . *Anatomi dan Fisiologis Untuk Para Medis*, Cetakan kedua puluh Sembilan. Jakarta: PT. Gramedia Pustaka Utama.
- Ponco, N.T. 2005. ‘Hubungan antara kecepatan dan kelincahan terhadap keterampilan menggiring bola dalam sepakbola pada siswa lembaga pendidikan sepakbola atlas binatang semarang’. *Jurnal Ilmiah*.
- R Arifin , G Mulya , W Dirgantoro. 2019 . The Effect of Zig-Zag Run Training on Increasing the Agility of Soccer Players . *Journal Advances in Social Science, Education and Humanities Research*, volume 407 .
- Rudiyanto., Musyafari W., Sugiharto. 2012. *Hubungan Berat Badan Tinggi Badan dan Panjang Tungkai Dengan Kelincahan*. *Journal of Sport Sciences and Fitness*. Vol 1 (2). Desember 2012. 27.
- Safi’i. 2015. “*Profil Kondisi Fisik Pemain Futsal Putra Pra Pon JawaTengah Dalam Persiapan PON XIX Tahun 2015*”. Skripsi . Jurusan Pendidikan Kepelatihan Olahraga, Fakultas Ilmu Keolahragaan, Universitas Negeri Semarang.
- Sajoto. 1988. *Pembinaan Kondisi Fisik Dalam Olahraga*. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Proyek Pengadaan Buku pada Lembaga Pengembangan Tenaga Pendidikan. Jakarta.
- Sudarsono, C. N. 2006. *Pengaruh Latihan Terhadap Otot*. Jakarta: Departemen Ilmu Faal Fakultas Kedokteran Universitas Indonesia.
- Suharno, HP. 1993. *Ilmu Kepelatihan Olahraga*. Bandung. PT. Karya Ilmu.
- Sukadiyanto.2011. *Pengantar Teori dan Metodologi Melatih Fisik*. Bandung: CV. Lubuk Agung

- Tortora, G. J., & Derrickson, B. (2009). *Principles of Anatomy & Physiology*. USA: John Wiley & Sons. Inc.
- Watson. R. 2002. *Anatomi Dan Fisiologi*, Ed 10. Jakarta: Buku Kedokteran ECG.
- Wedana, I Md Agus; I Kt Suidiana, Ni Putu Dewi Sri Wahyuni. 2014. *Pengaruh Pelatihan Zig-Zag Run Dan Lari 60 M Terhadap Volume Oksigen Maksimal (Vo2maks)*. 2014. Volume 1. Singaraja: Universitas Pendidikan Ganesha.
- Wiarso, Giri . 2013. *Fisiologi Dan Olahraga*. Jogjakarta: Graha Ilmu .
- Young W. B., Sheppard J. M. 2006. *Classifications, Training, And Testing*. Australia: