

DAFTAR PUSTAKA

- Acheson, K. A., & Gall, M. D. (2003). *Clinical supervision and teacher development: Preservice and inservice applications*. ERIC.
- Aka, K. A. (2019). Integration Borg & Gall (1983) and Lee & Owen (2004) models as an alternative model of design-based research of interactive multimedia in elementary school. *Journal of Physics: Conference Series*, 1318(1), 12022.
- Anderson, D. I., Magill, R. A., Mayo, A. M., & Steel, K. A. (2019). Enhancing motor skill acquisition with augmented feedback. In *Skill acquisition in sport* (pp. 3–19). Routledge.
- Anindya, C., Setiakarnawajaya, Y., & Widiastuti. (2019). Model Latihan Keterampilan Tendangan (CA) Menggunakan Media Latihan Pada Karate-ka Pemula. *Jurnal Segar*, 116–125.
<http://journal.unj.ac.id/unj/index.php/segar/article/view/11197%0Ahttp://journal.unj.ac.id/unj/index.php/segar/article/download/11197/6986>
- Bezeau, D., Turcotte, S., Beaudoin, S., & Grenier, J. (2020). Health education assessment practices used by physical education and health teachers in a collaborative action research. *Physical Education and Sport Pedagogy*, 25(4), 379–393.
- Bisma Hardinata, B. (2022). *Survei Keterampilan Servis Pendek Dan Servis Panjang Bulutangkis Usia 13-15 Tahun Putra Di Desa Kembang. Stkip Pgri Pacitan*. STKIP PGRI PACITAN.
- Borg, W. (2013). R, Meredith D. Gall. 2003. *Educational Research: An Introduction*.
- Branco, M., Vencesbrito, A., Seabra, A. P., Mercê, C., Rodrigues-Ferreira, M. A., Milheiro, V., & Catela, D. (2019). Exploratory study on maturation and competition level in young karate practitioners. *Revista de Artes Marciales Asiaticas*, 14(1), 1–8. <https://doi.org/10.18002/rama.v14i1.5762>
- Clarke, N. J., Cushion, C. J., & Harwood, C. G. (2018). Players' understanding of talent identification in early specialization youth football. *Soccer & Society*, 19(8), 1151–1165.
- Coker, C. A. (2021). Motor Learning and Control for Practitioners, Fifth Edition. In *Motor Learning and Control for Practitioners, Fifth Edition*.
<https://doi.org/10.4324/9781003039716>
- Collantes González, R. (2024). Kihon, kata y kumite: constituyentes esenciales del karate do. *Llalliq*, 4(1), 89–101. <https://doi.org/10.32911/llalliq.2024.v4.n1.1011>
- de Oliveira, M. A., Telles, T. C. B., & Barreira, C. R. A. (2020). Brazilian women in Olympic combat sports: a discussion through life stories. *Olimpianos-Journal of*

Olympic Studies, 4, 207–225.

Edwards, W. (2011). Motor learning and control: From theory to practice. (No Title).

Effendi, H., & Hendriyani, Y. (2018). *Pengembangan Model Blended Learning Interaktif dengan Prosedur Borg and Gall*.

Egea, J., Fabregat, I., Frapart, Y. M., Ghezzi, P., Görlach, A., Kietzmann, T., Kubaichuk, K., Knaus, U. G., Lopez, M. G., & Olasso-Gonzalez, G. (2017). European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, 13, 94–162.

Fayrus, & Slamet, A. (2022). *Model Penelitian Pengembangan (R n D)*.

Ferreira, F., Silva, R. M., Badicu, G., Muracki, J., & Bogdanski, B. (2024). Development , and inter- and intra-rater reliability of a new instrument for technical evaluation in karate athletes. *Baltic Journal of Health and Physical Activity*, 00(00), 1–10. <https://doi.org/10.29359/BJHPA.16.4.01>

Ginanjari, S., & Julianti, E. (2024). Pengaruh pembelajaran pendidikan jasmani menggunakan model TGFU terhadap disiplin diri siswa MTS Al- Musyawarah , Lembang The effect of physical education learning using the TGFU model on the self-discipline of MTS Al-Musyawah students , Lembang Abstrak. *Jurnal Olahraga Pendidikan Indonesia*, 3, 93–104.

Groom, R., Nelson, L., Potrac, P., & Coyles, A. (2016). Burrhus Frederic Skinner: Environmental reinforcement in coaching. In *Learning in Sports Coaching* (pp. 9–21). Routledge.

Hadiprajitno, P. T. B. (2012). *Struktur kepemilikan, mekanisme tata kelola perusahaan, dan biaya keagenan di Indonesia (studi empirik pada perusahaan di Bursa Efek Indonesia)*. Program Pascasarjana Undip.

Haibach, P. S., Reid, G. D., University, M., & Collier, D. H. (2019). Motor Learning and Development. In *Sustainability (Switzerland)* (Vol. 11, Issue 1). http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbe.co.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI

Harsono, P. I. A., Samsudin, S., & Fachrezzy, F. (2022). Hubungan Keseimbangan Dan Konsentrasi Terhadap Tendangan Momtong Yeop Chagi Atlet Taekwondo Poomsae Tunarungu. *Prosiding Seminar Nasional " Sport Health Seminar With Real Action " Ilmu Kesehatan Masyarakat Universitas Negeri Malang*.

Hilken, T., De Ruyter, K., Chylinski, M., Mahr, D., & Keeling, D. I. (2017). Augmenting the eye of the beholder: exploring the strategic potential of augmented reality to enhance online service experiences. *Journal of the*

Academy of Marketing Science, 45, 884–905.

- Ibrahim, S. (2023). *MODEL KETERAMPILAN TEKNIK NAGE WAZA KARATE UNTUK KELAS ATAS DI SEKOLAH DASAR*. UNIVERSITAS NEGERI JAKARTA.
- Ikram, A., & Rahmat, Z. (2022). PENGARUH LATIHAN KARET TERHADAP KECEPATAN PUKULAN GYAKU-TSUKI DAN KIZAMI-TSUKI PADA ATLET KARATE PEMULA DOJO CANTIK MANIS. *Jurnal Ilmiah Mahasiswa Pendidikan*, 3(2).
- Izet, K., Nikola, A., Oliver, R., Bojan, B., Milan, Z., Saša, B., Raid, M., Benin, M., & Tatiana, D. (2023). Morphological Characteristics as Predictors of Competitors Selection in Karate. *Gymnasium*, 24(1), 28–38. <https://doi.org/10.29081/gsjesh.2023.24.1.03>
- Khanzadeh, S., Sadeghi, H., Choghagalani, S. K., & Hoseiynpour, S. (2015). Muscle stimulation timing while implementing Ura Mawashi Geri in Iranian elite women. *Journal of Human Sport and Exercise*, 10(Proc2), S677–S686. <https://doi.org/10.14198/jhse.2015.10.Proc2.06>
- Kitade, H., Chen, G., Ni, Y., & Ota, T. (2017). Nonalcoholic fatty liver disease and insulin resistance: new insights and potential new treatments. *Nutrients*, 9(4), 387.
- Lubis, J., Haqiyah, A., Robianto, A., Ihsani, S. I., Wardoyo, H., Ginanjar, S., Irawan, A. A., Sumartiningsih, S., Setiawan, I., Lubis, R. A., Sanjaya, K. H., & Kusumandari, D. E. (2024). The effect of six-week plyometric, functional, and interval trainings on body composition, power, and kicking speed in male Pencak Silat University Athletes. *International Journal of Disabilities Sports and Health Sciences*, 7(1), 46–53. <https://doi.org/10.33438/ijdshs.1371605>
- Magill & Anderson. (2014). *Motor Learning and Control, Concepts and Applications*.
- Mocanu, G. D., Murariu, G., Iordan, D. A., & Sandu, I. (2021). Analysis of the influence of age stages on static plantar pressure indicators for karate do practitioners (Preliminary report). *Applied Sciences (Switzerland)*, 11(16), 1–28. <https://doi.org/10.3390/app11167320>
- Mulia, L., Dlis, F., Nugraha, B., & Fitranto, N. (2024). Sosialisasi Metode Latihan Flexibility Pada Pelatih Pplpd Indramayu. *Prosiding Seminar Nasional Pengabdian Masyarakat*, 4, 504–515.
- Oktavian Irfan Deny, Sugiyanto, S. R. (2022). Relationship between Agility, Speed, Leg Muscle Strength, Dynamic Balance with Mawashi Geri Kick Accuracy in Karate. *International Journal of Multidisciplinary Research and Analysis*, 5(9), 2424–2431. <https://doi.org/10.47191/ijmra/v5-i9-17>

- Oleksandr Lytvyn, S. M. (2023). Assessment of Speed Indicators of School Students Practicing Kyokushinkai Karate. *Journal of Learning Theory and Methodology*, 4(1), 5–12. <https://doi.org/10.17309/jltm.2023.4.01>
- Partikova, V. (2019). *Psychological collectivism and mental toughness in traditional Wushu*.
- Peters, M. (2020). Karate-Talk in a Canadian Dojo. *Journal for Undergraduate Ethnography*, 10(1), 20–34.
- Petre, C., & ENOIU, R. (2021). Study of Coordination Development through Practicing Karate at the Age of 12-14 Years. *Bulletin of the Transylvania University of Braşov Series IX Sciences of Human Kinetics*, 14(63)(2), 81–86. <https://doi.org/10.31926/but.shk.2021.14.63.2.9>
- Piepiora, P., & Witkowski, K. (2023). Kumite techniques in sports karate. *Archives of Budo Science of Martial Arts and Extreme Sports*, 17(1), 113–121.
- Pinto-Escalona, T., Gobbi, E., Valenzuela, P. L., Bennett, S. J., Aschieri, P., Martin-Loeches, M., Paoli, A., & Martinez-de-Quel, O. (2021). WITHDRAWN: Effects of a school-based karate intervention on academic achievement, psychosocial functioning, and physical fitness: A multi-country cluster randomized controlled trial. *Journal of Sport and Health Science*. <https://doi.org/10.1016/j.jshs.2021.06.005>
- Pujianto, D., Sutisyana, A., & Arwin, A. (2020). Pengembangan Model Latihan Sasaran Berbasis Permainan Untuk Meningkatkan Kemampuan Passing Sepakbola. *Multilateral: Jurnal Pendidikan Jasmani Dan Olahraga*, 19(1), 67–73.
- Raschka, C., & Anders, M. (2023). Sports anthropological studies of adolescent karateka and judoka in comparison. *Papers on Anthropology*, 32(1), 37–44. <https://doi.org/10.12697/poa.2023.32.1.04>
- Reitman, J. G., Anderson-Coto, M. J., Wu, M., Lee, J. S., & Steinkuehler, C. (2020). Esports research: A literature review. *Games and Culture*, 15(1), 32–50.
- Rusman, R. (2019). Implementasi Kurikulum 2013 Di Sekolah Dasar Studi Tentang Best Practice Yang Dilakukan Guru Sekolah Dasar Dalam Perencanaan, Pelaksanaan, Dan Penilaian Kurikulum 2013. *Al-Bidayah: Jurnal Pendidikan Dasar Islam*, 10(2), 135–150.
- Sagala, F., & Nassar, N. N. (2022). Nanoparticles for Drilling, Cementing, Hydraulic Fracturing, and Well Stimulation Fluids. In *Nanoparticles: An Emerging Technology for Oil Production and Processing Applications* (pp. 359–380). Springer.
- Sandika, A., & Mahfud, I. (2021). Application of Cardiovascular Endurance Training Model With The Ball Football Game at SSB Bintang Utara Pratama. *The 1st*

International Conference on Language Linguistic Literature and Education (ICLLLE).

- Sapri, J., Agustriana, N., & Kusumah, R. G. T. (2019). The Application of Dick and Carey Learning Design toward Student's Independence and Learning Outcome. *International Conference on Educational Sciences and Teacher Profession (ICETeP 2018)*, 218–222.
- Sasmita, N., Januarto, O. B., & Kurniawan, A. (2022). Upaya Meningkatkan Keterampilan Teknik Dasar Tendangan Mawashi-Geri Beladiri Karate Menggunakan Metode Drill Bagi Karate Inkado. *Sport Science and Health*, 4(1), 83–93. <https://doi.org/10.17977/um062v4i12022p83-93>
- Schmidt, Richard A. Timothy D. Lee. (2019). Motor Control and Learning. In *Sustainability (Switzerland)* (Vol. 11, Issue 1). http://scioteca.caf.com/bitstream/handle/123456789/1091/RED2017-Eng-8ene.pdf?sequence=12&isAllowed=y%0Ahttp://dx.doi.org/10.1016/j.regsciurbe.co.2008.06.005%0Ahttps://www.researchgate.net/publication/305320484_SISTEM_PEMBETUNGAN_TERPUSAT_STRATEGI_MELESTARI
- Schmidt, R. A., & Lee, T. D. (2019). *Motor learning and performance 6th edition with web study guide-loose-leaf edition: From principles to application*. Human Kinetics Publishers.
- Schmidt, & Wrisberg. (2000). *Motor Learning and Performance*. Human Kinetics.
- Seyedi, R., Tabben, M., Augustovicova, D., Laird, P., Zhang, D., & Feng, R. X. (2024). Identifying the technical and tactical characteristics of Olympic medallists in karate. *Journal of Human Sport and Exercise*, 19(3), 690–701. <https://doi.org/10.55860/02Y70160>
- Silva, R. M., Ferreira, J., Badicu, G., Muracki, J., Pożarowszczyk-Kuczko, B., & Kawczyński, A. (2025). The role of age, experience, and physical fitness in technical performance in karate: An observational analysis. *Baltic Journal of Health and Physical Activity*, 17(1). <https://doi.org/10.29359/BJHPA.17.1.07>
- Siqueido, A. R. (2010). *Physiological characteristics of competitive mixed martial art fighters*. California State University, Long Beach.
- Srianto, W., Siswantoyo, S., Sudarko, R. A., Arga, M. W., & Susan, S. (2023). Technical Skills Assessment Analysis: Gyaku-Zuki Shots in Karate. *SPORTS SCIENCE AND HEALTH*, 26(2), 185–190.
- Uzizatun Maslikah, Fahmy Fachrezzy, & Haris Nugroho. (2021). Contribution core stability and strength to the performance athlete Slalom Number Water Ski in terms of gender Characteristics. *International Journal of Science, Technology & Management*, 2(3), 908–1006. <https://doi.org/10.46729/ijstm.v2i3.228>
- Volodymyr Hontarenko, Svitlana Marchenko, O. K. (2022). Strength Abilities:

- Assessment And Specific Features Of The Development Of Elementary School-Aged Karate Boys. *Journal of Learning Theory and Methodology*, 3(3), 109–115. <https://doi.org/10.17309/jltm.2022.3.04>
- Weldami, T. P., & Yogica, R. (2023). Model addie branch dalam pengembangan e-learning biologi. *Journal on Education*, 6(1), 7543–7551.
- Wuest, S. L., Richard, S., Kopp, S., Grimm, D., & Egli, M. (2015). Simulated microgravity: critical review on the use of random positioning machines for mammalian cell culture. *BioMed Research International*, 2015(1), 971474.
- Yaqin, K. (2016). *Meningkatkan Keterampilan Gerak Gyakutsuki Mawashigeri Melalui Metode Pendekatan Bagian Perbagian Atlet Pemula Dojo 28 Kabupaten Bogor*. UNIVERSITAS NEGERI JAKARTA.
- Yulfadinata, A., Rohman Kafrawi, F., Setijono, H., & Hariyanto, A. (2022). Analysis of Kumite Competition Techniques in Karate Martial Arts at the 2022 Sea Games. *International Journal of Research Publications*, 103(1). <https://doi.org/10.47119/ijrp1001031620223383>
- Hontarenko, V., Marchenko, S., & Korol, O. (2022). Strength Abilities: Assessment And Specific Features Of The Development Of Elementary School-Aged Karate Boys.
- Andibowo, R., et al. (2021). Effectiveness of Targeted Training Programs in Martial Arts. *Indonesian Sports Science Review*.
- Egbor, P.E., Edetanlen, B., Obuekwe, O., & Akpata, O. (2019). Prevalence and pattern of psychoactive substance abuse among students at the University of Benin. *Annals of Biomedical Sciences*, 18, 85-96.
- Harsono. 2001. *Kepelatihan olahraga. (teori dan metodologi)*. Bandung: Remaja Rosdakarya.
- Hermawan, D., & Pratama, A. (2023). Innovative Approaches in Martial Arts Training. *University of Education Indonesia Research Journal*.
- Isacowitz & Clipping. 2011. *Topics Anatomi Pilates method Champaign, IL : Human Kinetics Collectioninternetarchivebooks; printdisabled*.
- James Tangkudung dan Wahyuningtyas Pospitorini. 2012. *Kepelatihan Olahraga*. Jakarta. Cerdas Jaya
- Julianti, E., & Yusmawati, W. H., & Halim, A.(2021). Quality physical education learning through process modeling based on kinesthetic perception. *International Journal of Human Movement and Sports Sciences*, 9(1), 89-96.

- Lubis, J. (2013). Panduan praktis penyusunan program latihan. *Jakarta: PT. Raja Grafindo Persada.*
- Lubis, J., Haqiyah, A., Robianto, A., Ihsani, S. I., Wardoyo, H., Ginanjar, S., ... & Kusumandari, D. E. (2024). The effect of six-week plyometric, functional, and interval trainings on body composition, power, and kicking speed in male Pencak Silat University Athletes. *International Journal of Disabilities Sports and Health Sciences*, 7(Special Issue 1): International Conference on Sport Science and Health (ICSSH, 2023)), 46-53.
- Kementerian Pemuda dan Olahraga. (2023). Laporan Perkembangan Karateka Usia Muda.
- Kurniawan, H., et al. (2024). Challenges in Karate Training Motivation and Methodology. *International Journal of Sports Psychology.*
- Mori, S., & Tomita, N. (2020). Cultural evolution of karate: From Okinawa to global phenomenon. *Martial Arts Studies*, 8(1), 22-40
- Przybylski, J., et al. (2021). Technical and Tactical Skills Integration in Karate Performance. *Sports Science International Journal.*
- Pujianto. (2021). Early Stage Technical Skill Development in Martial Arts. *Sports Developmental Studies.*
- Rihatno, T., & Nuraini, S. (2023). Evaluation of Physical and Health Education Online Learning in Elementary Schools: PLS-SEM Approach. *International Journal of Information and Education Technology*, 13(7), 1156-1168.
- Sagitarius. 2008. Karate. FPOK UPI. Bandung
- Sitepu, N. (2018). Fundamental Techniques in Youth Sports Training. *Indonesian Sports Education Review.*
- Styriak, M., et al. (2020). Motor Skills and Technical Proficiency in Martial Arts. *Journal of Sports Biomechanics.*
- Subarkah, A., Rianti, E. D. D., Purwanto, S., Winata, D. C., Indarto, P., Nur, A., ... & Cahyono, Y. D. (2013). Unggul Dalam Kepelatihan Cabang Olahraga, Pendidikan Jasmani Dan Manajemen Olahraga. *Ebook J-Unggul Dalam Kepelatihan Cabang Olahraga.*
- Sukadiyanto. 2005. Pengantar Teori Metodologi Melatih Fisik. Yogyakarta: Fakultas Ilmu Keloahragaan. Universitas Negeri Yogyakarta.

- Universitas Indonesia. (2024). Neuroplasticity and Motor Skill Development in Adolescents. Neuroscience Research Publication.
- Widiastuti, A., et al. (2023). 3D Motion Analysis in Martial Arts Technique Evaluation. Sports Technology Journal.
- Widiastuti, Belajar Motorik, (Jakarta: Fakultas Ilmu Keolahragaan UNJ 2013), hal. 26
- Widiastuti, Tes Dan Pengukuran Olahraga. (Jakarta: Rajawali Pers 2015), hal.233
- World Karate Federation. 2011. WKF Rules Competition.
- Yulianti, E. (2020). *Pengaruh Aktivitas Fisik, Kemampuan Motorik, Dan Persepsi Manajemen Kelas Terhadap Hasil Belajar Pendidikan Jasmani Pada Siswa Kelas Viii* (Doctoral Dissertation, Universitas Negeri Jakarta)
- Fandayani, N. (2018). Analisis teknik tendangan dominan terhadap perolehan poin pada pertandingan kumite cabang olahraga karate. *Jurnal Kepelatihan Olahraga*, 10(2), 45-52.
- Kusmirantini, E. (2019). Hubungan power tungkai dengan hasil tendangan mawashi geri dan ushiro mawashi-geri pada cabang olahraga karate. *JTIKOR (Jurnal Terapan Ilmu Keolahragaan)*, 4(1), 78-85.
- Nakayama, M. (2010). *Dynamic karate: Technique and training*. Tokyo: Kodansha International.
- Purba, P. H. (2017). Hubungan kelentukan dan kelincahan terhadap kecepatan tendangan mawashi gery chudan pada karateka perguruan wadokai dojo unimed. *Jurnal Prestasi*, 1(2), 12-18.
- Riyadi, D. N. (2018). Pengaruh latihan stability ball core, core stability dan keseimbangan terhadap tendangan ura ushiro mawashi geri (studi eksperimen pada atlet karate kota bekasi). *Indonesian Education, Management and Sports Anthology*, 2(1), 156-163.
- Wicaksono, D. W. (2020). Persentase keberhasilan tendangan mae geri, mawashi geri, dan ushiro mawashi geri dalam pertandingan karate walikota magelang cup II. *Skripsi*, Fakultas Ilmu Keolahragaan, Universitas Negeri Yogyakarta
- AFS Gear. (2023). The health benefits of karate training: A comprehensive overview. Retrieved from <https://afsgear.com/health-benefits-of-karate-training/>
- Journal of Human Sport and Exercise. (2021). Muscle stimulation timing analysis in

karate techniques. *Journal of Human Sport and Exercise*, 16(2), 234-248.

Journal of Sport Studies for Health. (2018). Performance analysis of karate techniques: Speed vs accuracy in competitive scenarios. *Journal of Sport Studies for Health*, 5(3), 112-125.

Mdpi. (2022). Core strength training effects on karate performance: A systematic review. *Sports Medicine International Open*, 8(4), 156-167.

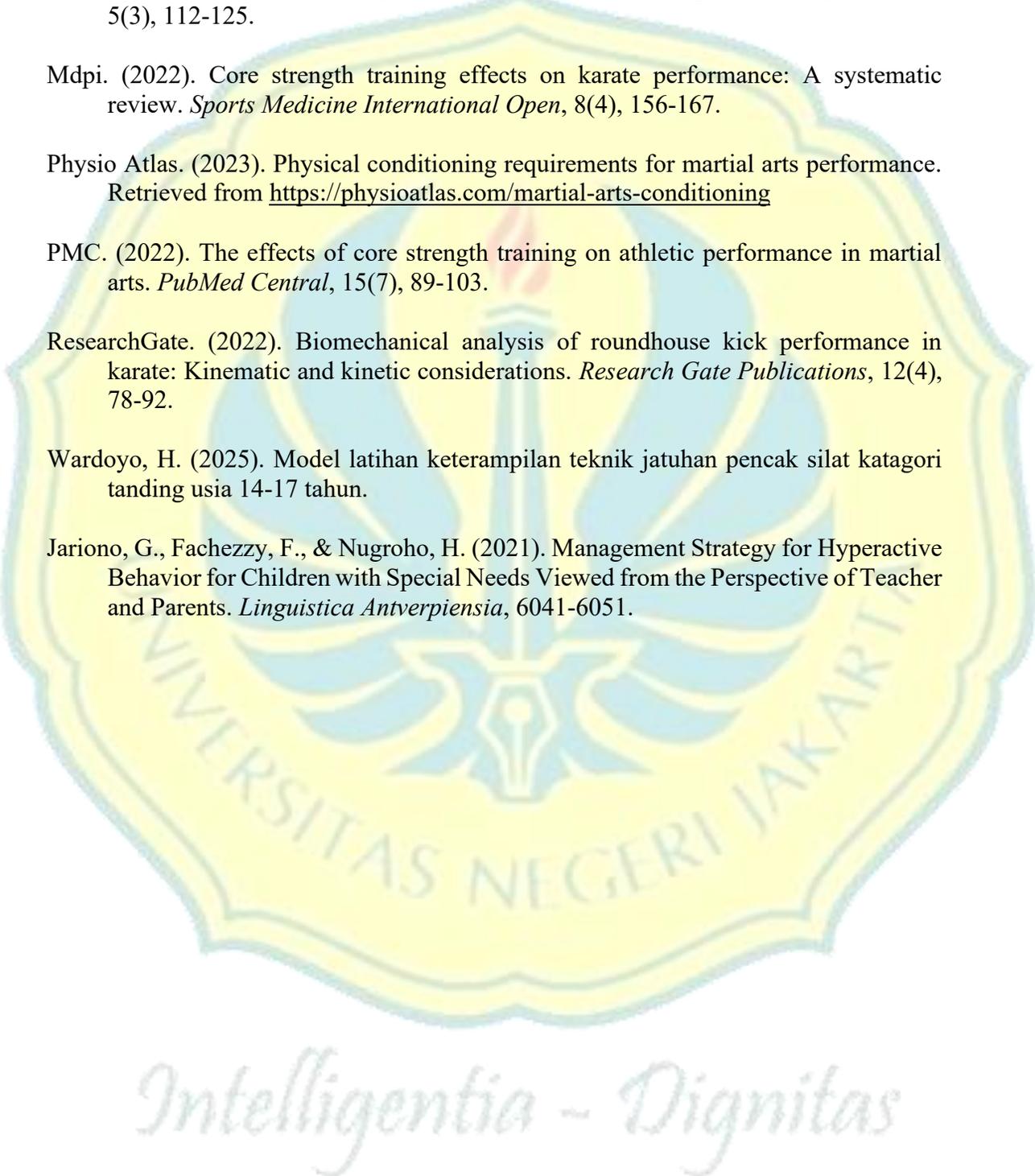
Physio Atlas. (2023). Physical conditioning requirements for martial arts performance. Retrieved from <https://physioatlas.com/martial-arts-conditioning>

PMC. (2022). The effects of core strength training on athletic performance in martial arts. *PubMed Central*, 15(7), 89-103.

ResearchGate. (2022). Biomechanical analysis of roundhouse kick performance in karate: Kinematic and kinetic considerations. *Research Gate Publications*, 12(4), 78-92.

Wardoyo, H. (2025). Model latihan keterampilan teknik jatuhan pencak silat katagori tanding usia 14-17 tahun.

Jariono, G., Fachezzy, F., & Nugroho, H. (2021). Management Strategy for Hyperactive Behavior for Children with Special Needs Viewed from the Perspective of Teacher and Parents. *Linguistica Antverpiensia*, 6041-6051.



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