

DAFTAR PUSTAKA

- Aagaard, P., Suetta, C., Caserotti, P., Magnusson, S. P., & Kjær, M. (2010). Role of the nervous system in sarcopenia and muscle atrophy with aging: strength training as a countermeasure. *Scandinavian Journal of Medicine & Science in Sports*, 20(1), 49–64.
- Aban, N., Ibrahim, C., Dikoh, I., Nguang, U., Kuan, G., Chin, N.-S., & Dewan, A. (2023). *The Physical Fitness Benefits of Speed Agility Training Aids Set* (pp. 71–84). https://doi.org/10.1007/978-981-19-8159-3_6
- Adamčák, Š., & Nemec, M. (2010). Pohybové hry a školská telesná a športová výchova. *Banská Bystrica: FHV UMB*.
- Aiken, L. R. (1980). Content validity and reliability of single items or questionnaires. *Educational and Psychological Measurement*, 40(4), 955–959.
- 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). <https://doi.org/10.1088/1742-6596/1318/1/012022>
- Alcazar, J., Losa-Reyna, J., Rodriguez-Lopez, C., Alfaro-Acha, A., Rodriguez-Mañas, L., Ara, I., García-García, F. J., & Alegre, L. M. (2018). The sit-to-stand muscle power test: An easy, inexpensive and portable procedure to assess muscle power in older people. *Experimental Gerontology*, 112(September), 38–43. <https://doi.org/10.1016/j.exger.2018.08.006>
- Alhowikan, A. M., Altaweraqi, R. A., Halepotto, D. M., & Al-Hazzaa, H. M. (2022). Associations of whole body reaction time with anaerobic power performance among Saudi athletes in different sports. *International Journal of Advanced and Applied Sciences*, 9(11), 136–143. <https://doi.org/10.21833/ijaas.2022.11.017>
- Allen, B., & Waterman, H. (2019). *Stages of Adolescence*. Stages-of-Adolescence. Aspx.
- Alvi, R. R., Jais, M., Achmad, S. S., Khadijah, K., & Arien, W. (2023). *Need Analysis for Development of a Role Playing Learning Model to Increase Student's Learning Motivation in Social Pathology Course*. 15, 5096–5103. <https://doi.org/10.35445/alishlah.v15i4.3630>
- American College of Sports Medicine (Ed.). (2013). *ACSM's health-related physical fitness assessment manual*.
- Ang, R. P., Fariyah, N., & Lau, S. (2014). An outcome evaluation of the implementation of the Outward Bound Singapore five-day “intercept” program. *Journal of Adolescence*, 37(6), 771–778. <https://doi.org/10.1016/j.adolescence.2014.05.003>
- Araujo, R. H. O., Werneck, A. O., Christofaro, D. G. D., & Silva, D. R. P. (2024). Participation in physical education classes and social isolation among adolescents: A harmonized analysis with 266,156 participants from 69 countries. *Mental Health and Physical Activity*, 26, 100583. <https://doi.org/https://doi.org/10.1016/j.mhpa.2024.100583>
- Arisman, A., Mylsidayu, A., Bujang, B., Abidin, D., Ridlo, A. F., Iskandar, T., Mamesah, E. D., Basri, H., Rifai, A., & Prayogo, G. (2023). Sosialisasi Tes Kebugaran Siswa Indonesia (Tksi) Kota Bekasi. *Pamungkas*, 1(1), 34–41.

- Arokiasamy, P., Selvamani, Y., Jotheeswaran, A. T., & Sadana, R. (2021). Socioeconomic differences in handgrip strength and its association with measures of intrinsic capacity among older adults in six middle-income countries. *Scientific Reports*, 11(1), 19494. <https://doi.org/10.1038/s41598-021-99047-9>
- Ashok, C. (2008). *Test your physical fitness*. Gyan Publishing House.
- Astuti, Y., Erianti, E., Amsari, D., & Novita Sari, D. (2023). The Effect of Sports Modifications and Mini Games to improve students' physical fitness in the Adaptive Physical Education Course. *Retos*, 51, 519–525. <https://doi.org/10.47197/retos.v51.99975>
- Auer, M. R. (2008). Sensory perception, rationalism and outdoor environmental education. *International Research in Geographical and Environmental Education*, 17(1), 6–12.
- Badan Pusat Statistik. (2023). Statistika Pendidikan 2023. In *Badan Pusat Statistik* (Vol. 12).
- Badau, D. (2017). The educational impact of implementation the education through adventure discipline in physical education and sports academic curriculum. *Physical Education of Students*, 21(3), 108–115. <https://doi.org/10.15561/20755279.2017.0302>
- Badau, D., & Badau, A. (2018). The motric, educational, recreational and satisfaction impact of adventure education activities in the urban tourism environment. *Sustainability*, 10(6), 2106.
- Badau, D., Badau, A., Joksimović, M., Manescu, C. O., Manescu, D. C., Dinciu, C. C., Margarit, I. R., Tudor, V., Mujea, A. M., & Neofit, A. (2023). Identifying the Level of Symmetrization of Reaction Time According to Manual Lateralization between Team Sports Athletes, Individual Sports Athletes, and Non-Athletes. *Symmetry*, 16(1), 28.
- Baena-Morales, S., Merma-Molina, G., & Ferriz-Valero, A. (2023). Integrating education for sustainable development in physical education: fostering critical and systemic thinking. *International Journal of Sustainability in Higher Education*, 24(8), 1916–1932. <https://doi.org/10.1108/IJSHE-10-2022-0343>
- Bailey, R., Armour, K., Kirk, D., Jess, M., Pickup, I., Sandford, R., & Education, B. P. (2009). The educational benefits claimed for physical education and school sport: an academic review. *Research Papers in Education*, 24(1), 1–27.
- Bandura, A. (1978). Self-efficacy: Toward a unifying theory of behavioral change. *Advances in Behaviour Research and Therapy*, 1(4), 139–161.
- Barisic, A., Leatherdale, S. T., & Kreiger, N. (2011). Importance of frequency, intensity, time and type (FITT) in physical activity assessment for epidemiological research. *Canadian Journal of Public Health*, 102(3), 174–175. <https://doi.org/10.1007/bf03404889>
- Bassett, D. R., & Howley, E. T. (2000). Limiting factors for maximum oxygen uptake and determinants of endurance performance. *Medicine and Science in Sports and Exercise*, 32(1), 70–84.
- Bayram, T., & Donchin, M. (2019). Determinants of health behavior inequalities: A cross-sectional study from Israel. *Health Promotion International*, 34(5), 941–952.
- Bayu, W. I., Nurhasan, Suroto, & Solahuddin, S. (2022). Peer observation, self-assessment, and circuit learning: Improving critical thinking and physical

- fitness in physical education. *Cakrawala Pendidikan*, 41(2), 308–320. <https://doi.org/10.21831/cp.v41i2.38654>
- Bentley, D. J., Newell, J., & Bishop, D. (2007). Incremental exercise test design and analysis: implications for performance diagnostics in endurance athletes. *Sports Medicine*, 37, 575–586.
- Bidzan-Bluma, I., & Lipowska, M. (2018). Physical activity and cognitive functioning of children: a systematic review. *International Journal of Environmental Research and Public Health*, 15(4), 800.
- Borg, W. R., & Gall, M. D. (1984). Educational research: An introduction. *British Journal of Educational Studies*, 32(3).
- Branch, R. M. (2009). *Instructional design: The ADDIE approach* (Vol. 722). Springer Science & Business Media.
- Brock, S. J. (2020). *Measuring Physical Activity for Individuals With Disabilities*. January 2006.
- Cano, L. A., Gerez, G. D., García, M. S., Albarracín, A. L., Farfán, F. D., & Fernández-Jover, E. (2024). Decision-Making Time Analysis for Assessing Processing Speed in Athletes during Motor Reaction Tasks. *Sports*, 12(6), 151. <https://doi.org/10.3390/sports12060151>
- Cao, H., Qian, Q., Weng, T., Yuan, C., Sun, Y., Wang, H., & Tao, F. (2011). Screen time, physical activity and mental health among urban adolescents in China. *Preventive Medicine*, 53(4–5), 316–320.
- Caspersnes, C. . (1985). Powell Physical activity, excecise, and physical fitness definitions, and distinctions for healt-related, research. *Public Health Rep*, 100(2), 126–131.
- Cenić, D. S., Milosavljević Đukić, T. B., Stojadinović, A. M., & Spasić Stošić, A. D. (2023). Outdoor Education: Perspectives of Teachers and Students in the Context of School in Nature as an Innovative Approach in Education. *International Journal of Cognitive Research in Science, Engineering and Education*, 11(3), 497–510. <https://doi.org/10.23947/2334-8496-2023-11-3-497-510>
- Chatzopoulos, D., Galazoulas, C., Patikas, D., & Kotzamanidis, C. (2014). Acute effects of static and dynamic stretching on balance, agility, reaction time and movement time. *Journal of Sports Science & Medicine*, 13(2), 403.
- Chawla, L., Keena, K., Pevec, I., & Stanley, E. (2014). Green schoolyards as havens from stress and resources for resilience in childhood and adolescence. *Health & Place*, 28, 1–13.
- Chen, R. (2023). Research on the development path of higher education model innovation based on quadratic planning algorithm. *Applied Mathematics and Nonlinear Sciences*. <https://doi.org/10.2478/amns.2023.2.01100>
- Chu, C.-H., Chen, F.-T., Pontifex, M. B., Sun, Y., & Chang, Y.-K. (2019). Health-related physical fitness, academic achievement, and neuroelectric measures in children and adolescents. *International Journal of Sport and Exercise Psychology*, 17(2), 117–132.
- Cincera, J., Simonova, P., Kroufek, R., & Johnson, B. (2020). Empowerment in outdoor environmental education: who shapes the programs? *Environmental Education Research*, 26(12), 1690–1706.
- Cooper, S. M., Baker, J. S., Tong, R. J., Roberts, E., & Hanford, M. (2005). The repeatability and criterion related validity of the 20 m multistage fitness test as

- a predictor of maximal oxygen uptake in active young men. *British Journal of Sports Medicine*, 39(4), e19–e19.
- Cottrell, J. R., & Cottrell, S. P. (2020). Outdoor skills education: what are the benefits for health, learning and lifestyle? *World Leisure Journal, August*, 219–241. <https://doi.org/10.1080/16078055.2020.1798051>
- Creswell, J. W., & Poth, C. N. (2016). *Qualitative inquiry and research design: Choosing among five approaches*. Sage publications.
- Crone, E. A., & Dahl, R. E. (2012). Understanding adolescence as a period of social-affective engagement and goal flexibility. In *Nature reviews. Neuroscience* (Vol. 13, Issue 9, pp. 636–650). <https://doi.org/10.1038/nrn3313>
- D'Amato, L. G., & Krasny, M. E. (2011). Outdoor adventure education: Applying transformative learning theory to understanding instrumental learning and personal growth in environmental education. *The Journal of Environmental Education*, 42(4), 237–254.
- Delito, E. (2023). Physical Education and the Importance of Lifelong Fitness Habits. *International Journal of Advanced Research in Science, Communication and Technology*, 708–714. <https://doi.org/10.48175/IJARSCT-11942>
- Deng, N., Soh, K. G., Abdullah, B. Bin, Tan, H., & Huang, D. (2024). Active video games for improving health-related physical fitness in older adults: a systematic review and meta-analysis. In *Frontiers in Public Health* (Vol. 12, p. 1345244). <https://doi.org/10.3389/fpubh.2024.1345244>
- Dent, R. A. (2021). John Amos Comenius: Inciting the Millennium through Educational Reform. *Religions*, 12(11), 1012.
- Diachenko, M., Rozhnova, T., Diachenko, I., & Kushneryk, A. (2023). the Problem of Media Education and Media Literacy As an Educational Component of the Professional and Creative Development of Future Teachers. *The Sources of Pedagogical Skills*, 32, 95–99. <https://doi.org/10.33989/2075-146x.2023.32.292642>
- Diamond, A. (2013). Executive functions. *Annual Review of Psychology*, 64(1), 135–168.
- Dick, W., Carey, L., & Carey, J. O. (2015). The systematic design of instruction, eight edition. *The United States of America: Pearson*.
- Down, M. J. A., Chivers, P., Kirsch, P., & Picknoll, D. (2022). Wellbeing and nature connectedness for emerging adult undergraduates after a short expedition: A small pilot study. *Health Promotion Journal of Australia*, 33(3), 912–919. <https://doi.org/10.1002/hpja.555>
- Drozdowska, A., Falkenstein, M., Jendrusch, G., Platen, P., Lücke, T., Kersting, M., & Sinnigen, K. (2021). Interrelations of physical fitness and cognitive functions in German schoolchildren. *Children*, 8(8), 669.
- Edwards, W. (2017). *Motor Learning and Control From Theory to Practice*. Wadsworth, Cengage Learning.
- Edwards, W. H. (2011). Motor Learning And Control: From Theory To Practice. In *Cengage Learning Inc.* <https://www.cengage.com/c/motor-learning-and-control-from-theory-to-practice-1e-edwards/9780495010807/>
- Esteban-Cornejo, I., Tejero-Gonzalez, C. M., Sallis, J. F., & Veiga, O. L. (2015). Physical activity and cognition in adolescents: A systematic review. *Journal of Science and Medicine in Sport*, 18(5), 534–539.

- Ezugwu, A. E., Shukla, A. K., Agbaje, M. B., Oyelade, O. N., José-García, A., & Agushaka, J. O. (2021). Automatic clustering algorithms: a systematic review and bibliometric analysis of relevant literature. *Neural Computing and Applications*, 33, 6247–6306.
- Faigenbaum, A. D., & MacDonald, J. P. (2017). Dynapenia: it's not just for grown-ups anymore. *Acta Paediatrica*, 106(5), 696–697.
- Fang, B.-B., Lu, F. J. H., Gill, D. L., Liu, S. H., Chyi, T., & Chen, B. (2021). A systematic review and meta-analysis of the effects of outdoor education programs on adolescents' self-efficacy. *Perceptual and Motor Skills*, 128(5), 1932–1958.
- Fang, W., Hassan, A., & Lepage, B. A. (2022). *The Living Environmental Education: Sound Science Toward a Cleaner, Safer, and Healthier Future*. <https://doi.org/10.1007/978-981-19-4234-1>
- Fernández-Bustos, J. G., Cuesta-Valera, P., Zamorano-García, D., & Simón-Piqueras, J. Á. (2024). Health-based physical education in an elementary school: effects on physical self-concept, motivation, fitness and physical activity. In *Physical Education and Sport Pedagogy* (pp. 1–15). Informa UK Limited. <https://doi.org/10.1080/17408989.2024.2342826>
- Fiskum, T. A., & Jacobsen, K. (2013). Outdoor education gives fewer demands for action regulation and an increased variability of affordances. *Journal of Adventure Education and Outdoor Learning*, 13(1), 76–99. <https://doi.org/10.1080/14729679.2012.702532>
- Foldvari, M., Clark, M., Laviolette, L. C., Bernstein, M. A., Kaliton, D., Castaneda, C., Pu, C. T., Hausdorff, J. M., Fielding, R. A., & Singh, M. A. (2000). Association of muscle power with functional status in community-dwelling elderly women. *The Journals of Gerontology. Series A, Biological Sciences and Medical Sciences*, 55(4), M192–M199. <https://doi.org/10.1093/gerona/55.4.m192>
- Fudin, M. S. (2023). Assessment of Physical Fitness Learning Objectives Using the Indonesian Student Fitness Test Instrument For Phase D Students. *Bravo's : Jurnal Program Studi Pendidikan Jasmani Dan Kesehatan*, 11(4), 416. <https://doi.org/10.32682;bravos.v11i4.3380>
- Fukuda, D. H., Hoffman, J. R., & Stout, J. R. (2017). Strength and speed/power athletes. In *Body Composition* (pp. 211–232). CRC Press.
- Fuller, C., Powell, D., & Fox, S. (2017). Making gains: the impact of outdoor residential experiences on students' examination grades and self-efficacy. *Educational Review*, 69(2), 232–247.
- Gall, M. D., Gall, J. P., & Borg, W. R. (2003). *Meredith D. Gall, Walter R. Borg, Joyce P. Gall - Educational Research_ An Introduction (7th Edition)-Allyn & Bacon (2003).pdf* (pp. 569–575).
- Gilbertson, K., Ewert, A., Siklander, P., & Bates, T. (2022). *Outdoor education: Methods and strategies*. Human Kinetics.
- Giri Wiarto. (2015). *Panduan Berolahraga Untuk Kesehatan Dan Kebugaran*.
- Grigore, V., Mitrache, G., Predoiu, R., & Roșca, R. (2012). Characteristic of instrumental movements - Eye hand coordination in sports. *Procedia - Social and Behavioral Sciences*, 33, 193–197. <https://doi.org/10.1016/j.sbspro.2012.01.110>
- Gustafson, K. L., & Branch, R. M. (2002). What is instructional design. *Trends and*

- Issues in Instructional Design and Technology*, 2, 10–16.
- Gustian, U., Saputra, D. R., Rakhmat, C., & Yustiana, Y. R. (2024). Physical Education and Its Scope : A Literature Review of Empirical Studies with A Holistic Perspective Teaching Practices in Indonesia. *Indonesian Journal of Physical Education and Sport Sciences*, 4(2), 171–186. <https://doi.org/10.52188/ijpess.v4i2.729>
- Hadi, S., Imron, A., Wiyono, B. B., Gunawan, I., Abbas, A., & Perdana, D. B. (2023). Design and Testing of Teacher Professional Development Models Focusing on the Optimization of Teachers' Teaching Ability in the Era of ASEAN Economic Communities and New Normal. *Proceedings of the International Conference on Information Technology and Education (ICITE 2021)*, 609(ICite), 46–54. <https://doi.org/10.2991/assehr.k.211210.042>
- Hake, R. R. (2002). Assessment of student learning in introductory science courses. *PKAL Roundtable on the Future: Assessment in the Service of Student Learning*, Duke University, March, 1–3.
- Harvey, D. J., Montgomery, L. N., Harvey, H., Hall, F., Gange, A. C., & Watling, D. (2020). Psychological benefits of a biodiversity-focussed outdoor learning program for primary school children. *Journal of Environmental Psychology*, 67, 101381.
- Hassan, A. K., Alhumaid, M. M., & Hamad, B. E. (2022). The effect of using reactive agility exercises with the FITLIGHT training system on the speed of visual reaction time and dribbling skill of basketball players. *Sports*, 10(11), 176.
- Hasselstrøm, H., Hansen, S. E., Froberg, K., & Andersen, L. B. (2002). Physical fitness and physical activity during adolescence as predictors of cardiovascular disease risk in young adulthood. Danish Youth and Sports Study. An eight-year follow-up study. *International Journal of Sports Medicine*, 23(S1), 27–31.
- Haverkamp, B. F., Oosterlaan, J., Königs, M., & Hartman, E. (2021). Physical fitness, cognitive functioning and academic achievement in healthy adolescents. *Psychology of Sport and Exercise*, 57(September). <https://doi.org/10.1016/j.psychsport.2021.102060>
- Henriksson, A.-C. (2018). Primary School Teachers' Perceptions of Out of School Learning within Science Education. *LUMAT: International Journal on Math, Science and Technology Education*, 6(2), 9–26.
- Hernawan, H. (2023). Literature Review: Physical Activity In Elementary School Students' Outdoor Educational Learning. *Kinestetik : Jurnal Ilmiah Pendidikan Jasmani*, 7(3), 673–681. <https://doi.org/10.33369/jk.v7i3.29349>
- Hills, A. P., Andersen, L. B., & Byrne, N. M. (2011). Physical activity and obesity in children. *British Journal of Sports Medicine*, 45(11), 866–870.
- Himmatul Ulya, Zainiyati, H. S., & Izzi, M. N. L. A. (2022). Bela H. Banathy Learning Design Model Based on Interactive Multimedia At Madrasah Ibtida'Iyah Ma'Arif Ketegan. *Jurnal Studi Keislaman*, 8(2), 98–118.
- Hu, X., & Phucharoen, T. (2024). *Perspective Physical Exercise of Students' Health and Fitness in Xi'an Physical Education University*. 4(3), 155–162.
- Huemer, M.-T., Klutigg, A., Fischer, B., Ahrens, W., Castell, S., Ebert, N., Gastell, S., Jöckel, K.-H., Kaaks, R., & Karch, A. (2023). Grip strength values and cut-off points based on over 200,000 adults of the German National Cohort-a

- comparison to the EWGSOP2 cut-off points. *Age and Ageing*, 52(1), afac324.
- Irawati, D., Iqbal, A. M., Hasanah, A., & Arifin, B. S. (2022). Profil Pelajar Pancasila Sebagai Upaya Mewujudkan Karakter Bangsa. *Edumaspul: Jurnal Pendidikan*, 6(1), 1224–1238. <https://doi.org/10.33487/edumaspul.v6i1.3622>
- Iswanto, A., Siswantoyo, S., Nurcahyo, F., Arga, M., & Susanto, S. (2024). The effect of traditional sports on improving the physical fitness of elementary school students. *Fizjoterapia Polska*, 24, 235–243. <https://doi.org/10.56984/8ZG2EF80Yj>
- Jensen, N. R. (2020). Not just play: summer camp and the profession of social work. *European Journal of Social Work*, 23(5), 909–910. <https://doi.org/10.1080/13691457.2020.1767946>
- Jirásek, I., & Turcova, I. (2017). The Czech approach to outdoor adventure and experiential education: the influence of Jaroslav Foglar's work. *Journal of Adventure Education and Outdoor Learning*, 17(4), 321–337. <https://doi.org/10.1080/14729679.2017.1344557>
- Jostad, J., Paisley, K., & Gookin, J. (2012). Wilderness-based semester learning: Understanding the NOLS experience. *Journal of Outdoor Recreation, Education, and Leadership*, 4(1), 16–26.
- Kamyan, D., Rahman, M., Bagchi, S., Labania, L., & Kamyan, A. (2020). Assessment of Cardiorespiratory Endurance in Terms of Physical Fitness Index and VO₂max among Young adult population of United Arab Emirates. *Article in International Medical Journal*, 25(04), 1927–1940. <https://www.researchgate.net/publication/342751230>
- Kemdikbud. (2024). *Tes Kebugaran Siswa Indonesia*. <https://tks. kemdikbud.go.id/tksi/tentang-kami>
- Kemendikbud. (2024). *Tes Kebugaran Siswa Indonesia*. <http://tksi.kemdikbud.go.id/tksi/tentang-kami>
- Kemendikbudristek. (2022). Dimensi, Elemen, dan Subelemen Profil Pelajar Pancasila pada Kurikulum Merdeka. *Kemendikbudristek*, 1–37.
- Kirk, D., & Haerens, L. (2014). New research programmes in physical education and sport pedagogy. *Sport, Education and Society*, 19(7), 899–911. <https://doi.org/10.1080/13573322.2013.874996>
- Kiviranta, L., Lindfors, E., Rönkkö, M. L., & Luukka, E. (2023). Outdoor learning in early childhood education: exploring benefits and challenges. *Educational Research*, 00(00), 1–18. <https://doi.org/10.1080/00131881.2023.2285762>
- Kong, Y., Wang, W., & Rajabov, B. (2024). New model of college physical education teaching based on the algorithm and data structure of flipped classroom and OBE. In *Heliyon* (Vol. 10, Issue 11, p. e31368). <https://doi.org/10.1016/j.heliyon.2024.e31368>
- Krakauer, J. W., Hadjiosif, A. M., Xu, J., Wong, A. L., & Haith, A. M. (2019). Motor learning. *Comprehensive Physiology*, 9(2), 613–663. <https://doi.org/10.1002/cphy.c170043>
- Kuo, M., Barnes, M., & Jordan, C. (2022). Do experiences with nature promote learning? Converging evidence of a cause-and-effect relationship. In *High-Quality Outdoor Learning* (pp. 47–66). Springer, Cham.
- Kurniawan, A. R., Bakhri, R. S., Lubis, A. E., Taufiq, A., & Yustina, Y. R. (2024a). Kebutuhan Pengajar Outdoor Adventure Education Ditinjau Dari Lensa Pedagogical Content Knowledge (Pck); Narrative Literature Review. In *Jurnal*

- Dedikasi Pendidikan* (Vol. 8, Issue 1). Universitas Abulyatama. <https://doi.org/10.30601/dedikasi.v8i1.4111>
- Kurniawan, A. R., Bakhri, R. S., Lubis, A. E., Taufiq, A., & Yustina, Y. R. (2024b). KEBUTUHAN PENGAJAR OUTDOOR ADVENTURE EDUCATION DITINJAU DARI LENSA PEDAGOGICAL CONTENT KNOWLEDGE (PCK); NARRATIVE LITERATURE REVIEW. *Jurnal Dedikasi Pendidikan*, 8(1), 87–94. <http://jurnal.abulyatama.ac.id/dedikasi>
- Lambourne, K., & Tomporowski, P. (2010). The effect of exercise-induced arousal on cognitive task performance: a meta-regression analysis. *Brain Research*, 1341, 12–24.
- Lamoreda, J., González-Villora, S., Evangelio, C., & Fernandez-Rio, J. (2022). Hybridizing Outdoor Adventure Education and Cooperative Learning in physical education. Students and teachers' views View supplementary material Hybridizing Outdoor Adventure Education and Cooperative Learning in physical education. Students and teachers' views. *Journal of Adventure Education & Outdoor Learning*, 24, 159–174. <https://doi.org/10.1080/14729679.2022.2087194>
- Lamoreda Prieto, J., González Víllora, S., & Fernández Río, F. J. (2020). Hibridando el Aprendizaje Cooperativo, la Educación Aventura y la Gamificación a través de la carrera de orientación. *Retos*.
- Landi, F., Calvani, R., Martone, A. M., Salini, S., Zazzara, M. B., Candeloro, M., Coelho-Junior, H. J., Tosato, M., Picca, A., & Marzetti, E. (2020). Normative values of muscle strength across ages in a “real world” population: results from the longevity check-up 7+ project. *Journal of Cachexia, Sarcopenia and Muscle*, 11(6), 1562–1569. <https://doi.org/10.1002/jcsm.12610>
- Laxdal, A., Mjåteit, A., Leibinger, E., Haugen, T., & Giske, R. (2020). Self-regulated learning in physical education: An analysis of perceived teacher learning support and perceived motivational climate as context dependent predictors in upper secondary school. *Scandinavian Journal of Educational Research*, 64(7), 1120–1132.
- Leanza, P. M., Porto, S. M. C., Sapienza, V., & Cascone, S. M. (2016). A heritage interpretation-based itinerary to enhance tourist use of traditional rural buildings. *Sustainability*, 8(1), 47.
- Lednický, A., & Doležajová, L. (2011). The comparison of general motoric performance of boys engaged in sports years 1986 and 2010. *Atletika 2011*, 122–125.
- Li, H., Cheong, J. P. G., & Hussain, B. (2023). The Effect of a 12-Week Physical Functional Training-Based Physical Education Intervention on Students' Physical Fitness—A Quasi-Experimental Study. In *International Journal of Environmental Research and Public Health* (Vol. 20, Issue 5). <https://doi.org/10.3390/ijerph20053926>
- Li, L., Tasnaina, N., & Hongseanyatham, P. (2024). Application of Tabata Training to Improve Physical Fitness and DanceSports Skills for Guangdong University Students. *International Journal of Sociologies and Anthropologies Science Reviews*, 4(1), 187–196. <https://doi.org/10.60027/ijsasr.2024.3579>
- Li, X., Tan, W. H., Li, Z., Dou, D., & Zhou, Q. (2024). Adaptive fitness enhancement model: Improving exercise feedback and outcomes through tailored independent physical education plan. *Education and Information*

- Technologies*, 1–33. <https://doi.org/10.1007/s10639-024-12616-z>
- Li, Y., & Ariyasajskul, S. (2023). Construction of Outdoor Adventure Education Courses to Develop Psychological Resilience for University Students. In *International Journal of Sociologies and Anthropologies Science Reviews* (Vol. 3, Issue 6, pp. 261–274). Dr. Ken Institute of Academic Development and Promotion. <https://doi.org/10.60027/ijasr.2023.3479>
- Liu, R. (2023). Research on the Outlook of Outdoor Education in China. *Journal of Education, Humanities and Social Sciences*, 23, 256–262. <https://doi.org/10.54097/ehss.v23i.12892>
- Liu, X., Tang, J., Long, W., Zou, Y., & Tan, J. (2024). Comparison of physical activity and physical fitness in children and adolescents of Chinese Han and Tibet ethnicity. *Frontiers in Public Health*, 12(May), 1–8. <https://doi.org/10.3389/fpubh.2024.1392803>
- Lungu, N. (2007). *Psihologie experimentală*. Editura Fundației "România de Mâine".
- Ma, M., Liu, W., Zhang, R., Xie, W., & Qin, Q. (2023). Research on the Application and Effect of Innovative Teaching Methods in College Student Education. In *Contemporary Education and Teaching Research* (Vol. 4, Issue 11, pp. 573–578). Darcy & Roy Press Co. Ltd. <https://doi.org/10.61360/bonicetr232015191104>
- Madyar-Fazekash, E., Spivak, A., Susla, V., & Shelyk, V. (2022). Functional training of best fit students as a tool for improving students' physical fitness. *Scientific Journal of National Pedagogical Dragomanov University. Series 15. Scientific and Pedagogical Problems of Physical Culture (Physical Culture and Sports)*, 9(9(154)), 54–58. [https://doi.org/10.31392/npu-nc.series15.2022.9\(154\).13](https://doi.org/10.31392/npu-nc.series15.2022.9(154).13)
- Magallanes, C. L. (2024). Physical Education Teachers' Experiences in Fitness Testing. In *British Journal of Multidisciplinary and Advanced Studies* (Vol. 5, Issue 1, pp. 88–147). European Centre for Research Training and Development. <https://doi.org/10.37745/bjmas.2022.0422>
- Marmol-Perez, A., Gil-Cosano, J. J., Ubago-Guisado, E., Llorente-Cantarero, F. J., Pascual-Gázquez, J. F., Ness, K. K., Martinez-Vizcaino, V., Ruiz, J. R., & Gracia-Marco, L. (2024). Muscle strength deficits are associated with low bone mineral density in young pediatric cancer survivors: The iBoneFIT project. *Journal of Sport and Health Science*, 13(3), 419–427. <https://doi.org/10.1016/j.jshs.2024.01.003>
- Mateer, T. J., Pighetti, J., Taff, B. D., & Allison, P. (2023). Outward Bound and outdoor adventure education. In *Annales Kinesiologiae* (Vol. 13, Issue 2, pp. 143–181). Science and Research Centre Koper. <https://doi.org/10.35469/ak.2022.368>
- Mawer, M. (2012). Teaching styles and teaching approaches in physical education: research developments. In *Learning and teaching in physical education* (pp. 83–104). Routledge.
- Maydiantoro, A. (2021). Research Model Development: Brief Literature Review. *Jurnal Pengembangan Profesi Pendidik Indonesia (Jpppi)*, 1(2), 29–35.
- McGrath, R. P., Kraemer, W. J., Snih, S. Al, & Peterson, M. D. (2018). Handgrip strength and health in aging adults. *Sports Medicine*, 48, 1993–2000.
- McKenzie, M. (2003). Beyond "The Outward Bound Process:" Rethinking Student

- Learning. *Journal of Experiential Education*, 26(1), 8–23.
<https://doi.org/10.1177/105382590302600104>
- McNeil, D. G., Spittle, M., & Mesagno, C. (2021). Imagery training for reactive agility: Performance improvements for decision time but not overall reactive agility. *International Journal of Sport and Exercise Psychology*, 19(3), 429–445.
- Melero, E. G., Extremera, A. B., & Fuentes, J. A. S. (2023). A critical look at Adventure Education programs. *Cultura, Ciencia y Deporte*, 18(58), 3–25.
<https://doi.org/10.12800/ccd.v18i58.2121>
- Miller, T. A. (2012). *NSCA's Guide to Tests and Assessments*. Human Kinetics.
- Moreno-Díaz, M. I., Vaquero-Solís, M., Tapia-Serrano, M. Á., & Sánchez-Miguel, P. A. (2024). Physical Activity, Body Composition, Physical Fitness, and Body Dissatisfaction in Physical Education of Extremadura Adolescents: An Exploratory Study. *Children*, 11(1). <https://doi.org/10.3390/children11010083>
- Multazam, M., & Syahrial, Z. (2022). Development of Video Tutorial Learning Media on Web Programming Courses Using Hannafin And Peck Model. *Journal of Islamic, Social, Economics and Development*, 7(46), 317–324.
<https://doi.org/10.55573/JISED.074632>
- Muntaner-Mas, A., Mora-Gonzalez, J., Cabanas-Sánchez, V., Pintado, L. B., Salmon, J., Hillman, C. H., Castro-Piñero, J., Perales, J. C., Veiga, O. L., & Esteban-Cornejo, I. (2022). Prospective associations between physical fitness and executive function in adolescents: The UP&DOWN study. *Psychology of Sport and Exercise*, 61(July 2021).
<https://doi.org/10.1016/j.psychsport.2022.102203>
- Mutohir, T. C., Lutan, R., Maksum, A., Kristiyanto, A., & Akbar, R. (2023). *Kebugaran Jasmani dan Generasi Emas 2045* (Issue December).
- Newman, T. J., Kim, M., Tucker, A. R., & Alvarez, M. A. G. (2018). Learning through the adventure of youth sport. *Physical Education and Sport Pedagogy*, 23(3), 280–293.
- Nuri, L., Shadmehr, A., Ghotbi, N., & Attarbashi Moghadam, B. (2013). Reaction time and anticipatory skill of athletes in open and closed skill-dominated sport. *European Journal of Sport Science*, 13(5), 431–436.
- Oktarifaldi, Nopembri, S., Yudanto, & Bin Shahril, M. I. (2024). The fundamental motor skills and motor coordination performance of children in West Sumatera Province, Indonesia. *Pedagogy of Physical Culture and Sports*, 28(1), 4–15.
<https://doi.org/10.15561/26649837.2024.0101>
- Orsega-Smith, E., Mowen, A. J., Payne, L. L., & Godbey, G. (2004). The interaction of stress and park use on psycho-physiological health in older adults. *Journal of Leisure Research*, 36(2), 232–256.
- Orson, C. N., McGovern, G., & Larson, R. W. (2020). How challenges and peers contribute to social-emotional learning in outdoor adventure education programs. *Journal of Adolescence*, 81, 7–18.
<https://doi.org/10.1016/j.adolescence.2020.02.014>
- Ortega, F. B., Cadenas-Sanchez, C., Lee, D., Ruiz, J. R., Blair, S. N., & Sui, X. (2018). Fitness and fatness as health markers through the lifespan: an overview of current knowledge. *Progress in Preventive Medicine*, 3(2), e0013.
- Passy, R., Bentsen, P., Gray, T., & Ho, S. (2019). Integrating outdoor learning into the curriculum: an exploration in four nations. *Curriculum Perspectives*, 39(1),

- 73–78. <https://doi.org/10.1007/s41297-019-00070-8>
- Pate, R. R. (1988). The evolving definition of physical fitness. *Quest, 40*(3), 174–179. <https://doi.org/10.1080/00336297.1988.10483898>
- Pate, R. R., Hillman, C., Janz, K., Katzmarzyk, P. T., Powell, K. E., Torres, A., Whitt-Glover, M. C., & Committee, 2018 Physical Activity Guidelines Advisory. (2019). Physical activity and health in children under 6 years of age: a systematic review. *Medicine and Science in Sports and Exercise, 51*(6), 1282.
- Patton, G. C., Sawyer, S. M., Santelli, J. S., Ross, D. A., Afifi, R., Allen, N. B., Arora, M., Azzopardi, P., Baldwin, W., & Bonell, C. (2016). Our future: a Lancet commission on adolescent health and wellbeing. *The Lancet, 387*(10036), 2423–2478.
- Pérez-Pueyo, Á., Hortigüela-Alcalá, D., & Fernández-Río, J. (2021). *Los modelos pedagógicos en educación física: qué, cómo, por qué y para qué*. Universidad de León.
- Pratama, D., & Sari, Y. P. (2021). Karakteristik Perkembangan Remaja. *Edukasimu.Org, 1*(3), 1–9. <http://edukasimu.org/index.php/edukasimu/article/view/49>
- Priest, S., & Gass, M. (2018). *Effective leadership in adventure programming, 3E*. Human Kinetics.
- Qadah, R. M., Al-Sharman, A., Shalash, R. J., & Arumugam, A. (2024). Are accelerometer-measured sitting and physical activity times associated with muscle mass and strength in healthy young adults in the UAE? *Heliyon, 10*(10). <https://doi.org/10.1016/j.heliyon.2024.e30899>
- Quibell, T., Charlton, J., & Law, J. (2017). Wilderness Schooling: A controlled trial of the impact of an outdoor education programme on attainment outcomes in primary school pupils. *British Educational Research Journal, 43*(3), 572–587.
- Rahmatullah, Alfiani, A. S. M., Inanna, Nurjannah, & Hasan, M. (2022). Desain Pembelajaran Berbasis Profil Pelajar Pancasila Untuk Sekolah Menengah Atas (Studi Kota Makassar). *Jurnal Pemikiran Dan Penelitian Ilmu-Ilmu Sosial, Hukum, & Pengajarannya, XVII*(2), 197–208. <https://doi.org/10.26858/supremasi.v17i2.34704>
- 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>
- Reis, L. N., Reuter, C. P., Burns, R. D., Martins, C. M. de L., Mota, J., Gaya, A. C. A., Silveira, J. F. de C., & Gaya, A. R. (2024). Effects of a physical education intervention on children's physical activity and fitness: the PROFIT pilot study. In *BMC Pediatrics* (Vol. 24, Issue 1, p. 78). <https://doi.org/10.1186/s12887-024-04544-1>
- Rhodes, R. E., Warburton, D. E. R., & Murray, H. (2009). Characteristics of physical activity guidelines and their effect on adherence: A review of randomized trials. *Sports Medicine, 39*(5), 355–375. <https://doi.org/10.2165/00007256-200939050-00003>
- Robergs, R. A., & Landwehr, R. (2002). The surprising history of the “HRmax=220-age” equation. *Journal of Exercise Physiology Online, 5*(2), 1–10.
- Rose, J., & Cachelin, A. (2013). Critical Sustainability: Promoting Pedagogies of

- Placefulness in Outdoor Education. *Journal of Sustainability Education*, 5(May).
- Rose, L., Williams, I. R., Olsson, C. A., & Allen, N. B. (2018). Promoting adolescent health and well-being through outdoor youth programs: Results from a multisite Australian study. *Journal of Outdoor Recreation, Education, and Leadership*, 10(1).
- Salaj, S., & Markovic, G. (2011). Specificity of jumping, sprinting, and quick change-of-direction motor abilities. *The Journal of Strength & Conditioning Research*, 25(5), 1249–1255.
- Sarivaara, E., Keskitalo, P., Korte, S.-M., Lakkala, S., & Kunnari, A. (2022). Let'S Go Out! a Group-Based Intervention in Outdoor Adventure Education As a Special Educational Support. In *European Journal of Education Studies* (Vol. 9, Issue 9). Open Access Publishing Group. <https://doi.org/10.46827/ejes.v9i9.4443>
- Sawyer, S. M., Azzopardi, P. S., Wickremarathne, D., & Patton, G. C. (2018). The age of adolescence. *The Lancet Child and Adolescent Health*, 2(3), 223–228. [https://doi.org/10.1016/S2352-4642\(18\)30022-1](https://doi.org/10.1016/S2352-4642(18)30022-1)
- Scanlan, A., Humphries, B., Tucker, P. S., & Dalbo, V. (2014). The influence of physical and cognitive factors on reactive agility performance in men basketball players. *Journal of Sports Sciences*, 32(4), 367–374.
- Schroth, S. T. (2023). *Outdoor Education: A Pathway to Experiential, Environmental, and Sustainable Learning*. Springer Nature.
- Schwamberger, B., & Sinelnikov, O. (2015). Connecting Physical Education to Out-of-school Physical Activity through Sport Education. *Journal of Physical Education, Recreation & Dance*, 86(9), 39–44. <https://doi.org/10.1080/07303084.2015.1085344>
- Sember, V., Đurić, S., Starc, G., Leskošek, B., Sorić, M., Kovač, M., & Jurak, G. (2023). Secular trends in skill-related physical fitness among Slovenian children and adolescents from 1983 to 2014. In *Scandinavian Journal of Medicine and Science in Sports* (Vol. 33, Issue 11, pp. 2323–2339). <https://doi.org/10.1111/sms.14456>
- SERİN, E. (2021). the Effects of Weekly Physical Education Plus Conditioning Program on the Physic. *International Journal of Eurasian Education and Culture*, 6(13), 1343–1367. <https://doi.org/10.35826/ijoecc.396>
- Sheppard, J. M., Young, W. B., Doyle, T. L. A., Sheppard, T. A., & Newton, R. U. (2006). An evaluation of a new test of reactive agility and its relationship to sprint speed and change of direction speed. *Journal of Science and Medicine in Sport*, 9(4), 342–349.
- Shynkarova, O. (2023). Fitness technologies as a means of increasing motor activity and physical fitness of students of higher education. *Bulletin of Luhansk Taras Shevchenko National University*, 154–162. [https://doi.org/10.12958/2227-2844-2023-3\(357\)-154-162](https://doi.org/10.12958/2227-2844-2023-3(357)-154-162)
- Simanjuntak, H., Anggraini, P. N., Siburian, M. E., Pebrianti, A. D., & Kemuning, A. S. (2023). KONSEP MODEL PENGEMBANGAN INSTRUKSIONAL DALAMMENGEMBANGKAN MODUL AJAR. *Sindoro Cendikia Pendidikan*, 2(6), 10–20. <https://doi.org/10.9644/scp.v1i1.332>
- Simkin, J., Ojala, A., & Tyrväinen, L. (2020). Restorative effects of mature and young commercial forests, pristine old-growth forest and urban recreation

- forest-A field experiment. *Urban Forestry & Urban Greening*, 48, 126567.
- Šimonová, B., & Vladovičová, N. (2010). Pohybové aktivity detí vo voľnom čase. *M. Majherová (Ed.), Telesná Výchova–Prostriedok Vytvárania Vzťahu Mladej Generácie k Pohybu a Športu: 1. Ročník Vedeckej Konferencie*, 143–147.
- Son, J. S., Mackenzie, S. H., Eitel, K., & Luvaas, E. (2017). a critical look. *Journal of Outdoor and Environmental Education*, 20(2), 32–44. <https://doi.org/10.1007/BF03401012>
- Steff, N., Badau, D., & Badau, A. (2024). Improving Agility and Reactive Agility in Basketball Players U14 and U16 by Implementing Fitlight Technology in the Sports Training Process. *Applied Sciences (Switzerland)*, 14(9), 1–18. <https://doi.org/10.3390/app14093597>
- Stoica, L., & Bădău, D. (2019). The structure of outdoor adventure education programs and their regional distribution in Romania. *Health, Sports & Rehabilitation Medicine*, 20(3), 134–138. <https://doi.org/10.26659/pm3.2019.20.3.134>
- Stoica, L., Enoiu, R. S., & Bădău, D. (2019). Functions of outdoor adventure education programs. *Health, Sports & Rehabilitation Medicine*, 20(1), 35–38. <https://doi.org/10.26659/pm3.2019.20.1.35>
- Sufyadi, S., Harjatanaya, T. Y., Adiprima, P., Satria, M. R., Andiarti, A., & Herutami, I. et al. (2021). Panduan pengembangan projek penguatan profil pelajar Pancasila jenjang pendidikan dasar dan menengah (SD/MI, SMP/MTs, SMA/MA). In *Kemendikbudristek*. <http://ditpsd.kemdikbud.go.id/hal/profil-pelajar-pancasila>
- Sugiyono. (2016). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D* (23rd ed.). Alfabeta.
- Sukmawati, N., Selvi Melianty, Selvi Atesya Kesumawati, & Fanni Nur Rahma. (2023). The Effectiveness of Student Gymnastics in 2022 on Improving Physical Fitness. *Kinestetik : Jurnal Ilmiah Pendidikan Jasmani*, 7(3), 788–796. <https://doi.org/10.33369/jk.v7i3.29857>
- Sulfa, M., Lubis, J., & Rihatno, T. (2024). *Pencak silat reaction speed training model: training for pencak silat athletes aged 17 — 21 years* *Modelo de entrenamiento de la velocidad de reacción en pencak silat: entrenamiento para atletas de pencak silat de entre 17 y 21 años*. 2041, 740–746.
- Suprapto, E., Saryanto, S., Sumiharsono, R., & Ramadhan, S. (2020). The Analysis of Instrument Quality to Measure the Students' Higher Order Thinking Skill in Physics Learning. *Journal of Turkish Science Education*, 17(4), 520–527. <https://doi.org/10.36681/tused.2020.42>
- Syväöja, H. J., Kankaanpää, A., Hakonen, H., Inkinen, V., Kulmala, J., Joensuu, L., Räsänen, P., Hillman, C. H., & Tammelin, T. H. (2021). How physical activity, fitness, and motor skills contribute to math performance: Working memory as a mediating factor. *Scandinavian Journal of Medicine & Science in Sports*, 31(12), 2310–2321.
- Tang, H., Wang, J., Bao, J., & Zhang, L. (2024). Physical fitness decline and career paths: a longitudinal study of medical undergraduates. In *BMC Medical Education* (Vol. 24, Issue 1, p. 513). <https://doi.org/10.1186/s12909-024-05493-0>
- Tangkudung, J. (2016). *Macam-macam metodologi penelitian uraian dan contohnya*. Lensa Media Pustaka Indonesia.

- True, L., Martin, E. M., Pfeiffer, K. A., Siegel, S. R., Branta, C. F., Haubenstricker, J., & Seefeldt, V. (2021). Tracking of Physical Fitness Components from Childhood to Adolescence: A Longitudinal Study. *Measurement in Physical Education and Exercise Science*, 25(1), 22–34. <https://doi.org/10.1080/1091367X.2020.1729767>
- Tyrväinen, L., Ojala, A., Korpela, K., Lanki, T., Tsunetsugu, Y., & Kagawa, T. (2014). The influence of urban green environments on stress relief measures: A field experiment. *Journal of Environmental Psychology*, 38, 1–9.
- Usra, M., Lesmana, I. B., Octara, K., Bayu, W. I., Badau, A., Ishak, A., Setiawan, E., & Beby, C. (2024). Augmented Reality Training on Combat Sport: Improving the Quality of Physical Fitness and Technical Performance of Young Athletes. *Retos*, 54(March), 835–843. <https://doi.org/10.47197/RETOS.V54.103743>
- Vallentyne, P. (2005). Capabilities vs. Opportunities for Well-being. *Philosophy Publications*.
- Vašková, M., Dzugas, D., Chovanová, E., & Majherová, M. (2022). Improving Physical Fitness Levels Among 6- and 7-Year-Old Children as a Result of Physical and Sports Education. *Acta Facultatis Educationis Physicae Universitatis Comenianae*, 62(2), 154–165. <https://doi.org/10.2478/afepuc-2022-0014>
- Veraksa, A., Tvardovskaya, A., Gavrilova, M., Yakupova, V., & Musálek, M. (2021). Associations between executive functions and physical fitness in preschool children. *Frontiers in Psychology*, 12, 674746.
- Versic, S., Pehar, M., Modric, T., Pavlinovic, V., Spasic, M., Uljevic, O., Corluka, M., Sattler, T., & Sekulic, D. (2021). Bilateral symmetry of jumping and agility in professional basketball players: Differentiating performance levels and playing positions. *Symmetry*, 13(8), 1316.
- Volaklis, K. A., Halle, M., & Meisinger, C. (2015). Muscular strength as a strong predictor of mortality: A narrative review. In *European Journal of Internal Medicine* (Vol. 26, Issue 5, pp. 303–310). <https://doi.org/10.1016/j.ejim.2015.04.013>
- Volovyk, N., & Pidvalna, O. (2024). Fitness-yoga – as an effective means of improving the physical and mental health of children and youth. *Scientific Journal of National Pedagogical Dragomanov University. Series 15. Scientific and Pedagogical Problems of Physical Culture (Physical Culture and Sports)*, 3K(176), 166–170. [https://doi.org/10.31392/udu-nc.series15.2024.3k\(176\).35](https://doi.org/10.31392/udu-nc.series15.2024.3k(176).35)
- Von Hertzen, L., Hanski, I., & Haahtela, T. (2011). Natural immunity: biodiversity loss and inflammatory diseases are two global megatrends that might be related. *EMBO Reports*, 12(11), 1089–1093.
- Vukasevic, V., Mitrovic, M., & Masanovic, B. (2020). A comparative study of motor ability between elite basketball players from different regions. *Sport Mont*, 18(1), 3–7.
- Wang, J. W., Zhu, Z., Shuling, Z., Fan, J., Jin, Y., Gao, Z., Le, Chen, W. Di, & Li, X. (2024). Effectiveness of mHealth App-Based Interventions for Increasing Physical Activity and Improving Physical Fitness in Children and Adolescents: Systematic Review and Meta-Analysis. In *JMIR mHealth and uHealth* (Vol. 12, p. e51478). <https://doi.org/10.2196/51478>
- Wang, X. (2024). Physical Activities and Psychological Needs of Physical

- Education Students. *International Journal of Social Sciences and Public Administration*, 3, 132–141. <https://doi.org/10.62051/ijsspa.v3n2.16>
- Warner, R. P., Meerts-Brandsma, L., & Rose, J. (2020). Neoliberal ideologies in outdoor adventure education: Barriers to social justice and strategies for change. *Journal of Park and Recreation Administration*, 38(3), 77–92. <https://doi.org/10.18666/JPRA-2019-9609>
- Werneck, A. O., Collings, P. J., Barboza, L. L., Stubbs, B., & Silva, D. R. (2019). Associations of sedentary behaviors and physical activity with social isolation in 100,839 school students: The Brazilian Scholar Health Survey. *General Hospital Psychiatry*, 59, 7–13. <https://doi.org/https://doi.org/10.1016/j.genhosppsych.2019.04.010>
- White, M. P., Alcock, I., Grellier, J., Wheeler, B. W., Hartig, T., Warber, S. L., Bone, A., Depledge, M. H., & Fleming, L. E. (2019). Spending at least 120 minutes a week in nature is associated with good health and wellbeing. *Scientific Reports*, 9(1), 7730. <https://doi.org/10.1038/s41598-019-44097-3>
- Whittington, A., & Aspelmeier, J. E. (2018). Resilience, peer relationships, and confidence: Do girls' programs promote positive change? *Journal of Outdoor Recreation, Education, and Leadership*, 10(2).
- WHO. (2015). *Global technical strategy for malaria 2016-2030*. World Health Organization.
- Wiecha, S., Kasiak, P. S., Cieśliński, I., Takken, T., Palka, T., Knechtle, B., Nikolaidis, P., Małek, Ł. A., Postuła, M., Mamcarz, A., & Śliż, D. (2023). External validation of VO₂max prediction models based on recreational and elite endurance athletes. *PLoS ONE*, 18(1 January). <https://doi.org/10.1371/journal.pone.0280897>
- Williams, A., & Wainwright, N. (2020). Re-thinking adventurous activities in physical education: models-based approaches. In *Journal of Adventure Education and Outdoor Learning* (Vol. 20, Issue 3, pp. 217–229). Informa UK Limited. <https://doi.org/10.1080/14729679.2019.1634599>
- Williams, I. R., Rose, L. M., Raniti, M. B., Waloszek, J., Dudgeon, P., Olsson, C. A., Patton, G. C., & Allen, N. B. (2018). The impact of an outdoor adventure program on positive adolescent development: a controlled crossover trial. *Journal of Outdoor and Environmental Education*, 21(2), 207–236. <https://doi.org/10.1007/s42322-018-0015-8>
- Williams, J. G. P. (2013). *Medical Aspects of Sport and Physical Fitness: The Commonwealth and International Library: Physical Education, Health and Recreation Division*. Pergamon Press Ltd.
- Wong, M. Y. C., Ou, K. ling, Wong, W. S., Hon, S. S., & Chung, P. K. (2024). Physical fitness levels and trends of kindergarteners in Hong Kong during the COVID-19 pandemic. In *Journal of Exercise Science and Fitness* (Vol. 22, Issue 3, pp. 202–207). <https://doi.org/10.1016/j.jesf.2024.03.003>
- Yadav, G., & Duque, J. (2023). Reflecting on what is “skill” in human motor skill learning. *Frontiers in Human Neuroscience*, 17(July). <https://doi.org/10.3389/fnhum.2023.1117889>
- Yildiz, K. (2022). Experiential learning from the perspective of outdoor education leaders. *Journal of Hospitality, Leisure, Sport & Tourism Education*, 30, 100343.
- Young, W. B., Dawson, B., & Henry, G. J. (2015). Agility and change-of-direction

- speed are independent skills: Implications for training for agility in invasion sports. *International Journal of Sports Science & Coaching*, 10(1), 159–169.
- Zhou, T. (2024). The role of pre-service physical education teachers in physical education – A bibliometric and systematic review. In *Heliyon* (Vol. 10, Issue 7). <https://doi.org/10.1016/j.heliyon.2024.e28702>
- Zhou, X., Li, J., & Jiang, X. (2024). Effects of different types of exercise intensity on improving physical health in children and adolescents: A systematic review. *Scientific Reports*, 14. <https://doi.org/10.1038/s41598-024-64830-x>
- Гончарук, Я. А., Ильин, А. В., Чуканова, Е. К., & Черкасова, Е. В. (2024). Physical education as a necessary factor of physical fitness and health promotion. *Review of Pedagogical Research*, 6, 169–174. <https://doi.org/10.5822/2687-0428-2024-6-1-169-174>

