

DAFTAR PUSTAKA

- Abdul, salam, hidayat, Firmansyah, D., & Sofyan, H. (2021). Pengembangan Model, Pembelajaran atletik nomor lari berbasis permainan pada siswa sekolah dasar. *Jurnal Abdi Pendidikan*, 03(1).
- Abuhassna, H., Alnawajha, S., Awae, F., Mohamed Adnan, M. A. Bin, & Edwards, B. I. (2024). Synthesizing technology integration within the Addie model for instructional design: A comprehensive systematic literature review. *Journal of Autonomous Intelligence*, 7(5), 1546. <https://doi.org/10.32629/jai.v7i5.1546>
- Adetayo, J. O. (2014). Assessing the affective behaviours in learners. *Journal of Education and Practice*, 5(16).
- Adhi, B. P., Sugiharto, & Soenyoto, T. (2017). Pengaruh Latihan dan kekuatan Otot Tungkai terhadap Power Otot Tungkai. *JPES (Journal of Physical Education and Sports)*, 6(1).
- Agnes Devita Maeswaty, Effy Mulyasari, E. R. (2023). Pengembangan Media Pembelajaran Flashcard Menggunakan Aplikasi Canva Pada Materi Membaca Permulaan Siswa Kelas I SD Agnes. *Jurnal Pendidikan Guru Sekolah Dasar*, 8(Agustus).
- Aguayo, B. B., Ruano, C. A., & Vallejo, A. P. (2021). Multiple intelligences: Educational and cognitive development with a guiding focus. *South African Journal of Education*, 41(2). <https://doi.org/10.15700/saje.v41n2a1828>
- Agus Suryobroto. (2001). Diktat Teknologi Pembelajaran Pendidikan Jasmani. *Yogyakarta FIK UNY*, 15.
- Aji, S. (2016). Buku Olahraga Paling Lengkap - Sukma Aji - Google Buku. In *Ilmu*.
- Akbulut, T., & Agopyan, A. (2015). Effects of an Eight-Week Proprioceptive Neuromuscular Facilitation Stretching Program on Kicking Speed and Range of Motion in Young Male Soccer Players. *Journal of Strength and Conditioning Research*, 29(12). <https://doi.org/10.1519/JSC.0000000000001015>
- Akpan, B., & Kennedy, T. J. (2020). Science Education in Theory and Practice: An Introductory guide to Learning Theory. In *Springer Texts in Education*.
- Al-Kattatl, S. H. K., Habeeb, R. R., & Mohammed, A. R. (2019). An ASSURE-model instructional design based on active learning strategies and its effect for 1st intermediate student's higher order thinking skills in teaching science text book. *Psikologija*, 52(5).
- Almeida, J., Sarmiento, H., Kelly, S., & Travassos, B. (2019). Coach decision-making in Futsal: from preparation to competition. *International Journal of Performance Analysis in Sport*, 19(5). <https://doi.org/10.1080/24748668.2019.1648717>
- Alpert, Shannon. A. (1998). Book review: Survey of Instructional development models. *Performance Improvement*, 37(5).
- AL-Qadri, A. H., Zhao, W., Li, M., Al-khresheh, M., & Boudouaia, A. (2022). Emotional Intelligence Scale for International Students: A Proposal for a

- Developed Version. *Frontiers in Education*, 7. <https://doi.org/10.3389/feduc.2022.853303>
- Amaluddin, L. O., Rahmat, Surdin, Ramadhan, M. I., Hidayat, D. N., Sejati, A. E., Saputra, I. G. P. E., & Fayanto, S. (2019). The effectiveness of outdoor learning in improving spatial intelligence. *Journal for the Education of Gifted Young Scientists*, 7(3). <https://doi.org/10.17478/jegys.613987>
- Amir Supriadi. (2022). The Relationship between Leg Muscle Strength and Back Muscle Flexibility on Shooting Results of Futsal Athletes. *Jurnal Pendidikan Jasmani (JPJ)*, 3(1). <https://doi.org/10.55081/jpj.v3i1.595>
- An, H., & Kim, J. (2023). Design of a Hyper-Casual Futsal Mobile Game Using a Machine-Learned AI Agent-Player. *Applied Sciences (Switzerland)*, 13(4). <https://doi.org/10.3390/app13042071>
- Andersen, M. H., Ottesen, L., & Thing, L. F. (2019). The social and psychological health outcomes of team sport participation in adults: An integrative review of research. In *Scandinavian Journal of Public Health* (Vol. 47, Issue 8). <https://doi.org/10.1177/1403494818791405>
- Andrew, M., Baptiste, G. Z., Reeves, M. J., Roberts, S. J., McRobert, A. P., & Ford, P. R. (2022). The developmental activities of skilled youth CONCACAF soccer players and the contribution of their development system. *International Journal of Sports Science and Coaching*, 17(6). <https://doi.org/10.1177/17479541211061036>
- Ansarin, A. A., & Khatibi, S. P. (2018). The Relationship Between Multiple Intelligences and Language Learning Strategies and Gender. *English Language Teaching*, 11(5). <https://doi.org/10.5539/elt.v11n5p84>
- Anvari, S. H., Trainor, L. J., Woodside, J., & Levy, B. A. (2002). Relations among musical skills, phonological processing, and early reading ability in preschool children. *Journal of Experimental Child Psychology*, 83(2). [https://doi.org/10.1016/S0022-0965\(02\)00124-8](https://doi.org/10.1016/S0022-0965(02)00124-8)
- Araújo, D., Couceiro, M., Seifert, L., Sarmiento, H., & Davids, K. (2021). Artificial intelligence in sport performance analysis. In *Artificial Intelligence in Sport Performance Analysis*. <https://doi.org/10.4324/9781003163589>
- Ariyanti, I. (2022). PENGEMBANGAN MULTIMEDIA PEMBELAJARAN UNTUK PESERTA DIDIK DI TINGKAT TAMAN KANAK-KANAK. *Educational Technology Journal*, 2(1). <https://doi.org/10.26740/etj.v2n1.p34-44>
- Artess, J., Hooley, T., & Mellors-Bourne, R. (2016). Employability: A review of the literature 2012 to 2016. *Higher Education Academy*.
- Ary, D., Jacobs, L. C., & Razavieh, A. (2010). Introduction to research in education 8th edition, Wardsworth Cengage Learning. *Canada: Nelson Education Ltd Exotic Classic*.
- Aryanto, U. (2021). Penelitian Pengembangan Model ADDIE dan R2D2 :Teori dan Praktek. *Metode Penelitian*.
- Ashford, M., Abraham, A., & Poolton, J. (2021). What Cognitive Mechanism, When, Where, and Why? Exploring the Decision Making of University and Professional

- Rugby Union Players During Competitive Matches. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.609127>
- Asim. (2002). Sistematika Penelitian Pengembangan. *Malang: UNM Press*, 1.
- Aspers, P., & Corte, U. (2019). What is Qualitative in Qualitative Research. *Qualitative Sociology*, 42(2). <https://doi.org/10.1007/s11133-019-9413-7>
- ASRIN, A. (2022). METODE PENELITIAN EKSPERIMEN. *Maqasiduna: Journal of Education, Humanities, and Social Sciences*, 2(01). <https://doi.org/10.59174/mqs.v2i01.24>
- Azamat Orunbayev. (2023). GLOBALIZATION AND SPORTS INDUSTRY. *American Journal Of Social Sciences And Humanity Research*, 3(11).
- Azzahra, A. F., Nurhasanah, N., & Yarmi, G. (2023). PENGEMBANGAN BAHAN AJAR WORDLESS PICTURE BOOK DIGITAL BERBASIS NILAI KARAKTER DALAM PEMBELAJARAN PENDIDIKAN PANCASILA DAN KEWARGANEGARAAN KELAS III SEKOLAH DASAR. *JS (JURNAL SEKOLAH)*, 7(1). <https://doi.org/10.24114/js.v7i1.38527>
- Babbie, E. (2016). The Practice of Social Research, 14th Edition. *Teaching Sociology*.
- Badaru, B. (2017). Latihan Taktik Beyb (Bermain Futsal Modern). In *Book* (Vol. 1).
- Bader, C. M. (2018). Sport psychology. In *Orthopaedic Knowledge Update: Sports Medicine* 5. <https://doi.org/10.1177/0011000095233010>
- Baharuddin, E., & Ismail, Z. (2014). Definisi dan Konsep Kecerdasan Ruhaniah Menurut Perspektif Sarjana Islam. *Jurnal Penyelidikan Islam Jakim* 26, 53(9).
- Bailey, R., Collins, D., Ford, P., MacNamara, a, Toms, M., & Pearce, G. (2010). Participant development in sport: An academic review. *Sports Coach UK*, 4(March).
- BAJA, F. R. (2021). Pengembangan Model Aktivitas Fisik Ketika Pandemi Sebagai Upaya Menjaga Kebugaran Jasmani Peserta Didik Sekolah Menengah Atas. *Gastronomía Ecuatoriana y Turismo Local.*, 1(69).
- Baker, R. E., & Esherrick, C. (2013). Fundamentals of Sport Management. In *Fundamentals of Sport Management*. <https://doi.org/10.5040/9781492595533>
- Barbieri, R. A., Zagatto, A. M., Milioni, F., & Barbieri, F. A. (2016). Specific futsal training program can improve the physical performance of futsal players. *Sport Sciences for Health*, 12(2). <https://doi.org/10.1007/s11332-016-0283-z>
- Barron, D. J., Collins, D., & Carling, C. (2020). Match performance in a reference futsal team during an international tournament - implications for talent development in soccer Christopher Yiannaki. *Biology of Sport*, 37(2), 147–156. <https://doi.org/10.5114/BIOLSPORT.2020.93040>
- Benson, J., & Clark, F. (1982). A guide for instrument development and validation. *American Journal of Occupational Therapy*, 36(12). <https://doi.org/10.5014/ajot.36.12.789>
- Berdejo-del-Fresno, D., Moore, R., & W. Laupheimer, M. (2015). VO₂max Changes in English Futsal Players after a 6-Week Period of Specific Small-Sided Games Training. *American Journal of Sports Science and Medicine*, 3(2), 28–34. <https://doi.org/10.12691/ajssm-3-2-1>

- Bird, S. R. (2018). Research Methods in Physical Activity and Health. In *Research Methods in Physical Activity and Health*. <https://doi.org/10.4324/9781315158501>
- Bloom, B. S., & Krathwohl, D. R. (1956). Taxonomy of Educational Objectives: The Classification of Educational Goals. In *Handbook I: Cognitive Domain*.
- Boateng, G. O., Neilands, T. B., Frongillo, E. A., Melgar-Quinonez, H. R., & Young, S. L. (2018). Best Practices for Developing and Validating Scales for Health, Social, and Behavioral Research: A Primer. In *Frontiers in Public Health* (Vol. 6). <https://doi.org/10.3389/fpubh.2018.00149>
- Book Reviews. (1981). *Journal of Physical Education and Recreation*, 52(2). <https://doi.org/10.1080/00971170.1981.10629067>
- Borg, W. R., & Gall, M. D. (1983). Educational Research an Introduction fourth edition. *Longman Inc*, 1(1).
- Borges, L., Dermargos, A., Gorjão, R., Cury-Boaventura, M. F., Hirabara, S. M., Abad, C. C., Pithon-Curi, T. C., Curi, R., Barros, M. P., & Hatanaka, E. (2022). Updating futsal physiology, immune system, and performance. In *Research in Sports Medicine* (Vol. 30, Issue 6). <https://doi.org/10.1080/15438627.2021.1929221>
- Bougie, R., & Sekaran, U. (2020). Research Methods for Business A Skill-Building Approach Eight Edition. In *John Wiley & Sons Ltd*.
- Brinkerhoff, D. A. (2001). Survey of instructional development models, third edition. *TechTrends*, 45(1). <https://doi.org/10.1007/bf02763388>
- Budal Arins, F., Cesar do Nascimento Salvador, P., José Carminatti, L., & Guilherme Antonacci Guglielmo, L. (2015). Physiological characteristics, evaluation and prescription of aerobic training in Futsal. *Revista Brasileira de Cineantropometria e Desempenho Humano*, 17(16). <https://doi.org/10.5007/1980-0037.2015v17n6p753>
- Budiyono. (2015). Pengantar Penilaian Hasil Belajar. In *UNS Press*.
- Bull, F. C., Al-Ansari, S. S., Biddle, S., Borodulin, K., Buman, M. P., Cardon, G., Carty, C., Chaput, J. P., Chastin, S., Chou, R., Dempsey, P. C., Dipietro, L., Ekelund, U., Firth, J., Friedenreich, C. M., Garcia, L., Gichu, M., Jago, R., Katzmarzyk, P. T., ... Willumsen, J. F. (2020). World Health Organization 2020 guidelines on physical activity and sedentary behaviour. In *British Journal of Sports Medicine* (Vol. 54, Issue 24). <https://doi.org/10.1136/bjsports-2020-102955>
- Buttussi, F., & Chittaro, L. (2008). MOPET: A context-aware and user-adaptive wearable system for fitness training. *Artificial Intelligence in Medicine*, 42(2). <https://doi.org/10.1016/j.artmed.2007.11.004>
- Caglayan, A., Erdem, K., Colak, V., & Ozbar, N. (2018). The Effects of Trainings with Futsal Ball on Dribbling and Passing Skills on Youth Soccer Players. *International Journal of Applied Exercise Physiology*, 7(3). <https://doi.org/10.30472/ijaep.v7i3.282>
- Cahyadi, R. A. H. (2019). Pengembangan Bahan Ajar Berbasis Addie Model. *Halaqa: Islamic Education Journal*, 3(1). <https://doi.org/10.21070/halaqa.v3i1.2124>

- Calero, M. D., Mata, S., Bonete, S., Molinero, C., & Mar Gómez-Pérez, M. (2015). Relations between learning potential, cognitive and interpersonal skills in Asperger children. *Learning and Individual Differences*, 44. <https://doi.org/10.1016/j.lindif.2015.07.004>
- Caliskan, H. (2020). Book Review: Instructional Design Theories and Models -A New Paradigm of Instructional Theory. *Contemporary Educational Technology*, 1(3). <https://doi.org/10.30935/cedtech/6033>
- Campo, M., Laborde, S., & Mosley, E. (2016a). Emotional Intelligence Training in Team Sports. *Journal of Individual Differences*, 37(3). <https://doi.org/10.1027/1614-0001/a000201>
- Campo, M., Laborde, S., & Mosley, E. (2016b). Emotional intelligence training in team sports: The influence of a season long intervention program on trait emotional intelligence. *Journal of Individual Differences*, 37(3). <https://doi.org/10.1027/1614-0001/a000201>
- Cao, B., Zeng, X., & Luo, L. (2023). EFFECTS OF STRENGTH TRAINING ON PHYSICAL CONDITIONING IN SOCCER PLAYERS. *Revista Brasileira de Medicina Do Esporte*, 29. https://doi.org/10.1590/1517-8692202329012022_0673
- Castagna, C., Impellizzeri, F., Cecchini, E., Rampinini, E., & Alvarez, J. C. B. (2009). Effects of intermittent-endurance fitness on match performance in young male soccer players. *Journal of Strength and Conditioning Research*, 23(7), 1954–1959. <https://doi.org/10.1519/JSC.0b013e3181b7f743>
- Castro-Sánchez, M., Zurita-Ortega, F., Ubago-Jiménez, J. L., González-Valero, G., García-Mármol, E., & Chacón-Cuberos, R. (2019). Relationships between anxiety, emotional intelligence, and motivational climate among adolescent football players. *Sports*, 7(2). <https://doi.org/10.3390/sports7020034>
- Charland, A., & LeRoux, B. (2011). Mobile application development: Web vs. native. *Communications of the ACM*, 54(5). <https://doi.org/10.1145/1941487.1941504>
- Chatib Munif, S. I. (2012). Gurunya Manusia. In *menjadikan Semua Anak Istimewa dan Semua Anak Juara*.
- Clark, R. (2003). Physiological Aspects of Sports Training and Performance. *Physiotherapy*, 89(1). [https://doi.org/10.1016/s0031-9406\(05\)60682-7](https://doi.org/10.1016/s0031-9406(05)60682-7)
- Cochrane, D. J., & Stannard, S. R. (2005). Acute whole body vibration training increases vertical jump and flexibility performance in elite female field hockey players. *British Journal of Sports Medicine*, 39(11). <https://doi.org/10.1136/bjsm.2005.019950>
- Cohen, L., Manion, L., & Morrison, K. (2017). Research Methods in Education. In *Research Methods in Education*. <https://doi.org/10.4324/9781315456539>
- Cong, W., & Li, P. (2022). The Relationship Between EFL Learners' Communication Apprehension, Self-Efficacy, and Emotional Intelligence. In *Frontiers in Psychology* (Vol. 13). <https://doi.org/10.3389/fpsyg.2022.847383>

- Côté, J., & Gilbert, W. (2009). An Integrative Definition of Coaching Effectiveness and Expertise. *International Journal of Sports Science & Coaching*, 4(3). <https://doi.org/10.1260/174795409789623892>
- Côté, J., & Hancock, D. J. (2016). Evidence-based policies for youth sport programmes. *International Journal of Sport Policy*, 8(1). <https://doi.org/10.1080/19406940.2014.919338>
- Creswell, J. W. (2014). Research Design: Qualitative, Quantitative and Mixed Methods Approaches (4th ed.). Thousand Oaks, CA: Sage. In *Universitas Nusantara PGRI Kediri* (Vol. 01).
- Crocker, L., & Algina, James. (2008). Introduction to classical and modern test theory- Procedures for Estimating Reliability. In *Harcourt Brace Jovanovich College*.
- Cronin, L. D., & Allen, J. (2018). Examining the relationships among the coaching climate, life skills development and well-being in sport. *International Journal of Sports Science and Coaching*, 13(6). <https://doi.org/10.1177/1747954118787949>
- Cumming, S. P., Cinemre, A., Ünver, E., Ünlü, H. K., Demirci, N., Till, K., Cobley, S. S., O'hara, J., Chapman, C., Cooke, C., da Silva, F., da Silva Cardoso, M., Donizete Siqueira, O., Carlos Garlipp, D., Lovell, T. W. J., Bocking, C. J., Fransen, J., Coutts, A. J., Tribolet, R., ... Lovell, R. (2020). OPTIMAL REACTIVE STRENGTH INDEX: IS IT AN ACCURATE VARIABLE TO OPTIMIZE PLYOMETRIC TRAINING EFFECTS ON MEASURES OF PHYSICAL FITNESS IN YOUNG SOCCER PLAYERS? *JOURNAL OF STRENGTH AND CONDITIONING RESEARCH*, 34(4).
- Daryanto, Z. P., & Effendi, A. R. (2023). Futsal Playing Skill Level of Futsal Extracurricular Participants. *Champions: Education Journal of Sport, Health, and Recreation*, 1(3).
- David, M., Hartati, H., Yusfi, H., Iyakrus, I., & Bayu, W. I. (2022). Development of Learning Videos on Basic Soccer Game Techniques At The Junior High School Education Unit Level. *Syntax Literate ; Jurnal Ilmiah Indonesia*, 8(7). <https://doi.org/10.36418/syntax-literate.v7i10.13105>
- Davis, K., Christodoulou, J., Seider, S., & Gardner, H. (n.d.). *The Theory of Multiple Intelligences*. <https://ssrn.com/abstract=2982593>
- Debanne, T., & Volossovitch, A. (2023). Team Regulatory Strategies and Performance in Elite Handball. *Research Quarterly for Exercise and Sport*, 94(1). <https://doi.org/10.1080/02701367.2021.1948955>
- Dewantoro, M., Mariono, A., & Arianto, F. (2021). Pengembangan Mobile Multimedia Learning Mata Pelajaran Pendidikan Jasmani Olahraga Dan Kesehatan Materi Kombinasi Gerak Berjalan Berlari Dan Meloncat Untuk Siswa Kelas III Di Sekolah Dasar Insan Mulya Driyorejo Kabupten Gresik. *Jurnal Ilmiah Mandala Education*, 7(3). <https://doi.org/10.58258/jime.v7i3.2333>
- Dick W. (2015). The systematic design of instruction 8nd. *Pearson Publising*.
- Dick, W., Carey, L., & Carey, J. O. (2014). *The Systematic Design of Instruction Seventh Edition*.

- Doewes, R. I., Elumalai, G., & Azmi, S. H. (2022). DEVELOPMENT OF A TEST INSTRUMENT TO MEASURE THE BASIC PASS TECHNIQUE IN FUTSAL. *Revista Brasileira de Medicina Do Esporte*, 28(5), 456–459. https://doi.org/10.1590/1517-8692202228052022_0093
- Doewes, R. I., Manshuralhudlari, Adi, P. W., Gontara, S. Y., Hendarto, S., Agustiyanta, Shidiq, A. A. P., & Adirahma, A. S. (2023). PELATIHAN TES DAN PENGUKURAN KONDISI FISIK PADA PELATIH KOTA SURAKARTA MENUJU PORPROV TAHUN 2023. *JURNAL WIDYA LAKSANA*, 12(2). <https://doi.org/10.23887/jwl.v12i2.63192>
- Dong, A. (2023). Analysis on the Steps of Physical Education Teaching Based on Deep Learning. *International Journal of Distributed Systems and Technologies*, 14(2). <https://doi.org/10.4018/IJDST.317937>
- Dos-Santos, J. W., da Silva, H. S., da Silva Junior, O. T., Barbieri, R. A., Penafiel, M. L., da Silva, R. N. B., Milioni, F., Vieira, L. H. P., Coledam, D. H. C., Santiago, P. R. P., & Papoti, M. (2020). Physiology Responses and Players' Stay on the Court During a Futsal Match: A Case Study With Professional Players. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.620108>
- Dr. Drs. Sukendro, M.Kes, . AIFO. (2020). PENGEMBANGAN MEDIA PEMBELAJARAN OLAHRAGA LOMPAT JAUH PADA SISWA KELAS VIII SMP NEGERI 18 KOTA JAMBI. *Jurnal Pedagogik Olahraga*, 03(July).
- Duarte, R., Araújo, D., Correia, V., & Davids, K. (2012). Sports Teams as Superorganisms. *Sports Medicine*. <https://doi.org/10.2165/11632450-000000000-00000>
- Duncan, L. R., Latimer-Cheung, A. E., & Brackett, M. A. (2014). Emotional intelligence: A framework for examining emotions in sport and exercise groups. In *Group Dynamics in Exercise and Sport Psychology*. <https://doi.org/10.4324/9780203794937-1>
- ERDOĞAN, O., & ÖĞDEM, Z. (2023). Hayat Boyu Öğrenme Çalışmalarına Bibliyometrik Bir Bakış: Dünyadaki ve Türkiye'deki Durum. *Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi*, 43(3). <https://doi.org/10.17152/gefad.1263754>
- Ericsson, K. A. (2012). The Influence of Experience and Deliberate Practice on the Development of Superior Expert Performance. In *The Cambridge Handbook of Expertise and Expert Performance*. <https://doi.org/10.1017/cbo9780511816796.038>
- Evans, D. (2017). MyFitnessPal. In *British Journal of Sports Medicine* (Vol. 51, Issue 14). <https://doi.org/10.1136/bjsports-2015-095538>
- Evenepoel, C., Clevers, E., Deroover, L., van Loo, W., Matthys, C., & Verbeke, K. (2020). Accuracy of Nutrient Calculations Using the Consumer-Focused Online App MyFitnessPal: Validation Study. *Journal of Medical Internet Research*, 22(10). <https://doi.org/10.2196/18237>
- Fajar, D. A. (2020). Penggunaan Media Visual dalam Pendidikan Jasmani dan Kesehatan. *Indonesian Journal of Instructional Media and Model*, 2(1). <https://doi.org/10.32585/ijimm.v2i1.627>

- Fallis, A. G. (2013). the Psychophysical Effects of Music in Sport and Exercise: a Review. *Journal of Chemical Information and Modeling*, 53(9).
- Fenanlampir, A. (2020). Ilmu Kepelatihan Olahraga. In *SPORTIF: Jurnal Pendidikan Jasmani, Kesehatan, dan Rekreasi* (Vol. 7, Issue 2).
- Fernández-Gavira, J., Castro-Donado, S., Medina-Rebollo, D., & Bohórquez, M. R. (2022). Development of emotional competencies as a teaching innovation for higher education students of physical education. *Sustainability (Switzerland)*, 14(1). <https://doi.org/10.3390/su14010300>
- Ferrero, M., Vadillo, M. A., & León, S. P. (2021). A valid evaluation of the theory of multiple intelligences is not yet possible: Problems of methodological quality for intervention studies. In *Intelligence* (Vol. 88). <https://doi.org/10.1016/j.intell.2021.101566>
- Festiawan, R. (2020). Pendekatan Teknik dan Taktik: Pengaruhnya terhadap Keterampilan Bermain Futsal. *Gelanggang Olahraga: Jurnal Pendidikan Jasmani Dan Olahraga (JPJO)*, 3(2). <https://doi.org/10.31539/jpjo.v3i2.1080>
- FIFA. (2020). Futsal Laws of the game (2020/21. *Video Game Policy*, 2020(April).
- Fink, A. & B. (2016). How to Conduct Surveys: A Step-by-Step Guide. Sixth Edition. *SAGE Publications Ltd (CA)*, December 2015.
- Fithian, E. (2001). Intelligence reframed: Multiple intelligences for the 21st century. *Gifted and Talented International*, 16(2). <https://doi.org/10.1080/15332276.2001.11672976>
- Fitria, L. (2020). Model Pengembangan Pembinaan Profesi Guna Peningkatan Kompetensi Penilik. *Journal Of Early Childhood Islamic Education*, 3(2).
- Fraser-Thomas, J. L., Côté, J., & Deakin, J. (2005). Youth sport programs: an avenue to foster positive youth development. *Physical Education & Sport Pedagogy*, 10(1). <https://doi.org/10.1080/1740898042000334890>
- Friyatmi, F., Mardapi, D., & Haryanto, H. (2020). ASSESSING STUDENTS' HIGHER ORDER THINKING SKILLS USING MULTIDIMENSIONAL ITEM RESPONSE THEORY. *Problems of Education in the 21st Century*, 78(2). <https://doi.org/10.33225/pec/20.78.196>
- Fryer, D. (2006). The Sage Handbook of Qualitative Research[1]. In *Qualitative Research in Organizations and Management: An International Journal* (Vol. 1, Issue 1). <https://doi.org/10.1108/17465640610666642>
- Fukuda, D. H. (2019). Assessments for Sport and Athletic Performance. In *Assessments for Sport and Athletic Performance*. <https://doi.org/10.5040/9781492595243>
- Fuller, D., Anaraki, J. R., Simango, B., Rayner, M., Dorani, F., Bozorgi, A., Luan, H., & A Basset, F. (2021). Predicting lying, sitting, walking and running using Apple Watch and Fitbit data. *BMJ Open Sport and Exercise Medicine*, 7(1). <https://doi.org/10.1136/bmjsem-2020-001004>
- Gall, M. D., Gall, J. P., & Borg, W. R. (2006). Educational Research: An Introduction, 8th Edition. *Educational An Introduction*.
- García-Martínez, I., Fernández-Batanero, J. M., Fernández-Cerero, J., & León, S. P. (2023). Analysing the Impact of Artificial Intelligence and Computational

- Sciences on Student Performance: Systematic Review and Meta-analysis. *Journal of New Approaches in Educational Research*, 12(1). <https://doi.org/10.7821/naer.2023.1.1240>
- Gardner, H. (2011). Frames of mind: the theory of multiple intelligences. In *Frames of mind* (Issue ISBN: 0465024335).
- Geneva: World Health Organization. (2018). Global action plan on physical activity 2018–2030: more active people for a healthier world. *Journal of Policy Modeling*, 28(6).
- Gleaves, J. (2012). Soccer and Philosophy: Beautiful Thoughts on the Beautiful Game. *Soccer & Society*, 13(4). <https://doi.org/10.1080/14660970.2012.646141>
- Godbout, P., & Gréhaigne, J.-F. (2022). Making Sense of Decision Making in Invasion Team Sports - A Teaching/Learning Perspective in Physical Education. *Athens Journal of Sports*, 9(2). <https://doi.org/10.30958/ajspo.9-2-1>
- Gréhaigne, J. F., Godbout, P., & Bouthier, D. (1999). The foundations of tactics and strategy in team sports. In *Journal of Teaching in Physical Education* (Vol. 18, Issue 2). <https://doi.org/10.1123/jtpe.18.2.159>
- Gumantan, A., Mahfud, I., & Yuliandra, R. (2021). Pengembangan Alat Ukur Tes Fisik dan Keterampilan Cabang Olahraga Futsal berbasis Dekstop Program. *JOSSAE Journal of Sport Science and Education*. <https://doi.org/10.26740/jossae.v6n2.p146-155>
- Gunawan, W. (2017). Metode Penelitian Dan Pengembangan. *Kerangka Konsep Penelitian*, 53(9).
- Gustafson, K. L., & Branch, R. M. (2002). Survey of Instructional Development Models. Fourth Edition. *Trends and Issues in Instructional Design and Technology*.
- Gustiani, S. (2019). Metode Penelitian Dan Pengembangan (R&D) Sebagai Perancangan Model Pada Penelitian Pendidikan Dan Alternatifnya. *JURNAL Holistik*, 11(2).
- Hadi, A. P., & Habibi, A. I. (2018). Pengembangan Video Pembelajaran Bulutangkis Teknik Dasar Langkah Kaki. *Jurnal SPORTIF : Jurnal Penelitian Pembelajaran*, 4(2). https://doi.org/10.29407/js_unpgri.v4i2.12280
- Hanafi. (2017). Konsep Penelitian R&D dalam Bidang Pendidikan. *Jurnal Kajian Keislaman*, 4(2), 129–150. <http://www.aftanalisis.com>
- Harahap, S. D., Fauzan, A., Ellizar, & Arnawa, I. M. (2020). *Prototype Design Development of Meta-Inquiry Learning Model in Number Theory*. <https://doi.org/10.2991/assehr.k.201209.184>
- Harisa, A., Imran, A., & Alwi, W. (2022). Kecerdasan Emosional dan Kemampuan Mengajar Guru dalam Meningkatkan Kualitas Pengelolaan Kelas di Sekolah. *IQ (Ilmu Al-Qur'an): Jurnal Pendidikan Islam*, 5(01). <https://doi.org/10.37542/iq.v5i01.677>
- Harse, H. (2008). Coaching dan aspek-aspek psikologis dalam coaching. In *Educacion*.
- Hartono, R., Putranto, D., Saputra, A., Pendidikan, J., Kesehatan, J., Rekreasi, D., Keguruan, F., & Pendidikan, I. (2024). KAJIAN LITERATUR

- PERBANDINGAN HASIL SHOOTING PENALTY KAKI BAGIAN DALAM DAN PUNGGUNG KAKI DALAM PERMAINAN FUTSAL. *Riyadhoh : Jurnal Pendidikan Olahraga*, 7(2). <https://doi.org/10.31602/rjpo.v7i2.16382>
- Hasibuan, S., Kasih, I., Sinulingga, A., & Marpaung, D. R. (2022). Android-Based Learning in Sports Physiology. *Journal of Positive School Psychology*, 6(5).
- Hayden, L. A., Whitley, M. A., Cook, A. L., Dumais, A., Silva, M., & Scherer, A. (2015). An exploration of life skill development through sport in three international high schools. *Qualitative Research in Sport, Exercise and Health*, 7(5). <https://doi.org/10.1080/2159676X.2015.1011217>
- Heer, R. (2012). A model of learning objectives -based on A Taxonomy for Learning, Teaching, and Assessing: A revision of Bloom's Taxonomy of Educational Objectives. *Contemporary Theories of Learning, Iowa State University*.
- Heinich, et al. (2002). Instructional media and technologies for learning (7th edition). In *United State of Amarica : Pearson Education, Inc.*
- Heldayana, H., Supriyatna, A., Fakultas, I. I., Olahraga, P., & Kesehatan, D. (2016). HUBUNGAN ANTARA POWER OTOT LENGAN DAN OTOT TUNGKAI DENGAN HASIL SPIKE SEMI PADA CABANG OLAHRAGA BOLA VOLI. In *Jurnal Terapan Ilmu Keolahragaan* (Vol. 01, Issue 01).
- Helsen, W. F., & Starkes, J. L. (1999). A Multidimensional Approach to Skilled Perception and Performance in Sport. *Applied Cognitive Psychology*, 13(1). [https://doi.org/10.1002/\(sici\)1099-0720\(199902\)13:1<1::aid-acp540>3.0.co;2-t](https://doi.org/10.1002/(sici)1099-0720(199902)13:1<1::aid-acp540>3.0.co;2-t)
- Hermans, V., & Engler, R. (2016). Futsal (Technique – Tactics – Training). In *Angewandte Chemie International Edition*.
- Hoehle, H., Zhang, X., & Venkatesh, V. (2015). An espoused cultural perspective to understand continued intention to use mobile applications: A four-country study of mobile social media application usability. *European Journal of Information Systems*, 24(3). <https://doi.org/10.1057/ejis.2014.43>
- Hoque, M. E. (2016). Three Domains of Learning: Cognitive, Affective and Psychomotor. In *The Journal of EFL Education and Research* (Vol. 2). www.edrc-jefler.org
- Hubálovský, Š., Trojovský, P., Bacanin, N., & Venkatachalam, K. (2022). Evaluation of deepfake detection using YOLO with local binary pattern histogram. *PeerJ Computer Science*, 8. <https://doi.org/10.7717/PEERJ-CS.1086>
- Hughes, M. D., & Bartlett, R. M. (2002). The use of performance indicators in performance analysis. In *Journal of Sports Sciences* (Vol. 20, Issue 10). <https://doi.org/10.1080/026404102320675602>
- Husaini, H., Supriatna, E., & Purnomo, E. (2022). Pengaruh variasi latihan target sasaran terhadap kemampuan akurasi smash. *Sriwijaya Journal of Sport*, 1(3). <https://doi.org/10.55379/sjs.v1i3.358>
- Ihsanudin, N. (2019). MODEL-MODEL DESAIN SISTEM PEMBELAJARAN. *Jurnal Pendidikan Dan Pemikiran*, 12.
- Instructional_design*. (n.d.).

- Iqbal, M., Moch, A., James, T., Firmansyah, D., & Surya, S. (2019). Interactive Multimedia Development in Futsal Basic Techniques. *Journal of Education*, 9(10).
- Irfandi, & Rahmat, Z. (2017). Manajemen Pendidikan Jasmani dan Olahraga. In *Jakarta: Rineka Cipta* (Vol. 1, Issue 2).
- Issurin, V. B. (2016). Benefits and Limitations of Block Periodized Training Approaches to Athletes' Preparation: A Review. In *Sports Medicine* (Vol. 46, Issue 3). <https://doi.org/10.1007/s40279-015-0425-5>
- Jamie, F. (2021). *Futsal: The Story of an Indoor Football Revolution*. Melville House.
- Jasti, N. V. K., Venkateswaran, V., Kota, S., & Sangwan, K. S. (2022). A literature review on total quality management (models, frameworks, and tools and techniques) in higher education. *TQM Journal*, 34(5). <https://doi.org/10.1108/TQM-04-2021-0113>
- John, D. T. (2008). Mahir Bermain futsal. In *DAR! Mizan*.
- Kainde, H. V. F., Salaki Reynaldo, J., & Yuri Vanli, A. (2022). Design and Development of Scuba Diving Learning Application Mobile-Based. *Jurnal Teknik Elektro Dan Komputer*, 11(3).
- Kamel Boulos, M. N., & Yang, S. P. (2021). Mobile physical activity planning and tracking: a brief overview of current options and desiderata for future solutions. In *mHealth* (Vol. 7). <https://doi.org/10.21037/mhealth.2020.01.01>
- Kaufman, R., & Wandberg, R. (2014). Designing Effective Instruction. In *Powerful Practices for High-Performing Special Educators*. <https://doi.org/10.4135/9781483350455.n5>
- Kellmann, M., Bertollo, M., Bosquet, L., Brink, M., Coutts, A. J., Duffield, R., Erlacher, D., Halson, S. L., Hecksteden, A., Heidari, J., Wolfgang Kallus, K., Meeusen, R., Mujika, I., Robazza, C., Skorski, S., Venter, R., & Beckmann, J. (2018). Recovery and performance in sport: Consensus statement. *International Journal of Sports Physiology and Performance*, 13(2). <https://doi.org/10.1123/ijsp.2017-0759>
- Kelly, A. L., Williams, C. A., Cook, R., Sáiz, S. L. J., & Wilson, M. R. (2022). A Multidisciplinary Investigation into the Talent Development Processes at an English Football Academy: A Machine Learning Approach. *Sports*, 10(10). <https://doi.org/10.3390/sports10100159>
- Kelso, J. A. S. (1983). Motor Control and Learning - a Behavioral Emphasis - Schmidt, R. In *Contemporary Psychology* (Vol. 28, Issue 1).
- Kertati, I., Susanti, T., Muhammadijah, M., Efitra, Zamista, A. A., Rahman, A. A., Yendri, O., Pratama, A., Rusmayadi, G., Nurhayati, K., Zabua, R. S. Y., Artawan, P., & Arwizet. (2023). Model & Metode Pembelajaran Inovatif Era Digital. In *Sonpedia*.
- Kirk, D. (2005). Physical education, youth sport and lifelong participation: The importance of early learning experiences. *European Physical Education Review*, 11(3). <https://doi.org/10.1177/1356336X05056649>

- Kranz, M., Möller, A., Hammerla, N., Diewald, S., Plötz, T., Olivier, P., & Roalter, L. (2013). The mobile fitness coach: Towards individualized skill assessment using personalized mobile devices. *Pervasive and Mobile Computing*, 9(2). <https://doi.org/10.1016/j.pmcj.2012.06.002>
- Kuantaraf, J. K. dan K. L. (2006). Olahraga Sumber Kesehatan. *Bandung: Advent Indonesia*.
- Lauder, A. G. (2001). Play practice: the games approach to teaching and coaching sports. *Human Kinetics*.
- Lauder, A. G., & Piltz., W. (2013). Play practice: Engaging and developing skilled players from beginner to elite. In *Human Kinetics*.
- Lee, W. W., & Owens, D. L. (2004). Multimedia-Based Instructional Design computer based training and *Journal of Chemical Information and Modeling*, 53(9).
- Leeuw, E. D. De. (2005). To Mix or Not to Mix Data Collection Modes in Surveys. *Journal of Official Statistics*, 21(2).
- Lencioni, P. (2011). The five dysfunctions of a Team Conflict. In *Table group*.
- Levi, H. R., & Jackson, R. C. (2018). Contextual factors influencing decision making: Perceptions of professional soccer players. *Psychology of Sport and Exercise*, 37. <https://doi.org/10.1016/j.psychsport.2018.04.001>
- Lhaksana, J. (2012). Taktik dan Strategi Futsal Modern. Jakarta: Be Champion. In *Taktik Dan Strategi Futsal Modern*.
- Li, C., Xu, P., Pan, Y., Han, B., Zhang, Y., & Chen, Z. (2022). Effect of functional sports on children's spatial awareness aged 6-8 years/. *Chinese Journal of School Health*, 43(8). <https://doi.org/10.16835/j.cnki.1000-9817.2022.08.010>
- Li, H., & Cheong, J. P. G. (2023). Using the ADDIE model to design and develop physical education lessons incorporated with a functional training component. *Frontiers in Public Health*, 11. <https://doi.org/10.3389/fpubh.2023.1201228>
- Light, R. L., & Harvey, S. (2017). Positive Pedagogy for sport coaching. *Sport, Education and Society*, 22(2). <https://doi.org/10.1080/13573322.2015.1015977>
- Lim, G., Shelley, A., & Heo, D. (2019). The regulation of learning and co-creation of new knowledge in mobile learning. *Knowledge Management and E-Learning*, 11(4). <https://doi.org/10.34105/j.kmel.2019.11.024>
- Listiandi, A. D., Budi, D. R., Suhartoyo, T., & ... (2020). Healthy fitness zone: identification of body fat percentage, body mass index and aerobic capacity for students. *Jurnal SPORTIF*
- Lucas, G., Freire, M., & Junior, N. (2018). Do age and time of practice predict the development of life skills among youth futsal practitioners? ¿La edad y el tiempo de práctica predicen el desarrollo de habilidades para la vida entre los jóvenes practicantes de fútbol sala? A idade e o tempo de prática predizem o desenvolvimento de habilidades para a vida entre jovens praticantes de futsal? (Vol. 21). <http://revistas.um.es/cpd>
- MacNamara, Á., Button, A., & Collins, D. (2010). The role of psychological characteristics in facilitating the pathway to elite performance part 1: Identifying

- mental skills and behaviors. *Sport Psychologist*, 24(1). <https://doi.org/10.1123/tsp.24.1.52>
- Mahar, M. T., & Rowe, D. A. (2014). A Brief Exploration of Measurement and Evaluation in Kinesiology. *Kinesiology Review*, 3(1). <https://doi.org/10.1123/kr.2014-0041>
- Maughan, R. (2017). Research methods in physical activity. *Journal of Sports Sciences*, 35(5). <https://doi.org/10.1080/02640414.2016.1169035>
- Maughan, R. J., Burke, L. M., Dvorak, J., Larson-Meyer, D. E., Peeling, P., Phillips, S. M., Rawson, E. S., Walsh, N. P., Garthe, I., Geyer, H., Meeusen, R., Van Loon, L. J. C., Shirreffs, S. M., Spriet, L. L., Stuart, M., Vernec, A., Currell, K., Ali, V. M., Budgett, R. G., ... Engebretsen, L. (2018). IOC consensus statement: Dietary supplements and the high-performance athlete. In *British Journal of Sports Medicine* (Vol. 52, Issue 7). <https://doi.org/10.1136/bjsports-2018-099027>
- Maydiantoro, A. (2021). Model Penelitian Pengembangan (Borg & Gall, 1983). *Jurnal Pengembangan Profesi Pendidik Indonesia*, 10.
- Mehdipour, Y., & Zerehkafi, H. (2013). Mobile Learning for Education: Benefits and Challenges. *International Journal of Computational ...*, 3(6).
- Mendes, D., Travassos, B., Carmo, J. M., Cardoso, F., Costa, I., & Sarmiento, H. (2022). Talent Identification and Development in Male Futsal: A Systematic Review. In *International Journal of Environmental Research and Public Health* (Vol. 19, Issue 17). <https://doi.org/10.3390/ijerph191710648>
- Mercader, V., Galván-Vela, E., Ravina-Ripoll, R., & Popescu, C. R. G. (2021). A Focus on Ethical Value under the Vision of Leadership, Teamwork, Effective Communication and Productivity. *Journal of Risk and Financial Management*, 14(11). <https://doi.org/10.3390/jrfm14110522>
- Michael, W. B., Stanley, J. C., & Bolton, D. L. (1957). Book Review: Taxonomy of Educational Objectives, The Classification of Educational Goals, Handbook I: Cognitive Domain . *Educational and Psychological Measurement*, 17(4). <https://doi.org/10.1177/001316445701700420>
- Michelaki, E., & Bournelli, P. (2016). The Development of Bodily - Kinesthetic Intelligence through Creative Dance for Preschool Students. *Journal of Educational and Social Research*. <https://doi.org/10.5901/jesr.2016.v6n3p23>
- Mills, G. E., & Gay, L. R. (2019). Educational Research Competencies for analysis and application Twelfth Edition. In *Educational Research*.
- Mizanudin, M., Sugiyanto, A., & Saryanto. (2018). Teknik dasar futsal. *Prosiding SENASBASA*.
- Moch Fath Khurrohman, Yudanto, Agus Susworo Dwi Marhaendro, Rifqi Festiawan, & Rohman Hidayat. (2021). Small-sided games: alternative exercise to improve cognitive performance of youth futsal players. *Jurnal SPORTIF: Jurnal Penelitian Pembelajaran*, 7(1), 37–50. https://doi.org/10.29407/js_unpgri.v7i1.15667
- Molenda, M. (2003). In search of the elusive ADDIE model. *Performance Improvement*, 42(5). <https://doi.org/10.1002/pfi.4930420508>

- Moore, R., Bullough, S., Goldsmith, S., & Edmondson, L. (2014). A Systematic Review of Futsal Literature. *American Journal of Sports Science and Medicine*, 2(3). <https://doi.org/10.12691/ajssm-2-3-8>
- Morris, E. (2023). Multiple Intelligences in the Classroom. In *Multiple Intelligences in the Classroom*. <https://doi.org/10.4324/9781315175386>
- Morrison, G. R. (Professor), Ross, S. M., & Kemp, J. E. (2006). Designing Effective Instruction. 5th Edition. *Jossey-Bass, An Imprint of Wiley*.
- Morrison, G., & Ross, S. (2013). Designing Effective Instruction, 7th Edition. In *Designing Effective Instruction*.
- Mudrikah, S., Pahleviannur, M. R., Surur, M., Rahmah, N., Siahaan, M. N., Wahyuni, F. S., Zakaria, Widyaningrum, R., Saputra, D., Prihastari, E. B., Ramadani, S. D., & Nurhayati, R. (2021). Perencanaan Pembelajaran Di Sekolah Teori Dan Implementasi. In *Perencanaan Pembelajaran di Sekolah: Teori dan Implementasi* (Issue December).
- Muhammad Yusuf, Dwi Julianingsih, & Tarisya Ramadhani. (2023). Transformasi Pendidikan Digital 5.0 melalui Integrasi Inovasi Ilmu Pengetahuan dan Teknologi. *Jurnal MENTARI: Manajemen, Pendidikan Dan Teknologi Informasi*, 2(1). <https://doi.org/10.33050/mentari.v2i1.328>
- Mulyatiningsih, E. (2011). Riset Terapan Bidang Pendidikan dan teknik Endang Mulyatiningsing. *UNY Press*.
- Mulyono, M. A. (2014). Buku Pintar Panduan Futsal. Jakarta.Laskar Aksara Mylsidayu,. In *Jakarta: Laskar Aksara*.
- Murhananto. (2006). dasar-dasar permainan futsal. *Jakarta: Kawan Pustaka*.
- Musculus, L., Lautenbach, F., Knöbel, S., Reinhard, M. L., Weigel, P., Gatzmaga, N., Borchert, A., & Pelka, M. (2022). An Assist for Cognitive Diagnostics in Soccer: Two Valid Tasks Measuring Inhibition and Cognitive Flexibility in a Soccer-Specific Setting With a Soccer-Specific Motor Response. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.867849>
- Muspawi, M., Sobri, M., Zainul Mustofa, A. M., Hasani, S., & Alusamah, A. (n.d.). *Development of an Islamic Religious Mentoring System (SIMA'I) based on a Mobile Application System Using the ADDIE Model*. <https://doi.org/10.19105/tjpi.v19i1.12403>
- Mustafa, P. S., & Winarno, M. E. (2018). Buku Metodologi Penelitian Dalam Pendidikan Jasmani (edisi 3, 2). *Multilateral Jurnal Pendidikan Jasmani Dan Olahraga*, 19(1).
- Muthmainnah, Udin, T., Sianturi, M. K., Nasution, S. I., Punomo, A., Rifai, A., & Dkk. (2022). Sistem Model Dan Desain Pembelajaran. In *DESAIN PEMBELAJARAN Pengertian*.
- Nada, R. K. (2019). Mengembangkan Potensi Anak Melalui Implementasi Multiple Intelligence (Studi Analisis di SD IT Bina Anak Sholeh Yogyakarta). *Jurnal As Sibyan Jurnal Kajian Kritis Pendidikan Islam Dan Manajemen Pendidikan Dasar*, 2(2).

- Nakisa, N., & Rahbardar, M. G. (2021). Comparison of IQ, EI, Sports Performance, and Psychological Characteristics of Young Male Soccer Players in Different Playing Positions. *Annals of Applied Sport Science*, 9(1). <https://doi.org/10.29252/aassjournal.910>
- Nashner, L. M., & McCollum, G. (1985). The organization of human postural movements: A formal basis and experimental synthesis. *Behavioral and Brain Sciences*, 8(1). <https://doi.org/10.1017/S0140525X00020008>
- Nicolosi, S., Quinto, A., Lipoma, M., & Sgrò, F. (2023). Situational Analysis and Tactical Decision-Making in Elite Handball Players. *Applied Sciences (Switzerland)*, 13(15). <https://doi.org/10.3390/app13158920>
- N.K., A., & A.S.A., H. (2020). The effect of attacking tactical skill exercises in the skills of dribbling and shooting for youth football players. *International Journal of Psychosocial Rehabilitation*, 24(9).
- Nunnally, J., & Bernstein, I. (1994). *Psychometric Theory*, 3rd edn, 1994. McGraw-Hill, New York, 3.
- Nur, A., Jidan, M., Cesare Zidane, J., & Imar Aulia, K. K. (n.d.). ANALISIS PERANAN APLIKASI STRAVA TERHADAP KEGIATAN OLAHRAGA LARI PAGI. <https://doi.org/10.8734/Kohesi.v1i2.365>
- Nurhayati, N., Fhatulloh, M. R., & Yusup, M. (2019). IMPLEMENTASI GURU DALAM MENDESAIN PROSES PEMBELAJARAN PAI. *Attulab: Islamic Religion Teaching and Learning Journal*, 2(2). <https://doi.org/10.15575/ath.v2i2.2790>
- Oh, E., & Reeves, T. C. (2010). The implications of the differences between design research and instructional systems design for educational technology researchers and practitioners. *Educational Media International*, 47(4). <https://doi.org/10.1080/09523987.2010.535326>
- Ohmuro, T., Iso, Y., Tobita, A., Hirose, S., Ishizaki, S., Sakaue, K., & Yasumatsu, M. (2020). Physical match performance of Japanese top-level futsal players in different categories and playing positions. *Biology of Sport*, 37(4), 359–365. <https://doi.org/10.5114/BIOLSPORT.2020.96322>
- Okpatrioka Okpatrioka. (2023). Research And Development (R&D) Penelitian Yang Inovatif Dalam Pendidikan. *Dharma Acariya Nusantara: Jurnal Pendidikan, Bahasa Dan Budaya*, 1(1). <https://doi.org/10.47861/jdan.v1i1.154>
- Okudan, B. (2021). Investigation of the relationship between cognitive behavioral physical activity and multiple intelligence levels in different team sports athletes. *Progress in Nutrition*, 23(1). <https://doi.org/10.23751/pn.v23iS1.11610>
- Olayinka, T. A., Jumoke, T. F., & Oyebamiji, M. T. (2018). Reengineering the ASSURE model to curbing problems of technology integration in nigerian learning institutions. *Research in Learning Technology*, 26. <https://doi.org/10.25304/rlt.v26.1999>
- Oliveira, T. A. C. de, Davids, K., Denardi, R. A., Zalla, S., & Corrêa, U. C. (2023). Interpersonal coordination tendencies and perception of visual information for

- decision-making in futsal. *Psychology of Sport and Exercise*, 66. <https://doi.org/10.1016/j.psychsport.2023.102403>
- Owens, J., & Cribb, A. (2019). 'My Fitbit Thinks I Can Do Better!' Do Health Promoting Wearable Technologies Support Personal Autonomy? *Philosophy and Technology*, 32(1). <https://doi.org/10.1007/s13347-017-0266-2>
- Ozdamli, F., Ababneh, M., Karagozlu, D., & Aljarrah, A. (2022). Development and Testing of Performance Scale Application as an Effective Electronic Tool to Enhance Students' Academic Achievements. *Electronics (Switzerland)*, 11(23). <https://doi.org/10.3390/electronics11234023>
- Pamungkas, I. A., & Dwiyojo, W. D. (2022). Pengembangan Media Pembelajaran Berbasis Mobile Learning Untuk Aktivitas Kesegaran Jasmani Siswa kelas X Sekolah Menengah Kejuruan. *Sport Science and Health*, 2(5). <https://doi.org/10.17977/um062v2i52020p272-278>
- Papadakis, S. (2020). Tools for evaluating educational apps for young children: a systematic review of the literature. *Interactive Technology and Smart Education*, 18(1). <https://doi.org/10.1108/ITSE-08-2020-0127>
- Pates, J., Karageorghis, C. I., Fryer, R., & Maynard, I. (2003). Effects of asynchronous music on flow states and shooting performance among netball players. *Psychology of Sport and Exercise*, 4(4). [https://doi.org/10.1016/S1469-0292\(02\)00039-0](https://doi.org/10.1016/S1469-0292(02)00039-0)
- Patton, M. Q. (2002). Qualitative research and evaluation methods. In *Qualitative Inquiry* (Vol. 3rd). <https://doi.org/10.2307/330063>
- Pelana, R., Syamsul Taufik, M., Setiakarnawijaya, Y., Sukur, A., & Raharjo, S. (2020). Futsal Training Model with Futsal Measurement Tests for College Student-Athletes. *Talent Development & Excellence*, 12(1).
- Pendidikan Jasmani Olahraga dan Kesehatan Berbasis Komputer Suci Cahyati, P., Suherman, W. S., Cahyati, S., & Suherman -, W. S. (2014). Pengembangan Media PENGEMBANGAN MEDIA PEMBELAJARAN PENDIDIKAN JASMANI OLAHRAGA DAN KESEHATAN BERBASIS KOMPUTER UNTUK SMA COMPUTER BASED LEARNING MEDIA DEVELOPMENT OF PHYSICAL EDUCATION FOR HIGH SCHOOLS. In *Jurnal Keolahragaan* (Vol. 2).
- Pengaruh Model Pembelajaran Jerold E.Kemp Terhadap Hasil Belajar Manajemen Keuangan Pada Program Studi Pendidikan Akuntansi FKIP UMSU.* (n.d.). <https://doi.org/10.30596/liabilities.v3i3.5821>
- Permansah, S., & Murwaningsih, T. (2018). Media Pembelajaran Digital: Kajian Literatur Tentang Dampak Penggunaan Media Pembelajaran Digital di SMK. *Prosiding Seminar Nasional Pendidikan Administrasi Perkantoran*, 3(2).
- Petiot, G. H., Vitulano, M., & Davids, K. (2024). The key role of context in team sports training: The value of played-form activities in practice designs for soccer. In *International Journal of Sports Science and Coaching* (Vol. 19, Issue 3). <https://doi.org/10.1177/17479541231191077>
- Pires, D. A., Flores, L. J. F., & Brandão, M. R. F. (2008). Situações de jogo causadoras de estresse em atletas das categorias de base de handebol: uma abordagem cross-cultural. *Conexões*, 6. <https://doi.org/10.20396/conex.v6i0.8637849>

- Pizarro, D., Práxedes, A., Travassos, B., Gonçalves, B., & Moreno, A. (2021). How Informational Constraints for Decision-Making on Passing, Dribbling and Shooting Change With the Manipulation of Small-Sided Games Changes in Futsal. In *Perceptual and Motor Skills* (Vol. 128, Issue 4). <https://doi.org/10.1177/00315125211016350>
- Plomp & Nienke. (2013). Introduction to Educational Design Research: An Introduction. *Educational Design Research*.
- Plomp, T. (2013). Educational Design Research: A Introduction. In *Educational Design Research*.
- Popovych, I., Plokhikh, V., Hrys, A., Pavliuk, M., Nosov, P., & Zinchenko, S. (2023). Operationalization of footballers' emotional intelligence in the dimensions of motivational orientation: analysis based on the basic positions. *Journal of Physical Education and Sport*, 23(3). <https://doi.org/10.7752/jpes.2023.03095>
- Porto, H., Copetti, F., & Flôres, F. (2020). The ecological and cognitive approaches in football/futsal decision-makin. *RBFF-Revista Brasileira de Futsal e Futebol*, 12(50).
- Pratama, R. (2017). HUBUNGAN KEMAMPUAN GERAK BODY-KINESTHETIC FISIK (MULTIPLE INTELLIGENCES) DENGAN HASIL BELAJAR MATA PELAJARAN BIOLOGI DI SMA NEGERI 2 BANDAR LAMPUNG. In *UNIVERSITAS ISLAM NEGERI RADEN INTAN LAMPUNG*.
- Pratama, R., Handoko, A., & Anwar, C. (2020). Association of physical body-kinesthetic (Multiple Intelligences) mobility with learning results biology in SMA negeri 2 bandar lampung. *Journal of Physics: Conference Series*, 1521(4). <https://doi.org/10.1088/1742-6596/1521/4/042001>
- Pribadi. (2011). Model ASSURE untuk Mendesain Pembelajaran Sukses. *PT. Dian Rakyat – Jakarta*.
- Pujianto, D., Nopiyanto, Y. E., & Kardi, I. S. (2022). How is the mental toughness of student-athletes? An investigation of elite student-athletes in Bengkulu City. *Journal Sport Area*, 7(3). [https://doi.org/10.25299/sportarea.2022.vol7\(3\).9532](https://doi.org/10.25299/sportarea.2022.vol7(3).9532)
- Purnama, S. (2016). Metode Penelitian Dan Pengembangan (Pengenalan Untuk Mengembangkan Produk Pembelajaran Bahasa Arab). *LITERASI (Jurnal Ilmu Pendidikan)*, 4(1), 19. [https://doi.org/10.21927/literasi.2013.4\(1\).19-32](https://doi.org/10.21927/literasi.2013.4(1).19-32)
- Pyne, D. B., Spencer, M., & Mujika, I. (2014). Improving the value of fitness testing for football. *International Journal of Sports Physiology and Performance*, 9(3). <https://doi.org/10.1123/IJSPP.2013-0453>
- Qomarrullah, R., Wainggai, H. H., Wulandari S, L., & Suratni, S. (2023). Aplikasi Penerapan Tes dan Pengukuran Kondisi Fisik untuk Atlet Bola Voli Papua. *Jurnal Altifani Penelitian Dan Pengabdian Kepada Masyarakat*, 3(4). <https://doi.org/10.59395/altifani.v3i4.445>
- Qoni'ah, B. (2006). MODEL PENGEMBANGAN PENDIDIKAN HARD SKILL SISWA DALAM MENGHADAPI ERA REVOLUSI INDUSTRI 4.0 (Studi. In *IAIN Ponorogo*.

- Rahimi, A., Amani-Shalamzari, S., & Clemente, F. M. (2020). The effects of foam roll on perceptual and performance recovery during a futsal tournament. *Physiology and Behavior*, 223. <https://doi.org/10.1016/j.physbeh.2020.112981>
- Rahmani, M. (2014). Buku super lengkap olahraga. *Jakarta: Dunia Cerdas*.
- Rahmi, M. N., & Huda, I. W. A. U. (2022). Desain Pembelajaran Model Kemp Dan Implementasinya Dengan Teknik Jigsaw. *INCARE: International Journal of Educational Resources*, 01(05).
- Ramadhani, D. Y., & Fudin, M. S. (2021). Pengembangan Model Pembelajaran Portofolio Berbasis Media Interaktif Sebagai Alternatif Pembelajaran Pendidikan Jasmani Olahraga dan Kesehatan. *Bravo's : Jurnal Program Studi Pendidikan Jasmani Dan Kesehatan*, 9(3). <https://doi.org/10.32682/bravos.v9i3.1918>
- Rasyono, & Yanto, A. H. (2024). The accuracy of shooting petanque iron balls: Effectiveness of resistance band training. *Journal Sport Area*, 9(2), 186–194. [https://doi.org/10.25299/sportarea.2024.vol9\(2\).14733](https://doi.org/10.25299/sportarea.2024.vol9(2).14733)
- Reigeluth, C. M. (2013). Instructional-design theories and models: A new paradigm of instructional theory. In *Instructional-Design Theories and Models: A New Paradigm of Instructional Theory* (Vol. 2). <https://doi.org/10.4324/9781410603784>
- Reigeluth, C. M., Beatty, B. J., & Myers, R. D. (2017). Instructional-Design Theories and Models, Volume IV: The Learner-Centered Paradigm of Education - Preface & Unit Forewords. *New York, NY: Routledge, IV*.
- Reilly, T., & Gilbourne, D. (2003). Science and football: A review of applied research in the football codes. *Journal of Sports Sciences*, 21(9). <https://doi.org/10.1080/0264041031000102105>
- Reis, M., Santos, J., Matos, M., Cruz, T., Vasconcellos, F., & Almeida, M. (2019). Assessment of the performance of novice futsal players in the execution of futsal-specific motor skills. *Human Movement*, 20(3), 29–37. <https://doi.org/10.5114/hm.2019.83994>
- Rejeki, H. S., & Gunawan, G. (2021). PENGEMBANGAN MODEL PEMBELAJARAN GERAK DASAR LOKOMOTOR UNTUK SISWA SEKOLAH DASAR. *Jurnal Penjaskesrek*, 8(2). <https://doi.org/10.46244/penjaskesrek.v8i2.1655>
- Rezaimanesh, D., Amiri-Farsani, P., & Saidian, S. (2011). The effect of a 4 week plyometric training period on lower body muscle EMG changes in futsal players. *Procedia - Social and Behavioral Sciences*, 15, 3138–3142. <https://doi.org/10.1016/j.sbspro.2011.04.260>
- Richey, R. C., & Klein, J. D. (2014). Design and development research. In *Handbook of Research on Educational Communications and Technology: Fourth Edition*. https://doi.org/10.1007/978-1-4614-3185-5_12
- Rocco, D., Pastore, M., Gennaro, A., Salvatore, S., Cozzolino, M., & Scorza, M. (2018). Beyond verbal behavior: An empirical analysis of speech rates in psychotherapy sessions. *Frontiers in Psychology*, 9(JUN). <https://doi.org/10.3389/fpsyg.2018.00978>

- Rofiah, N. H. (2016). Menerapkan Multiple Intelligences dalam Pembelajaran di Sekolah Dasar. *Jurnal Dinamika Pendidikan Dasar*, 8(1).
- Ruiz, M. C., & Robazza, C. (2020). Feelings in sport: Theory, research, and practical implications for performance and well-being. In *Feelings in Sport: Theory, Research, and Practical Implications for Performance and Well-being*. <https://doi.org/10.4324/9781003052012>
- Sabarit, A., Reigal, R. E., Morillo-Baro, J. P., de Mier, R. J. R., Franquelo, A., Hernández-Mendo, A., Falcó, C., & Morales-Sánchez, V. (2020). Cognitive functioning, physical fitness, and game performance in a sample of adolescent soccer players. *Sustainability (Switzerland)*, 12(13). <https://doi.org/10.3390/su12135245>
- Sadiq, S. J. (2021). The effects of tactical sequences on game scenarios in the development of skilful and tactical performances for futsal players. *Journal of Human Sport and Exercise*, 16(Proc3). <https://doi.org/10.14198/jhse.2021.16.Proc3.49>
- Sakamoto, S., Putalun, W., Vimolmangkang, S., Phoolcharoen, W., Shoyama, Y., Tanaka, H., & Morimoto, S. (2018). Enzyme-linked immunosorbent assay for the quantitative/qualitative analysis of plant secondary metabolites. In *Journal of Natural Medicines* (Vol. 72, Issue 1). <https://doi.org/10.1007/s11418-017-1144-z>
- Salim, S. (2012). 1 Hari Pintar Main Futsal. In *MedPress Digital*.
- Saputra, H., Barlian, E., Padli, P., & Iswana, B. (2022). Physical Education in High School: The Contribution of Noble Values in Sports. *Journal of Coaching and Sports Science*, 1(2). <https://doi.org/10.58524/jcss.v1i2.161>
- Saputri, S. N., Drajiati, N. A., & Sukmawati, F. (2024). Pengembangan E-Modul Berbasis Multimodal untuk Mendukung Pembelajaran PJOK pada Siswa SD. *JIIIP - Jurnal Ilmiah Ilmu Pendidikan*, 7(2). <https://doi.org/10.54371/jiip.v7i2.3343>
- Schlipsing, M., Salmen, J., Tschentscher, M., & Igel, C. (2017). Adaptive pattern recognition in real-time video-based soccer analysis. *Journal of Real-Time Image Processing*, 13(2). <https://doi.org/10.1007/s11554-014-0406-1>
- Sekulic, D., Pojskic, H., Zeljko, I., Pehar, M., Modric, T., Versic, S., & Novak, D. (2021). Physiological and Anthropometric Determinants of Performance Levels in Professional Futsal. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.621763>
- Selmi, O., Ouergui, I., Muscella, A., Levitt, D. E., Suzuki, K., & Bouassida, A. (2023). Monitoring mood state to improve performance in soccer players: A brief review. In *Frontiers in Psychology* (Vol. 14). <https://doi.org/10.3389/fpsyg.2023.1095238>
- Serrano, J., Shahidian, S., & Leite, N. (2014). Long-term Sport Development in Portuguese Futsal Players. In *International Journal of Sports Science* (Vol. 2014, Issue 6A).
- Shaari, S., Effendi, M., & Mohd Matore, E. (2019). Psychometric Properties of Mymica Multiple Intelligence Instruments Among Delinquent Student in Primary School. In *International Journal of Innovation, Creativity and Change*. www.ijicc.net (Vol. 7, Issue 4). www.ijicc.net

- Shakeel, S. I., Al Mamun, M. A., & Haolader, M. F. A. (2023). Instructional design with ADDIE and rapid prototyping for blended learning: validation and its acceptance in the context of TVET Bangladesh. *Education and Information Technologies*, 28(6). <https://doi.org/10.1007/s10639-022-11471-0>
- Shearer, C. B. (2020). Multiple Intelligences in Gifted and Talented Education: Lessons Learned From Neuroscience After 35 Years. *Roeper Review*, 42(1). <https://doi.org/10.1080/02783193.2019.1690079>
- Shehzad, S., & Mahmood, N. (2013). Gender Differences in Emotional Intelligence of University Teachers. *Pakistan Journal of Social and Clinical Psychology*, 11(1).
- Shmelev, V., Karpova, M., & Dukhanov, A. (2015). An Approach of Learning Path Sequencing Based on Revised Bloom's Taxonomy and Domain Ontologies with the Use of Genetic Algorithms. *Procedia Computer Science*, 66, 711–719. <https://doi.org/10.1016/j.procs.2015.11.081>
- Shurygin, V. Y., Krasnova, L. A., & Volkova, K. R. (2020). Role of remote education technologies in physical education and sports training system at universities. *Teoriya i Praktika Fizicheskoy Kultury*, 2020(6).
- Siagian, M. V., Saragih, S., & Sinaga, B. (2019). Development of Learning Materials Oriented on Problem-Based Learning Model to Improve Students' Mathematical Problem Solving Ability and Metacognition Ability. *International Electronic Journal of Mathematics Education*, 14(2). <https://doi.org/10.29333/iejme/5717>
- Silalahi, A. (2018). Development Research (Penelitian Pengembangan) dan Research & Development (Penelitian & Pengembangan) Dalam Bidang Pendidikan/Pembelajaran. *Research Gate*, July. <https://doi.org/10.13140/RG.2.2.13429.88803/1>
- Silva, A. F., Conte, D., & Clemente, F. M. (2020). Decision-making in youth team-sports players: A systematic review. *International Journal of Environmental Research and Public Health*, 17(11). <https://doi.org/10.3390/ijerph17113803>
- Silva, J. R., Buchheit, M., Hader, K., Sarmiento, H., & Afonso, J. (2023). Building Bridges Instead of Putting Up Walls: Connecting the “Teams” to Improve Soccer Players' Support. *Sports Medicine*, 53(12). <https://doi.org/10.1007/s40279-023-01887-0>
- Simpson, A., Gemming, L., Baker, D., & Braakhuis, A. (2017). Do image-assisted mobile applications improve dietary habits, knowledge, and behaviours in elite athletes? A pilot study. *Sports*, 5(3). <https://doi.org/10.3390/sports5030060>
- Spatioti, A. G., Kazanidis, I., & Pange, J. (2022). A Comparative Study of the ADDIE Instructional Design Model in Distance Education. In *Information (Switzerland)* (Vol. 13, Issue 9). <https://doi.org/10.3390/info13090402>
- Spyrou, K., Freitas, T. T., Marín-Cascales, E., & Alcaraz, P. E. (2020). Physical and Physiological Match-Play Demands and Player Characteristics in Futsal: A Systematic Review. In *Frontiers in Psychology* (Vol. 11). <https://doi.org/10.3389/fpsyg.2020.569897>
- Statista Research Department. (2022). Number of smartphone subscriptions worldwide from 2016 to 2021, with forecasts from 2022 to 2027. *Statista*, 2027.

- Stenman, E., & Lilja, Å. (2013). Increased monoaminergic neurotransmission improves compliance with physical activity recommendations in depressed patients with fatigue. *Medical Hypotheses*, 80(1). <https://doi.org/10.1016/j.mehy.2012.10.007>
- Suarez-Tijeras, E. J., Granero-Gallegos, A., & Carrasco-Poyatos, M. (2023). Looking for the best way to determine aerobic performance in futsal: a pilot study. *Journal of Physical Education and Sport*, 23(3). <https://doi.org/10.7752/jpes.2023.03094>
- Subekti, A. A., Doewes, M., & Likustyawati, H. (2021). A Study on the Development of a Futsal Sports Attack Strategy Exercise Model. *International Journal of Social Sciences and Humanities Invention*, 8(10), 6684–6692. <https://doi.org/10.18535/ijsshi/v8i10.09>
- Sudirman, & Ilham Kamaruddin. (2022). PKM TEKNIK DAN STRATEGI FUTSAL MODERN. *J-ABDI: Jurnal Pengabdian Kepada Masyarakat*, 1(11). <https://doi.org/10.53625/jabdi.v1i11.1878>
- Sugiyono. (2022). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. In *METODE PENELITIAN Kuantitatif, Kualitatif, dan R&D*.
- Sugiyono. (2011). Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D. *Bandung Alfabeta*.
- Sugiyono. (2016). Metode Penelitian Kuantitatif, Kualitatif dan R & Metode Penelitian Kuantitatif, Kualitatif Dan R & D. *Bandung: Alfabeta. Bandung: Alfabeta*.
- Sugiyono. (2021). Metode Penelitian Pendidikan (Kuantitatif, Kualitatif, dan R&D, dan Penelitian Pendidikan). In *Alfabeta*.
- Suhadi, S., Soegiyanto, S., Rahman, H. A., & Sulaiman, S. (2020a). Evaluation of the bodily-kinesthetic intelligence model in physical education teaching in Indonesia primary school. *Cakrawala Pendidikan*, 39(2). <https://doi.org/10.21831/cp.v39i2.29542>
- Suhadi, S., Soegiyanto, S., Rahman, H. A., & Sulaiman, S. (2020b). Evaluation of the bodily-kinesthetic intelligence model in physical education teaching in Indonesia primary school; [Evaluasi model kecerdasan kinestetik tubuh dalam pembelajaran pendidikan jasmani di sekolah dasar Indonesia]. *Cakrawala Pendidikan*, 39(2).
- Sukardi. (2022). Metode Penelitian Tindakan Kelas: Implementasi dan Pengembangannya. In *PT Bumi Aksara*.
- Sulistiyono. (2008). *Industrialisasi Sepakbola Indonesia*. [Http://Staffnew.Uny.Ac.Id](http://Staffnew.Uny.Ac.Id).
- Sundstrom, E., De Meuse, K. P., & Futrell, D. (1990). Work teams: Applications and effectiveness. *American Psychologist*, 45(2). <https://doi.org/10.1037/0003-066X.45.2.120>
- Susworo, A., & Marhaendro, D. (2018). *Reliability of Futsal Skill Test for High School Players*.
- Syafaruddin, S. (2019). TINJAUAN OLAHRAGA FUTSAL. *Altius : Jurnal Ilmu Olahraga Dan Kesehatan*, 7(2). <https://doi.org/10.36706/altius.v7i2.8108>
- Syahputra, P., Arwansyah, & Hasyim. (2021). Pengembangan Media Pembelajaran Interaktif Berbasis Android untuk Meningkatkan Hasil Belajar Siswa pada Mata Pelajaran Produk Kreatif dan Kewirausahaan. *Jurnal Ilmiah Potensia*, 6(2).

- Tapung, M. (2022). MENYOAL SENTIMEN DISRUPTIF TRANSFORMASI DIGITAL PADA TATA KELOLA PEMBELAJARAN. ... *IMAN, BUDAYA DAN PENDIDIKAN*
- Teoldo, I., Guilherme, J., & Garganta, J. (2021). Football Intelligence: Training and Tactics for Soccer Success. In *Football Intelligence* (Issue 12).
- Thacker, J. W., & Blanchard, P. N. (2013). Effective training - systems, strategies and practices. In *Training Design*.
- The Football Association. (2017). The Mini-Soccer and Youth Futsal Handbook. In *Youth Futsal Handbook The Mini-Soccer and*.
- Thieschäfer, L., & Büsch, D. (2022). Development and trainability of agility in youth: A systematic scoping review. In *Frontiers in Sports and Active Living* (Vol. 4). <https://doi.org/10.3389/fspor.2022.952779>
- Thomas, P. R., Murphy, S. M., & Hardy, L. (1999). Test of performance strategies: Development and preliminary validation of a comprehensive measure of athletes' psychological skills. *Journal of Sports Sciences*, 17(9). <https://doi.org/10.1080/026404199365560>
- Tian, E. (2020). A prospect for the geographical research of sport in the age of Big Data. *Sport in Society*, 23(1). <https://doi.org/10.1080/17430437.2018.1555233>
- Torres-Torrelo, J., Rodríguez-Rosell, D., & González-Badillo, J. J. (2017). Light-load maximal lifting velocity full squat training program improves important physical and skill characteristics in futsal players. *Journal of Sports Sciences*, 35(10). <https://doi.org/10.1080/02640414.2016.1206663>
- Toyibah Toyibah, Yessy Yanita Sari, & Irdalisa Irdalisa. (2024). Pengembangan LKPD berbasis STEAM untuk Meningkatkan Keterampilan Proses Sains Peserta Didik Pada Materi Tumbuhan Kelas IV Sekolah Dasar. *Jurnal Kajian Penelitian Pendidikan Dan Kebudayaan*, 2(1). <https://doi.org/10.59031/jkppk.v2i1.311>
- Tracey, M. W. (2009). Design and development research: A model validation case. *Educational Technology Research and Development*, 57(4). <https://doi.org/10.1007/s11423-007-9075-0>
- Triyanto, H., Hanani, E. S., & Setiawan, I. (2014). Model Pengembangan Permainan Gobak Sodor Bola Dalam Pembelajaran Penjas. *Journal of Physical Education, Sport, Health and Recreation*, 4(2).
- 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). <https://doi.org/10.1080/17461391.2012.725103>
- Wahyuni, I. (2018). Pemilihan Media Pembelajaran. *Jurnal Pendidikan*, 1(1).
- Weinberg, R. S., & Gould, D. (2011). Foundations of Sport and Exercise Psychology Fifth Edition. In *Human Kinetics*.
- Wibowo, H. S. (2023). *Pengembangan Teknologi Media Pembelajaran : Merancang Pengalaman Pembelajaran Yang Inovatif dan Efektif* (Vol. 1, Issue 4).

- Widayanto, A., Pratiwi, H., & Mardiyana, M. (2018). Comparison of learning models based on mathematics logical intelligence in affective domain. *Journal of Physics: Conference Series*, 1008(1). <https://doi.org/10.1088/1742-6596/1008/1/012056>
- Wiliam, D., Black, P., Harrison, C., Lee, C., & Marshall, B. (2003). Assessment for Learning : Putting it into Practice. *Learning Quarterly*, 3(3).
- Williams, A. M., & Ford, P. R. (2008). Expertise and expert performance in sport. *International Review of Sport and Exercise Psychology*, 1(1). <https://doi.org/10.1080/17509840701836867>
- Wu, H.-Y., Chen, P.-S., & Chuang, C.-L. (2011). The significance of research and development (R&D) and innovation to high-tech industry from the total quality management (TQM) perspective. *African Journal of Business Management*, 5(15).
- Xu, M., & Stefaniak, J. (2023). Pre-Service Teachers' Instructional Design Decision-Making for Technology Integration. *TechTrends*. <https://doi.org/10.1007/s11528-022-00830-w>
- Yanto, A. H., & Rasyono, R. (2022). Pengembangan model latihan passing berbasis teamwork untuk atlet futsal. *Altius: Jurnal Ilmu Olahraga Dan Kesehatan*, 11(2), 144–151. <https://doi.org/10.36706/altius.v11i2.18480>
- Yanto, A. H., & Sutapa, P. (2018). *Shooting Training Models with the Playing Approach for Futsal Extracurricular of Junior High School Students*.
- Yeemin, W., Dias, C. S., & Fonseca, A. M. (2016). A systematic review of psychological studies applied to futsal. In *Journal of Human Kinetics* (Vol. 50, Issue 1). <https://doi.org/10.1515/hukin-2015-0162>
- Yiannaki, C., Carling, C., & Collins, D. (2018). Futsal as a potential talent development modality for soccer—a quantitative assessment of high-level soccer coach and player perceptions. *Science and Medicine in Football*, 2(4). <https://doi.org/10.1080/24733938.2018.1483079>
- Young, W. B., & Murray, M. P. (2017). Reliability of a field test of defending and attacking agility in australian football and relationships to reactive strength. *Journal of Strength and Conditioning Research*, 31(2). <https://doi.org/10.1519/JSC.0000000000001498>
- Yuliawan, E., & Samsudduha, A. (2022). IMPLEMENTASI KURIKULUM MERDEKA BELAJAR DI SMA NEGERI 1 TANJUNG JABUNG TIMUR IMPLEMENTATION OF THE INDEPENDENT LEARNING CURRICULUM AT SMA NEGERI 1 TANJUNG JABUNG TIMUR. <https://jurnal.untirta.ac.id/index.php/JOSITA>
- Yuniastuti, Miftakhuddin, & Khoiron, M. (2021). Media pembelajaran untuk generasi milenial Tinjauan Teoretis dan Pedoman Praktis. In *Media Pembelajaran untuk Generasi Milenial* (Issue April).
- Z, B. F. (2019). Visual/Spatial Intelligence Vs Direct Instruction which method heightens tactical performance in youth soccer players. *International Journal of Applied Exercise Physiology*, 8(1).

- Zemková, E., & Hamar, D. (2018). Sport-specific assessment of the effectiveness of neuromuscular training in young athletes. In *Frontiers in Physiology* (Vol. 9, Issue APR). <https://doi.org/10.3389/fphys.2018.00264>
- Zerf, M., & Beboucha, W. (2018). MULTI VISUAL INTELLIGENCE VS DIRECT INSTRUCTION WHICH APPROACH METHOD HEIGHTENS TACTICAL PERFORMANCE IN YOUTH SOCCER PLAYERS. *NWSA Academic Journals*, 13(4). <https://doi.org/10.12739/nwsa.2018.13.4.2b0115>
- Zhang, D., & Adipat, B. (2005). Challenges, methodologies, and issues in the usability testing of mobile applications. *International Journal of Human-Computer Interaction*, 18(3). https://doi.org/10.1207/s15327590ijhc1803_3
- Zydney, J. M., & Warner, Z. (2016). Mobile apps for science learning: Review of research. *Computers and Education*, 94. <https://doi.org/10.1016/j.compedu.2015.11.001>