

DAFTAR PUSTAKA

- Abukhaled, Y., Hatab, K., Awadhalla, M., & Hamdan, H. (2024). Understanding the genetic mechanisms and cognitive impairments in Down syndrome: towards a holistic approach. *Journal of Neurology*, 271(1), 87–104. <https://doi.org/10.1007/s00415-023-11890-0>
- Afiata, N. G., Indarwati, ., & Leni, A. S. M. (2022). Pengaruh Balance Strategy Exercise Terhadap Keseimbangan Anak Usia Dini. *Physio Journal*, 2(1), 19–22. <https://doi.org/10.30787/phyjou.v2i1.825>
- AL-Nemr, A., & Reffat, S. (2024). Effect of Pilates exercises on balance and gross motor coordination in children with Down syndrome. *Acta Neurologica Belgica*, 124(5), 1499–1505. <https://doi.org/10.1007/s13760-024-02517-w>
- Alqahtani, A. S., Algabbani, M. F., Alhammad, S. A., Alwadeai, K. S., & Alhusaini, A. (2024). Physical activity status and its association with quality of life among children with down syndrome in Saudi Arabia: A comparative cross-sectional study. *PLoS ONE*, 19(2 February). <https://doi.org/10.1371/journal.pone.0297111>
- Amalia, . Rhaudya Salsa. (2023, June 5). *Hubungan Antara Flat Foot dengan Keseimbangan pada Anak Down Syndrome di Yayasan Pendidikan Luar Biasa Nusantara Depok*. Repository UPN Veteran Jakarta. <https://repository.upnvj.ac.id/id/eprint/26441>
- Ambarwati, A., Pujiati, E., & Pramudaningsih, I. N. (2023). Peningkatan Pengetahuan Remaja Tentang Kelainan Genetik dan Cara Pencegahannya. *Jurnal Pengabdian Kesehatan*, 6(4), 270–278.
- Anugrah, T. (2025). Latihan Berbasis Permainan dan Keseimbangan Dinamis Terhadap Daya Tahan Otot Inti Anak dengan *Down Syndrome*: Investigasi Efek dan Interaksi. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, 9(5), 1324–1334. <https://doi.org/10.31004/obsesi.v9i5.6980>
- Bellaputri, A., Purba, F. D., & Qodariah, L. (2022). Kualitas Hidup Orang Tua Dari Anak Dengan Disabilitas Intelektual: Studi Kualitatif. *Journal of Psychological Science and Profession*, 6(1), 42. <https://doi.org/10.24198/jpsp.v6i1.32807>
- Beresford-Webb, J. A., Charlesworth, E., Pardhan, S., Wang, V., Vaughan, M., Igbineweka, M., & Zaman, S. H. (2025). The Ocular Manifestations of Individuals With Down Syndrome: A Systematic Review and Meta-Analysis. *Journal of Ophthalmology*, 2025(1). <https://doi.org/10.1155/joph/2317959>

- Bohnstedt, C., Stenmarker, M., Olersbacken, L., Schmidt, L., Larsen, H. B., Schmiegelow, K., & Hansson, H. (2023). Participation, challenges and needs in children with down syndrome during cancer treatment at hospital: a qualitative study of parents' experiences. *Frontiers in Rehabilitation Sciences*, 4. <https://doi.org/10.3389/fresc.2023.1099516>
- Bokhari., F. A. S. R. A. (2023). Down syndrome (Trisomy 21). *StatPearls Publishing*, 306–307.
- Brugnaró, B. H., Oliveira, M. F. P., de Campos, A. C., Pavão, S. L., & Rocha, N. A. C. F. (2022). Postural control in Down syndrome and relationships with the dimensions of the International Classification of Functioning, Disability and Health—a systematic review. *Disability and Rehabilitation*, 44(11), 2207–2222. <https://doi.org/10.1080/09638288.2020.1830439>
- Brugnaró, B. H., Pauletti, M. F., Lima, C. R. G., Verdério, B. N., Fonseca-Angulo, R. I., Romão-Silva, B., de Campos, A. C., Rosenbaum, P., & Rocha, N. A. C. F. (2024). Relationship between sensory processing patterns and gross motor function of children and adolescents with Down syndrome and typical development: a cross-sectional study. *Journal of Intellectual Disability Research*, 68(4), 358–368. <https://doi.org/10.1111/jir.13118>
- Caldwell, A. R., Kim, Y., Alshahwan, N., Vellody, K., Bendixen, R. M., Renz, K., Duong, T., Dodd, J., Terhorst, L., & Must, A. (2023). Parental perception of facilitators and barriers to health among young children with down syndrome: a qualitative study. *Frontiers in Pediatrics*, 11. <https://doi.org/10.3389/fped.2023.1155850>
- Carbone, A., Castaldi, M., & Szpunar, G. (2023). The Relationship between Teachers and Pupils with Down Syndrome: A Qualitative Study in Primary Schools. *Behavioral Sciences*, 13(3). <https://doi.org/10.3390/bs13030274>
- Catama, B. V. (2024). *Promoting Physical Activity for Children with Down Syndrome: An Evidence-Based Framework*.
- Cesar, G. M., Giebler, M., Buster, T. W., & Burnfield, J. M. (2024). Balance assessment with decreased base of support for children with disabilities. *Clinical and Experimental Pediatrics*, 67(12), 718–724. <https://doi.org/10.3345/cep.2024.00780>
- Chapman, L. R., Ramnarine, I. V. P., Zemke, D., Majid, A., & Bell, S. M. (2024). Gene Expression Studies in Down Syndrome: What Do They Tell Us about Disease Phenotypes? *International Journal of Molecular Sciences*, 25(5). <https://doi.org/10.3390/ijms25052968>

- Chaudhary, S., Saywell, N., & Taylor, D. (2022). The Differentiation of Self-Motion From External Motion Is a Prerequisite for Postural Control: A Narrative Review of Visual-Vestibular Interaction. *Frontiers in Human Neuroscience*, *16*. <https://doi.org/10.3389/fnhum.2022.697739>
- Chen, B., Liu, P., Xiao, F., Liu, Z., & Wang, Y. (2021). Review of the upright balance assessment based on the force plate. *International Journal of Environmental Research and Public Health*, *18*(5), 1–14. <https://doi.org/10.3390/ijerph18052696>
- Chen, L., Wang, L., Wang, Y., Hu, H., Zhan, Y., Zeng, Z., & Liu, L. (2022). Global, Regional, and National Burden and Trends of Down Syndrome From 1990 to 2019. *Frontiers in Genetics*, *13*. <https://doi.org/10.3389/fgene.2022.908482>
- Chilwant, D., & Munawar, T. (2025). Efficacy of Ayres Sensory Integration Therapy on Gait and Balance in Patients with Downs Syndrome – An Experimental Study. *International Journal of Innovative Science and Research Technology*, 2554–2561. <https://doi.org/10.38124/ijisrt/25aug1558>
- Chisari, D., Vitkovic, J., Clark, R., & Rance, G. (2024). Vestibular Function and Postural Control in Children with Autism Spectrum Disorder. *Journal of Clinical Medicine*, *13*(17). <https://doi.org/10.3390/jcm13175323>
- Dan, B. (2024). The ICF as a socio-psycho-biological model for the full participation of disabled individuals. *Developmental Medicine and Child Neurology*, *66*(11), 1398–1399. <https://doi.org/10.1111/dmcn.16044>
- David, . Natasya Shalima. (2023, June 12). *Hubungan Antara Indeks Massa Tubuh dengan Keseimbangan pada Anak Down Syndrome di YPLB Nusantara Depok*. Repository UPN Veteran Jakarta. <http://repository.upnvj.ac.id/id/eprint/26429>
- Dimopoulos, K., Constantine, A., Clift, P., Condliffe, R., Moledina, S., Jansen, K., Inuzuka, R., Veldtman, G. R., Cua, C. L., Tay, E. L. W., Opotowsky, A. R., Giannakoulas, G., Alonso-Gonzalez, R., Cordina, R., Capone, G., Namuyonga, J., Scott, C. H., D’Alto, M., Gamero, F. J., ... Broberg, C. S. (2023). Cardiovascular Complications of Down Syndrome: Scoping Review and Expert Consensus. *Circulation*, *147*(5), 425–441. <https://doi.org/10.1161/CIRCULATIONAHA.122.059706>
- Dwi Rosella Komalasari, Tsania Haifa’ Kurniahadi, & Fahra Fadhilla. (2025). Mengenal Fungsi Kognitif Dan Keseimbangan Postural Tubuh Pada Anak Down Syndrome. *Jurnal ABDIMAS Indonesia*, *3*(1), 87–102. <https://doi.org/10.59841/jurai.v3i1.2329>

- Ebrahimi, M., & Changizi, M. (2025). Impact of Age, Gender, and Body Composition on Balance, Coordination, and Agility in Children and Adolescents. *International Journal of Sport Studies for Health*, 8(2), 27–34. <https://doi.org/10.61838/kman.intjssh.8.2.4>
- ElGindy, H. A., Kotb, M., Mohamed, M., Abuelhamd, W., Nahed, A., Anis, N., & Elkazaz, A. (2022). Non- Disjunction of Chromosome 21 in the Young Mother at Conception. *Pediatric Sciences Journal*, 2(2), 164–169. <https://doi.org/10.21608/cupsj.2022.143027.1063>
- Engel-Yeger, B., & Kessel, A. (2024). Participation in Daily Activities of Children with Atopic Diseases and Its Relation to Their Sensory Modulation Difficulties. *Children*, 11(11). <https://doi.org/10.3390/children11111300>
- Ferrari, M., & Stagi, S. (2021). Oxidative stress in down and williams-beuren syndromes: An overview. *Molecules*, 26(11). <https://doi.org/10.3390/molecules26113139>
- Ghanbarzadeh, A., Azadian, E., Majlesi, M., Jafarnezhadgero, A. A., & Akrami, M. (2022). Effects of task demands on postural control in children of different ages: A cross-sectional study. *Applied Sciences (Switzerland)*, 12(1). <https://doi.org/10.3390/app12010113>
- Ghezzi, M., Garancini, N., De Santis, R., Gianolio, L., Zirpoli, S., Mandelli, A., Farolfi, A., D’Auria, E., & Zuccotti, G. V. (2024). Recurrent Respiratory Infections in Children with Down Syndrome: A Review. *Children*, 11(2). <https://doi.org/10.3390/children11020246>
- Gillioz, E., Gentaz, E., & Lejeune, F. (2025). Screen habits and effects on sensory profiles in 6- to 36-month-old toddlers. *Pediatric Research*. <https://doi.org/10.1038/s41390-025-04024-x>
- Giustino, V., & Messina, Marianna Alesi, Linda La Mantia, Antonio Palma, G. B. (2021). Study of postural control and body balance in subjects with Down syndrome. *Human Movement*, 22(1), 66–71. <https://doi.org/10.5114/hm.2021.98466>
- Grinberg, G., Sokoloff, G., Hay, B., & Lowas, S. (2025). Hematologic Variations in Children with Down Syndrome. *Journal of Pediatric Hematology/Oncology*. <https://doi.org/10.1097/MPH.00000000000003092>
- Gutiérrez-Cruz, C., del-Cuerpo, I., García-Ramos, A., Muñoz-López, S., Rubio-Cabeza, J., & Roman-Espinaco, A. (2023). Effect of the environmental factor of coexistence on the physical condition of people with mild and moderate intellectual disabilities. *Journal of Applied Research in Intellectual Disabilities*, 36(3), 585–593. <https://doi.org/10.1111/jar.13081>

- Halaweh, R. (2025). Magnetic Resonance Imaging in the Detection of Neuroanatomical Changes in Down Syndrome: A Narrative Review from the Developing Fetus to Childhood. *American Journal of Pediatrics*, *11*(2), 81–92. <https://doi.org/10.11648/j.ajp.20251102.18>
- Hamadelseed, O., Chan, M. K. S., Wong, M. B. F., & Skutella, T. (2023). Distinct neuroanatomical and neuropsychological features of Down syndrome compared to related neurodevelopmental disorders: a systematic review. *Frontiers in Neuroscience*, *17*. <https://doi.org/10.3389/fnins.2023.1225228>
- Hendrix, J. A., Amon, A., Abbeduto, L., Agiovlasis, S., Alsaied, T., Anderson, H. A., Bain, L. J., Baumer, N., Bhattacharyya, A., Bogunovic, D., Botteron, K. N., Capone, G., Chandan, P., Chase, I., Chicoine, B., Cieuta-Walti, C., Deruisseau, L. R., Durand, S., Esbensen, A., ... Yi, J. S. (2021). Opportunities, barriers, and recommendations in down syndrome research. *Translational Science of Rare Diseases*, *5*(3–4), 99–129. <https://doi.org/10.3233/TRD-200090>
- Hergenreder, T., Yang, T., & Ye, B. (2024). The role of Down syndrome cell adhesion molecule in Down syndrome. *Medical Review*, *4*(1), 31–41. <https://doi.org/10.1515/mr-2023-0056>
- Huete-García, A., & Otaola-Barranquero, M. (2021). Demographic assessment of down syndrome: A systematic review. *International Journal of Environmental Research and Public Health*, *18*(1), 1–12. <https://doi.org/10.3390/ijerph18010352>
- Ikkal Atli, E. (2022). What Causes Down Syndrome? *Down Syndrome and Other Chromosome Abnormalities*. <https://doi.org/10.5772/intechopen.96685>
- Imania, D. R., Wahyuningsih, I. R., & Kustiyati, S. (2021). Upaya Peningkatan Perkembangan Anak dengan *Down Syndrome*: Literatur Review. *Jurnal Ilmu Kesehatan*, *10*(2), 42–56.
- Indahri, Y. (2023). Peringatan hari down syndrome sedunia. *Pusat Penelitian Badan Keahlian Sekretariat Jenderal DPR RI*.
- Jain, P. D., Nayak, A., Karnad, S. D., & Doctor, K. N. (2022). Gross motor dysfunction and balance impairments in children and adolescents with Down syndrome: a systematic review. *Clinical and Experimental Pediatrics*, *65*(3), 142–149. <https://doi.org/10.3345/cep.2021.00479>
- Jouira, G., Alexe, D. I., Moraru, C. E., Rekik, G., Alexe, C. I., Marinău, M. A., & Sahli, S. (2024). The influence of cognitive load and vision variability on postural balance in adolescents with intellectual disabilities. *Frontiers in Neurology*, *15*. <https://doi.org/10.3389/fneur.2024.1385286>

- Kalyani, H. H. N., & Wanigasinghe, J. (2021). Assessment of the Balance Functions of Children with Down Syndrome Attending Selected Paediatric Clinical Settings in Colombo District, Sri Lanka. *Sri Lanka Journal of Child Health*, *50*(2), 239–245. <https://doi.org/10.4038/sljch.v50i2.9564>
- Kaya, G., & Alavanda, C. (2024). Comprehensive Assessment of Dermatologic and Dymorphic Manifestations in Patients With Down Syndrome. *Skin Research and Technology*, *30*(10). <https://doi.org/10.1111/srt.70077>
- Klotzbier, T. J., Holfelder, B., & Schott, N. (2022). Associations of Motor Performance and Executive Functions: Comparing Children with Down Syndrome to Chronological and Mental Age-Matched Controls. *Children*, *9*(1). <https://doi.org/10.3390/children9010073>
- Koizumi, M., & Kojima, M. (2022). Syntactic development and verbal short-term memory of children with autism spectrum disorders having intellectual disabilities and children with down syndrome. *Autism and Developmental Language Impairments*, *7*. <https://doi.org/10.1177/23969415221109690>
- Kusmantioko, L. I., Safitri, N. A., & Khasanah, I. I. U. (2024). Analisis Faktor-Faktor Internal Dan Eksternal Yang Meningkatkan Ibu Hamil Mengandung Anak *Down Syndrom*. *Biofaal Journal*, *5*(2), 084–090. <https://doi.org/10.30598/biofaal.v5i2pp084-090>
- Lam, M., Lu, J. Di, Elhadad, L., Sibbald, C., & Alhusayen, R. (2022). Common Dermatologic Disorders in Down Syndrome: Systematic Review. *JMIR Dermatology*, *5*(1). <https://doi.org/10.2196/33391>
- Laspa, V., Besios, T., Xristara, A., Tsigaras, G., Milioudi, M., Mauromoustakos, S., & Kottaras, S. (2020). Reliability and Clinical Significance of the Pediatric Balance Scale (PBS) in the Greek Language in Children Aged 4 to 18 Years. *Open Journal of Preventive Medicine*, *10*(05), 73–81. <https://doi.org/10.4236/ojpm.2020.105005>
- Lei, Z., Yuan, K., Xu, J., Miao, Y., Dai, Y., Wang, J., & Chang, J. (2025). Effects of physical exercises on balance in children with down syndrome: a systematic review and meta-analysis. *BMC Sports Science, Medicine and Rehabilitation*, *17*(1). <https://doi.org/10.1186/s13102-025-01222-2>
- Lestari, E. L., Utari, A., Winarni, T. I., & Hendrianingtyas, M. (2025). Down Syndrome Combined with Robertsonian Translocation (13;14) Carrier. *Indonesian Journal of Clinical Pathology and Medical Laboratory*, *31*(2), 207–210. <https://doi.org/10.24293/ijcpml.v31i2.2205>
- Li, Q., Chen, S., Dong, X., Fu, S., Zhang, T., Zheng, W., Tian, Y., & Huang, D. (2023). The Progress of Research on Genetic Factors of Recurrent Pregnancy Loss. *Genetics Research*, *2023*. <https://doi.org/10.1155/2023/9164374>

- Liu, R., Yang, J., Xi, F., & Xu, Z. (2024). Relationship between static and dynamic balance in 4-to-5-year-old preschoolers: a cross-sectional study. *BMC Pediatrics*, 24(1). <https://doi.org/10.1186/s12887-024-04747-6>
- Lubis, R., Syafitri, N., Maylinda, R. N., Alyani, N. N., Anda, R., Zulfiyanti, N., & Surbakti, O. Z. (2023). Pendekatan Behavioristik untuk Anak Disabilitas Intelektual Sedang. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, 7(2), 1626–1638. <https://doi.org/10.31004/obsesi.v7i2.4161>
- Maart, S., & Sykes, C. (2022). Expanding on the use of The International Classification of Functioning, Disability and Health: Examples and resources. *South African Journal of Physiotherapy*, 78(1). <https://doi.org/10.4102/sajp.v78i1.1614>
- Machado, B. L., Correia, R. R., Pereira, G. A., Maemura, I. H., Fonseca, C. R. B., & de Arruda Lourenção, P. L. T. (2023). The Diagnostic Capacity of Physical Examinations in Diagnosing Musculoskeletal Disorders of the Lower Limbs in Children with Down Syndrome. *Medicina (Lithuania)*, 59(11). <https://doi.org/10.3390/medicina59111986>
- Maćkowiak, I., Ciesielska, J., Ruszczyk, M., Opydo-Szymaczek, J., & Torlińska-Walkowiak, N. (2025). Sensory Processing Disorder in Children—Description of the Phenomenon and Practical Procedures. *Journal of Clinical Medicine*, 14(12). <https://doi.org/10.3390/jcm14124105>
- Mailani, R., David, N. S., Faradillah, K. R., & Ismiyasa, S. W. (2023). The Relationship Between Body Mass Index (BMI) and Balance in Down Syndrome Children at the X Depok Foundation. *FISIO MU: Physiotherapy Evidences*, 5(1), 42–47. <https://doi.org/10.23917/fisiomu.v5i1.2944>
- Mappaompo, M. A. (2024). Keseimbangan Dan Kelincahan Keterampilan Menggiring Bola Dalam Permainan Sepak Bola. *Jambura Health and Sport Journal*, 6(1), 1–11. <https://doi.org/10.37311/jhsj.v6i1.23728>
- Martins, K. R., Alves, F. A., Silva, L. R. da, Silva, L. O. A. da, & Segundo, G. R. S. (2024). Different immunological patterns of Down syndrome patients with and without recurrent infections. *Jornal de Pediatria*, 100(6), 653–659. <https://doi.org/10.1016/j.jpmed.2024.06.007>
- Metavia, H. M., & Widiana, R. (2022). Pengaruh *Down Syndrome* terhadap Perkembangan Akademik Anak di Indonesia. *Jurnal Wacana Kesehatan*, 7(2), 54. <https://doi.org/10.52822/jwk.v7i1.403>
- Moka, R., Sudheer, M., & Kumar, P. (2025). Unraveling the Genetic and Phenotypic Complexity of Down Syndrome from Trisomy 21 to Comorbid Conditions. *International Journal of Genetics and Genomics*, 13(2), 42–50. <https://doi.org/10.11648/j.ijgg.20251302.14>

- Moncada Arita, W. A., Perdomo Domínguez, E. S., Rivera Caballero, A. Y., Espinoza-Moreno, N. A., Zavala Galeano, M. E., DuPont, B. R., & Ramos-Zaldívar, H. M. (2022). Multi-tissue cytogenetic analysis for the diagnosis of mosaic Down syndrome: A case report. *Clinical Case Reports*, 10(4). <https://doi.org/10.1002/ccr3.5604>
- Montalva-Valenzuela, F., Andrades-Ramírez, O., Ferrari, G., Adsuar, J. C., Gorla, J. I., Farías-Valenzuela, C., Mendoza-Muñoz, M., Nanjarí-Miranda, R., & Castillo-Paredes, A. (2025). Effects of exercise, physical activity and sports on physical fitness and body composition in children and adolescents with Down syndrome: a systematic review. *Discover Social Science and Health*, 5(1). <https://doi.org/10.1007/s44155-025-00241-1>
- Muñoz-Llerena, A., Ladrón-de-Guevara, L., Medina-Rebollo, D., & Alcaraz-Rodríguez, V. (2024). Impact of Physical Activity on Autonomy and Quality of Life in Individuals with Down Syndrome: A Systematic Review. *Healthcare (Switzerland)*, 12(2). <https://doi.org/10.3390/healthcare12020181>
- Nahla, M. I., El-Sayed, S. E., Ragaa, A. E. E., & El Ghafar, A. E. H. A. A. (2022). Mechanical vestibular stimulation versus traditional balance exercises in children with Down syndrome. *African Health Sciences*, 22(1), 377–383. <https://doi.org/10.4314/ahs.v22i1.46>
- Nazrien, N. M. D., Novitri, Prabowo, T., & Arisanti, F. (2024). The Role of Cognition in Balance Control. *OBM Neurobiology*, 8(1). <https://doi.org/10.21926/obm.neurobiol.2401211>
- Noman, A., Sutradhar, J., Topa, F. B., Taqui, R., Nousin, N. T., Mohanto, N. C., & Nurunnabi, S. M. (2021). Study the Occurrence of Down Syndrome Risk Factors Folate and Homocysteine Level in Pregnant Women in Sylhet Division of Bangladesh. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.3873685>
- Noroozi, F., Farrar, Z., Gharibi, T., & Gashmard, R. (2024). Family Self-Support in Managing Down Syndrome Children: A Qualitative Study. *Scientific World Journal*, 2024. <https://doi.org/10.1155/2024/9992595>
- Peroni, E., Gottardi, M., D'Antona, L., Randi, M. L., Rosato, A., & Coltro, G. (2023). Hematologic Neoplasms Associated with Down Syndrome: Cellular and Molecular Heterogeneity of the Diseases. *International Journal of Molecular Sciences*, 24(20). <https://doi.org/10.3390/ijms242015325>
- Piccardi, E. S., & Gliga, T. (2022). Understanding sensory regulation in typical and atypical development: The case of sensory seeking. *Developmental Review*, 65. <https://doi.org/10.1016/j.dr.2022.101037>

- Prayle, A., & Vyas, H. (2021). Respiratory problems in children with Down syndrome. *Paediatrics and Child Health (United Kingdom)*, 31(7), 271–275. <https://doi.org/10.1016/j.paed.2021.04.002>
- Purnomo, E., Jermaina, N., & Zainal Abidin, N. E. (2024). Sports promotion strategy for intellectual disabilities by special olympics Indonesia. *PROfesi Humas*, 9(1), 90–114. <https://doi.org/10.24198/prh.v9i1.55880>
- Ramba, M., & Bogunovic, D. (2024). The immune system in Down Syndrome: Autoimmunity and severe infections. *Immunological Reviews*, 322(1), 300–310. <https://doi.org/10.1111/imr.13296>
- Razdan, A., Arora, R., Agarwal, G., Koul, S., Sharma, V., & Kandpal, J. (2023). Nondisjunction in Trisomy 21: Origin and Mechanisms. *Asian Journal of Biochemistry, Genetics and Molecular Biology*, 15(2), 1–9. <https://doi.org/10.9734/ajbgmb/2023/v15i2328>
- Reffat, S. M. (2023). Effect of Sensory Motor Integration on Agility and Motor Coordination in Children with Down Syndrome. *Asian Journal of Science and Technology*, 14(06), 12531–12534.
- Rigoni, I., Degano, G., Hassan, M., & Fratini, A. (2023). Sensorimotor recalibration of postural control strategies occurs after whole body vibration. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-022-27117-7>
- Rodríguez-Grande, E. I., Buitrago-López, A., Torres-Narváez, M. R., Serrano-Villar, Y., Verdugo-Paiva, F., & Ávila, C. (2022). Therapeutic exercise to improve motor function among children with Down Syndrome aged 0 to 3 years: a systematic literature review and meta-analysis. *Scientific Reports*, 12(1). <https://doi.org/10.1038/s41598-022-16332-x>
- Rodríguez-Grande, E. I., Díaz Galvis, M. L., Prieto, P. C. M., Vargas-Pinilla, O. C., Torres-Narváez, M. R., & Malagón, N. R. (2024). Instruments for the assessment of quality of life in children and adolescents with down syndrome: a scoping review. *BMC Pediatrics*, 24(1). <https://doi.org/10.1186/s12887-024-05028-y>
- Saibya, R., Lepcha, L., & Ghosh, M. C. (2025). Study on Balance of School Students. *Indian Journal of YOGA Exercise & Sport Science and Physical Education*, 197–201. <https://doi.org/10.58914/ijyesspe.2024-9.spl.32>
- Salsabilla, A. H., & Rahman, F. (2023). Effects of Exercise Therapy With the Bobath Method on Balance in a Child With Spastic Diplegic Cerebral Palsy: a Case Report. *Jurnal Ilmu Dan Teknologi Kesehatan*, 14(1), 25–30. <https://doi.org/10.33666/jitk.v14i1.524>

- Sandouk, J., Hamad, S., Al Sakkal, L., & Alhalabi, M. (2025). De novo Rob translocation 45, XX, rob(13;13)(q10;q10) in a Syrian woman with recurrent miscarriages: A rare case report. *Medicine (United States)*, *104*(16), e42128. <https://doi.org/10.1097/MD.00000000000042128>
- Seassau, A. (2023). Psychomotor Development Supported by A Sensory- Motor Approach in Young Children with Down's Syndrome. *Iris Journal of Educational Research*, *2*(1). <https://doi.org/10.33552/ijer.2023.02.000526>
- Setyaningrahayu, F., Rahmanto, S., & Multazam, A. (2021). Hubungan Kejadian Flat Foot Terhadap Keseimbangan Dinamis Pada Pelajar Di Sman 3 Malang. *Physiotherapy Health Science (PhysioHS)*, *2*(2), 83–89. <https://doi.org/10.22219/physiohs.v2i2.14494>
- Shah, S., & Nanavati, N. (2024). Impact of cognitive tasks on postural stability in young and older adults. *Egyptian Journal of Otolaryngology*, *40*(1). <https://doi.org/10.1186/s43163-024-00739-6>
- Shahbaz-Borujeni, M., Sheikhhoseini, R., Mohammadi, F., & Piri, H. (2025). Assessment of the Concurrent Validity and Reliability of the Persian Version of the Pediatric Balance Scale in Schoolchildren with Down Syndrome. *International Journal of School Health*, *12*(4), 225–233. <https://doi.org/10.30476/intjsh.2025.106269.1501>
- Shanbhag, J., Wolf, A., Wechsler, I., Fleischmann, S., Winkler, J., Leyendecker, S., Eskofier, B. M., Koelewijn, A. D., Wartzack, S., & Miehling, J. (2023). Methods for integrating postural control into biomechanical human simulations: a systematic review. *Journal of NeuroEngineering and Rehabilitation*, *20*(1). <https://doi.org/10.1186/s12984-023-01235-3>
- Song, Y., Jieping, S., Tianshu, Z., Zhijun, Z., Jingxuan, Z., & Bo, W. (2022). Incidence of Down Syndrome by maternal age in Chinese population. *Frontiers in Genetics*, *13*. <https://doi.org/10.3389/fgene.2022.980627>
- Söylemez, F. (2022). Phenotypes Associated with Down Syndrome and Causative Genes. *Down Syndrome and Other Chromosome Abnormalities*. <https://doi.org/10.5772/intechopen.96290>
- Sperling, K., Scherb, H., & Neitzel, H. (2023). Population monitoring of trisomy 21: problems and approaches. *Molecular Cytogenetics*, *16*(1). <https://doi.org/10.1186/s13039-023-00637-1>
- Susilowati, E., Realita, F., & Rihadatul, G. (2023). Faktor Risiko Sindrom Down Pada Anak: Literature Review. *Jurnal Senriabdi*, *3*, 125–134. <https://jurnal.usahidsolo.ac.id/>

- Szczawińska-Popłonyk, A., Popłonyk, N., & Awdi, K. (2024). Down Syndrome in Children: A Primary Immunodeficiency with Immune Dysregulation. *Children*, *11*(10). <https://doi.org/10.3390/children11101251>
- Tiona Romauli Simamora, Suryono Yudha Patria, & Setya Wandita. (2022). Congenital heart disease, gastrointestinal defect, and low birth weight as the contributing factors for three-year survival rates among Down syndrome children in Indonesia. *Indonesia Journal of Biomedical Science*, *16*(2), 65–69. <https://doi.org/10.15562/ijbs.v16i2.409>
- Tun, M. T., Aye, T., Htut, T. Z. C., Mar Tin, W., & Khin, M. T. (2023). Fundamental motor skill proficiency among 7- to 10-year-old children with Down syndrome. *Journal of Physical Therapy Science*, *35*(1), 1–6. <https://doi.org/10.1589/jpts.35.1>
- Tunç, E., & Ilgaz, S. (2022). Robertsonian translocation (13;14) and its clinical manifestations: a literature review. *Reproductive BioMedicine Online*, *45*(3), 563–573. <https://doi.org/10.1016/j.rbmo.2022.05.019>
- Usman Arif, Amina Shameen, Mubashra Tariq, Muhammad Aadil, Syed Muhammad Saad Hayat, & Sahiba sabber. (2024). Effect of Aerobic Exercise on Static & Dynamic Balance in Children with Down Syndrome. *Journal of Health and Rehabilitation Research*, *4*(2), 1666–1669. <https://doi.org/10.61919/jhrr.v4i2.1202>
- Vandoni, M., Giuriato, M., Pirazzi, A., Zanelli, S., Gaboardi, F., Carnevale Pellino, V., Gazzarri, A. A., Baldassarre, P., Zuccotti, G., & Calcaterra, V. (2023). Motor Skills and Executive Functions in Pediatric Patients with Down Syndrome: A Challenge for Tailoring Physical Activity Interventions. *Pediatric Reports*, *15*(4), 691–706. <https://doi.org/10.3390/pediatric15040062>
- Vasani, P., Narayan, A., Nayak, A., Alsulaimani, M., & Alzahrani, A. R. (2025). Anticipatory and Compensatory Postural Adjustments in Sitting and Standing Positions During Functional Activities in Children With Cerebral Palsy. *Physiotherapy Research International*, *30*(1). <https://doi.org/10.1002/pri.70028>
- Wardani, N. K., Kusumawardani, M. K., Mayangsari, J. A., & Wulan, S. M. M. (2022). Correlation between One Leg Stand Test and Paediatric Balance Scale in children aged 7-12 years. *Sri Lanka Journal of Child Health*, *51*(2), 204–208. <https://doi.org/10.4038/sljch.v51i2.10118>
- Wawan, W., Siantoro, G., & Khamidi, A. (2024). Kemampuan Keseimbangan Dan Koordinasi Pada Siswa Kelas 3 Dan 4 Sekolah Dasar. *Jambura Health and Sport Journal*, *6*(2), 133–145. <https://doi.org/10.37311/jhsj.v6i2.26840>

- Wiwi Mardiah. (2022). Intervensi Stimulasi Motorik, Afektif, Dan Kognitif Pada Anak Dengan *Down Syndrome*: a Narrative Review. *Jurnal Cakrawala Ilmiah*, 2(3), 983–1002. <https://doi.org/10.53625/jcijurnalcakrawalailmiah.v2i3.4034>
- Xiao, J., Liu, L., Tang, N., & Yi, C. (2024). Effects of exercise intervention on balance function in children with cerebral palsy: a systematic review and meta-analysis of randomized controlled trials. *BMC Sports Science, Medicine and Rehabilitation*, 16(1). <https://doi.org/10.1186/s13102-024-00922-5>
- Yana, M., Kavlak, E., & Güneş, M. (2024). Combined sensory integration therapy plus neurodevelopmental therapy (NT) versus NT alone for motor and attention in children with Down syndrome: a randomized controlled trial. *International Journal of Developmental Disabilities*, 70(5), 849–856. <https://doi.org/10.1080/20473869.2022.2152166>
- Yang, W., Liang, X., & Sit, C. H. P. (2022). *Physical activity and mental health in children and adolescents with intellectual disabilities: a meta-analysis using the RE-AIM framework*. *International Journal of Behavioral Nutrition and Physical Activity*, 19(1). <https://doi.org/10.1186/s12966-022-01312-1>
- Yasmasitha, Z., & Sidarta, N. (2020). Hubungan pes planus dan keseimbangan statis pada anak sekolah dasar. *Jurnal Biomedika Dan Kesehatan*, 3(2), 84–89. <https://doi.org/10.18051/jbiomedkes.2020.v3.84-89>
- Yunus, F. T., Widagda, I. M., & Isma, R. (2024). The Effect Of Sensory-Motor Virtual Reality on Balance in Children with Clinical Down Syndrome. *Jurnal Kedokteran Diponegoro (Diponegoro Medical Journal)*, 13(2), 66–71. <https://doi.org/10.14710/dmj.v13i2.42137>
- Zevanya, E. (2025). Sindrom Down: Skrining, Diagnosis, dan Konsekuensi Kesehatan. *Cermin Dunia Kedokteran*, 52(2), 90–99. <https://doi.org/10.55175/cdk.v52i2.1368>
- Zevanya, E., Indrarto, W., Lestari, D., & Widagdo, T. M. M. (2024). *Maternal Age Increases the Risk of Down Syndrome: a Case-Control Study in Yogyakarta, Indonesia*. *Berkala Ilmiah Kedokteran Duta Wacana*, 9(1). <https://doi.org/10.21460/bikdw.v9i1.636>
- Zulfikar, H., & Solikhah, N. (2024). Penerapan Konsep Arsitektur Empati Dalam Mengintegrasikan Fasilitas Terapi Dan Pendidikan Bagi Penyandang *Down Syndrome*, Jakarta Utara. *Jurnal Sains, Teknologi, Urban, Perancangan, Arsitektur (Stupa)*, 6(1), 361–372. <https://doi.org/10.24912/stupa.v6i1.27193>