

## **REFERENCES**

- [1] Australia/ New Zealand Standard for Safety of machinery, AS/NZS 4024:1703, 2014, Vol. 49, No. 14, 15 , pp. 1538–1546.
- [2] M. V. R. De Wall, "The effect on sitting posture of a desk with a 10 degrees inclination for reading and writing," 1991, pp. 575-584.
- [3] M. A. Khalid and S. Al-Saleh, "Ergonomically adjustable school furniture for male students," Educational Research and Reviews, vol. 8, pp. 943-955, 10 July 2013 .
- [4] S. H. Y. K. R. Lin, "Designing “Height” into Daily Used Products - A Case Study of Universal Design," Department of Crafts and Design, vol. 16, 2007.
- [5] S. P. W. C. McCaughey, "The Impact of School Environments:," University of Newcastle. pp.24.
- [6] A. T. S. Mohamed and Z. Ramadan, "User perceived exertion, work posture and muscle activity while doing engineering drawing using adjustable and fixed table's heights," IOSR Journal Of Humanities And Social Science, vol. 21, no. 12, pp. 7 - 12, 12 2006.
- [7] United Nations Educational, "School furniture handbook," UNESCO, Paris, pp. 91,1979.
- [8] Indian Standard for school furniture, classroom chairs and tables - recommendations, IS 4837:1990, 1991.
- [9] M. B. T. Fatma , "An Investigation into Learners' Perceptions of Ergonomics in the Classrooms at school of Physical Education and Sports," Life Science Journal , no. 10, pp. 714 -720, 2013.
- [10] D. T. C. Bennett, "Ergonomics for Children and Educational Environments – Around the World," 25 June 2003.
- [11] M. J. A. Salah and R. Agha, "Neural network and multiple linear regression to predict school children dimensions for organic school furniture design," Applied Ergonomics, pp. 979-984, 30 01 2012.
- [12] I. B. A. M. Z. Bogdanović, "School desks and incorrect lordotic body posture," State University of Novi Pazar,Serbia, Jagodina, Serbia, 2012.
- [13] E. Wheatley, “Officeline: Scientific design criteria from an ergonomical viewpoint,” 2012. [Online]. Available: [www.officeline.se](http://www.officeline.se). [Accessed 10 04 2017].
- [14] Physiopedia UK, "[http://www.physio-pedia.com/File:Hamstring\\_tendons.png](http://www.physio-pedia.com/File:Hamstring_tendons.png)," [Online]. [Accessed 22 04 2017].

- [15] M. S. H. P. C. Parcells, "Mismatch of Classroom Furniture and Student Body Dimensions: Empirical Findings and Health Implications," *Journal of Adolescent Health*, pp. 265-273, 1999.
- [16] J. D. A. Abeysekera, "Design requirements and dimensions for a comfortable work seats for Sri Lankans," *Division of Occupational Hygiene*, Colombo, 1985.
- [17] E. N. Corlett, "Background to sitting at work: research-based requirements for the design of work seats," *Ergonomics*, vol. 49, p. 1538–1546, 15 11 2006.
- [18] C. B. A. D. Tien, "Ergonomics for Children and Educational Environments around the World," Seoul, 2003.
- [19] S. J. H. Shin, C. Amor and Y. Jurng, "Policy Standards for Children's Furniture in Environmental Design," *Policy & The Environment*, pp. 68-74, June 2010.
- [20] H. I. Castellucci, "Applying different equations to evaluate the level of mismatch between students and school furniture," *Applied Ergonomics*, vol. 45, 2014.
- [21] H. S. A. S. Admankar, "Anthropometric measurements of teenagers," *Asian Journal of Home Science*, vol. 6, no. 2, pp. 169-173, 2011.
- [22] R. L. Y. Kang, "Ergonomic Design of Desk and Chair for Primary School students in Taiwan", Department of Industrial Design, Mingchi Institute of Technology, Taiwan.
- [23] H.I. Castellucci, "Analysis of the most relevant anthropometric dimensions for school furniture selection based on a study with students from one Chilean region," *Applied Ergonomics*, 2015.
- [24] M. Tunay and K. Melemez, "An analysis of biomechanical and anthropometric parameters on classroom furniture design," *African Journal of Biotechnology*, vol. 07(8), pp. 1081-1086, 17 04 2008.
- [25] G. C. Khaspuri, S. K. Sau and P. C. Dhara "Anthropometric Consideration for Designing Class Room Furniture in Rural Schools," *Ergonomics and Sports Physiology Division, Department of Human Physiology with Community Health, Vidyasagar University, West Bengal, India, 2007.*
- [26] R. Hafezi, S.J. Mirmohammad, A.H. Mehrparva, H. Akbari and H. Akbari "An Analysis of Anthropometric Data on Iranian Primary School Children," *Iranian J Publ Health* , vol. 39, no. 4, pp. 78-86, 2010.
- [27] D. Kee, "Evaluation of Integral Seat Desk used in Universities based on KS/ISO Standard and Questionnaire Survey," pp. 125-134, 2014.

- [28] M. D. Kaya, "A Research on Updating of Anthropometric Measurements," in 1st International Symposium on Sustainable Development, 2009.
- [29] J. D. A. Abeysekera and H. Shahnavaz, "Body size data of Sri Lankan workers and comparison with other populations in the world: its impact on the use of imported goods," Center of economics of developing countries, pp. 67-68, 23 11 1987.
- [30] A.S.M. Hoque, M. S. Parvez, W. Akram and H. Uddin, "Ergonomic design of classroom furniture for High School students of Bangladesh," in SSRG International Journal of Industrial Engineering (SSRG-IJIE), 2016.
- [31] B. Biswas, F. B. Zahid, Rahat Ara, M.S. Parvez and A.S.M. Hoque, "Mismatch between classroom furniture and anthropometric measurements of Bangladeshi primary school students," in International Conference on Mechanical, Industrial and Energy Engineering 2014, 2014.
- [32] O. D. Akinyemi, "Anthropometric design of furniture for use in tertiary institutions in Abeokuta, Southwestern Nigeria," Engineering Review, vol. 33, no. 3, pp. 179-192, 2013.
- [33] A. Oladapo, "Models for predicting body dimensions needed for furniture design of junior secondary school one to two students," The International Journal Of Engineering And Science , vol. 4, no. 4, pp. 23-36, 2015.
- [34] I. Malkoc1, M. D. Kaya, O. Erdogan, A. Kara1, H. Yesilyurt and B. Ozkan, "Are New Generations Getting Bigger in Size? Anthropometric Measurements in Erzurum," Journal of Medicine, 2014.
- [35] Y. M. Shahir and K.K. S. Casey, "Design and Development of Foot Stand Parameters for Machining Laboratory at Malaysian University," International Conference on Design and Concurrent Engineering, Malaysia, 2010.
- [36] M. K. A. Syazwan, "Poor sitting posture and a heavy schoolbag as contributors to musculoskeletal pain in children: an ergonomic school education intervention program," Journal of Pain Research, pp. 287-296, 2011.
- [37] J. John and A. Roebuck, Anthropometric Methods: Designing to fit the human body, California: Human Factors and Ergonomics Society, 1995.
- [38] R. Motmansa, "Evaluation of three types of school furniture according to European Standard 1729," Product Ergonomics Research Centre, Katholieke Hogeschool Limburg, Genk, Belgium.
- [39] D. C. D. Reis, A. C. Bornia, D. F. Andrade and A. R. P. Moro, "Development and validation of instrument for ergonomic evaluation of tablet arm chairs," EXCLI Journal 2016, pp. 671-686, 07 11 2016.

- [40] I. Castellucci, M. A. Gonçalves and P. M. Arezes, "Ergonomic Design of School Furniture: Challenges for the Portuguese Schools".
- [41] A. Gardner, "Back Pain in Children and Young People," FRCS BackCare Trustee and Consultant in Spinal Disorders, London, 2005.
- [42] ISO Standard for basic human body measurements for technological design, ISO 7250-1,2008.
- [43] " Sample Size in Statistics (How to Find it): Excel, Cochran's Formula, General Tips?," [Online]. Available: <http://www.statisticshowto.com>. [Accessed 05 May 2018].
- [44] "Engineering statistics handbook," [Online]. Available: <http://www.itl.nist.gov>, [Accessed 02 May 2017].