

REFERENCES

- Ahamed, N. U., Yusof, Z. B. M., Alqahtani, M., Altwijri, O., Rahman, S. A. M. M., & Sundaraj, K. (2015). Gender Effects in Surface Electromyographic Activity of the Biceps Brachii Muscle during Prolonged Isometric Contraction. *Procedia Computer Science*, *61*, 448–453. <https://doi.org/10.1016/j.procs.2015.09.185>
- Amrutkar, A. S., & Rajhans, N. R. (2017). Ergonomic Posture for Motorcycle Riding ., (April 2011).
- Ayako Higashihara, Takashi Ono, Yasuharu Nagano, T. F. (2014). FUNCTIONAL DIFFERENCES IN THE HAMSTRING MUSCLES DURING SPRINTING.
- Badan Pusat Statistik. (2018). Perkembangan Jumlah Kendaraan Bermotor Menurut Jenis, 1949-2016. Retrieved April 20, 2018, from <https://www.bps.go.id/linkTableDinamis/view/id/1133>
- Balasubramanian, V., & Jagannath, M. (2014). Detecting motorcycle rider local physical fatigue and discomfort using surface electromyography and seat interface pressure. *Transportation Research Part F: Traffic Psychology and Behaviour*, *22*, 150–158. <https://doi.org/10.1016/j.trf.2013.12.010>
- Birdger, R. (2003). *Introduction to Ergonomics second edition*. London: Taylor & Francis.
- Bustan, M. (2000). *Epidemiologi Penyakit Tidak Menular*. Jakarta: Rineka Cipta.
- Chen, H. C., Chen, W. C., Liu, Y. P., Chen, C. Y., & Pan, Y. T. (2009). Whole-body vibration exposure experienced by motorcycle riders - An evaluation according to ISO 2631-1 and ISO 2631-5 standards. *International Journal of Industrial Ergonomics*, *39*(5), 708–718. <https://doi.org/10.1016/j.ergon.2009.05.002>
- Cioni R, Giannini F, Paradiso C, et al. (1988). Differences between surface EMG in male and female subjects evidenced by automatic analysis. *Electroencephalography and Clinical Neurophysiology*, *70*(4), 306–312.
- Criswell, E. (2011). *Surface Electromyography, Second Edition*. Canada: Jones & Bartlett.
- Dieterle, T. (2012). Blood pressure measurement--an overview. *Swiss Medical Weekly*, *142*(January 2012), w13517. <https://doi.org/10.4414/smw.2012.13517>
- Don B. Chaffin, Gunnar B. J. Andersson, B. M. (1999). *Occupational Biomechanics*. New York: John Wiley & Son.
- E., S. (2007). Perbedaan Tekanan Darah Sebelum dan Sesudah Terpapar Panas Pada Pekerja Bagian Moulding Perum PerhutaniUnit 1 Jawa Tengah.
- Enoka, R. M., & Duchateau, J. (2008). Muscle fatigue: What, why and how it influences muscle function. *Journal of Physiology*, *586*(1), 11–23.

- <https://doi.org/10.1113/jphysiol.2007.139477>
- European Agency for Safety and Health at Work. (2003). *Expert forecast on emerging physical risks related to occupational safety and health*. Bilbao.
- Evans, G. W. (2006). Child Development and the Physical Environment. *Annual Review of Psychology*, 57(1), 423–451. <https://doi.org/10.1146/annurev.psych.57.102904.190057>
- Glenmark, B. (2004). Difference in skeletal muscle function in males vs. females: role of estrogen receptor-. *AJP: Endocrinology and Metabolism*, 287(6), E1125–E1131. <https://doi.org/10.1152/ajpendo.00098.2004>
- Grandjean, E. (1988). *Fitting the Task to the Man: A Text book of Occupational Ergonomic*. New York: Taylor & Francis.
- Halim, I., Omar, A. R., Saman, A. M., & Othman, I. (2012). Assessment of Muscle Fatigue Associated with Prolonged Standing in the Workplace. *Safety and Health at Work*, 3(1), 31–42. <https://doi.org/10.5491/SHAW.2012.3.1.31>
- Harwood, D.L. Edwards, J. M. J. (2011). *Age- and sex-related differences for electromyography gaps during daily activity*. *Gait & Posture* 34.
- Hines, C. B. (2004). Time-of-Day Effects on Human Performance. *Catholic Education: A Journal of Inquiry and Practice*, 7(3), 390–413.
- Humantech. (2003). *Applied ergonomics training manual*. Barkeley Australia: Humantech Inc.
- Ikeda, T., & Aoyagi, O. (2009). Relationships between Gender Difference in Motor Performance and Age , Movement Skills and Physical Fitness among 3- to 6-year-old Japanese Children based on Effect Size Calculated by Meta-analysis. *Growth and Development*, 5, 9–23.
- Joyner, M. J., & Casey, D. P. (2015). Regulation of Increased Blood Flow (Hyperemia) to Muscles During Exercise: A Hierarchy of Competing Physiological Needs. *Physiological Reviews*, 95(2), 549–601. <https://doi.org/10.1152/physrev.00035.2013>
- Kaur, D., Singh, A., Najwatul, N., Akmal, A., Rahman, A., Rajikan, R., ... Yee, Y. H. (2015). Balance and Motor Skills among Preschool Children Aged 3 to 4 Years Old . *Malaysian Journal of Medicine and Health Sciences*, 11(January), 63–68.
- Konrad, P. (2005). *The ABC of EMG: A Practical Introduction to Kinesiological Electromyography*. USA: Noraxon Inc.
- Mahdi Sharif-Alhoseini, V. R.-M. and A. R. V. (2012). Underlying Causes of Paresthesia. *Intech Publisher*.
- Michael, R. (2001). Physical, Psychosocial and Work Organization Factors on Injury/illness Absences.
- Mitchell, T. (2008). *The Great Stretching Debate*. (Sally Longyear (ed), Ed.).

- Nakashima, A. M. (2004). The effect of vibration on human performance and health: A review of recent literature.
- NIOSH. (1997). *Musculoskeletal Disorders and Workplace Factors: A Critical Review of Epidemiologic Evidence for Work Related Musculoskeletal Disorders*. *Musculoskeletal Disorders and Workplace Factors: A Critical Review of Epidemiologic Evidence for Work Related Musculoskel.*
- Noor Faradila Paiman, Akmalia Shabadin, A. H. A. and M. S. S. (2014). Child Motorcycle Pillion Rider Anthropometric Measurement.
- Osborne, D. J. (1995). *Ergonomics at work human factor in design and development*. Chicester: Sons ltd.
- Oguntibeju, O., Owonuwa, & Odunaiya, N. (2014). Ergonomic suitability of educational furniture and possible health implications in a university setting. *Advances in Medical Education and Practice*, 1. <https://doi.org/10.2147/AMEP.S38336>
- Ohlsson K, Attewell R, S. S. (1989). Self-reported symptoms in the neck and upper limbs of female assembly workers. *Scand J Work Environ Health*.
- Onishi, H., Yagi, R., Oyama, M., Akasaka, K., Ihashi, K., & Handa, Y. (2002). EMG-angle relationship of the hamstring muscles during maximum knee flexion. *Journal of Electromyography and Kinesiology*, 12(5), 399–406. [https://doi.org/10.1016/S1050-6411\(02\)00033-0](https://doi.org/10.1016/S1050-6411(02)00033-0)
- OSHA. (2000). *Ergonomics : The study of work*. Department of Labour.
- Pheasant, S. (1991). *Ergonomics, work and health*. Maryland: Aspen Publishers: Gaithersburg.
- Phillips, S. (1999). The continuing problem of OOS in the office, 14.
- Rash, G. (1999). Electromyography Fundamentals. Retrieved April 20, 2017, from <http://myweb.wvu.edu/~chalmers/EMGfundamentals.pdf>
- Rashid, H., Omar, A. R., Ahmad, I. N., Mohamed, Z., Wan Fauzi, W. M. S., Mahmud, Z., & Haron, R. (2017). Motorcyclists' prolonged riding simulation: The setup and procedures. *Journal of Mechanical Engineering, SI 4(5)*, 197–208.
- Renshaw, D., Bice, M. R., Cassidy, C., James, a, & Powell, D. W. (2010). A Comparison of Three Computer-based Methods Used to Determine EMG Signal Amplitude. *International Journal of Exercise Science*, 3, 43–48.
- Ricardo, L., Luiz, J., Bigliassi, M., Dias Kanthack, T. F., de Moraes, A. C., & Abrao, T. (2012). Influence of Different Strategies of Treatment Muscle Contraction and Relaxation Phases on EMG Signal Processing and Analysis During Cyclic Exercise. *Computational Intelligence in Electromyography Analysis - A Perspective on Current Applications and Future Challenges*, (October). <https://doi.org/10.5772/50599>
- Richard Fitzpatrick. (2013). Oscillations and waves. Texas: Taylor & Francis Group.

- Saulia, L. (2001). *Pengembangan Metoda Pengukuran Beban Kerja Lokal dengan Menggunakan Elektromiografi (EMG)*. Bogor.
- Saunders, T. J., Chaput, J. P., Goldfield, G. S., Colley, R. C., Kenny, G. P., Doucet, E., & Tremblay, M. S. (2013). Prolonged sitting and markers of cardiometabolic disease risk in children and youth: A randomized crossover study. *Metabolism: Clinical and Experimental*, 62(10), 1423–1428. <https://doi.org/10.1016/j.metabol.2013.05.010>
- Shivakumara BS. and Sridhar V. (2010). Study of vibration and its effect on health of the motorcycle rider. *Journal of Health and Allied Sciences*, 9(2).
- Soewardi, H., Anugraheni, A. R., & Shabrina, N. (2015). Analysis of Electromyography on Computer Interaction Devices to the Risk of Carpal Tunnel Syndrome. <https://doi.org/10.17706/jcp.10.5.3>
- Tan HC & Horn SE. (1998). *Practical manual of physical medicine and rehabilitation*. St. louis.
- Tarwaka, B. S. (2004). *Ergonomi untuk Kesehatan dan Keselamatan Kerja dan Produktivitas*. Surakarta: UNIBA Press.
- Vernier.com. (2012). Logger Pro Now Offers Digital Filtering and New Digital Control Unit Options. Retrieved from <https://www.vernier.com/news/2012/10/01/logger-pro-now-offers-digital-filtering-and-new-digital-control-unit-options/>
- Wan, J. J., Qin, Z., Wang, P. Y., Sun, Y., & Liu, X. (2017). Muscle fatigue: General understanding and treatment. *Experimental and Molecular Medicine*, 49(10), e384-11. <https://doi.org/10.1038/emm.2017.194>
- Wandani, F. P., Siti, M., Yamamoto, M., & Yoshida, Y. (2016). Spatial econometric analysis of automobile and motorcycle traffic on Indonesian national roads and its socio-economic determinants: Is it local or beyond city boundaries? *IATSS Research*, (February). <https://doi.org/10.1016/j.iatssr.2017.07.001>
- WHO. (2005). *Deaths from Coronary Heart Disease*.
- Www.vernier.com. (n.d.). Logger Pro Now Offers Digital Filtering and New Digital Control Unit Options. Retrieved March 24, 2018, from <https://www.vernier.com/news/2012/10/01/logger-pro-now-offers-digital-filtering-and-new-digital-control-unit-options/>