

DAFTAR PUSTAKA

- [1] H. J. Hedrich dan G. R. Bullock, *The Laboratory Mouse (The Handbook of Experimental Animals)*, Elsevier Academic Press, 2004.
- [2] L. Demetrius, "Of mice and men," *EMBO reports*, vol. 6, no. S1, p. S39–S44, 2005.
- [3] X. Hu, J. P. Charles, T. Akay, J. R. Hutchinson dan S. S. Blemker, "Are mice good models for human neuromuscular disease? Comparing muscle excursions in walking between mice and humans," *Skeletal Muscle*, vol. 7, 2017.
- [4] C. N. Mutiarahmi, T. Hartady dan R. Lesmana, "Use of mice as experimental animals in laboratories that refer to the principles of Animal Welfare: A literature review," *Indonesia Medicus Veterinus*, vol. 10, no. 1, pp. 134-145, 2021.
- [5] N. Nazmi, A. A. Rahman, S. A. Mazlan, H. Zamzuri dan M. Mizukawa, "Electromyography (EMG) based Signal Analysis for Physiological Device Application in Lower Limb Rehabilitation," dalam *International Conference on Biomedical Engineering (ICoBE)*, Penang, 2015.
- [6] C. D. Luca, "Electromyography," dalam *Encyclopedia of Medical Devices and Instrumentation*, Boston, John Wiley Publisher, 2006, pp. 98-109.
- [7] S. Arjunan, D. Kumar, C. Kalra, J. Burne dan T. Bastos, "Effect of age and gender on the surface electromyogram during various levels of isometric contraction," dalam *33rd Annual International Conference of the IEEE EMBS*, Boston, 2011.



- [8] R. Merletti dan P. J. Parker, *Electromyography: Physiology, Engineering, and Non-Invasive Applications*, Wiley-IEEE Press, 2004.
- [9] M. D. F. Ma'as, A. Z. U. Azmi, M. dan S. , “Real-time Muscle Fatigue Monitoring Based on Median Frequency of Electromyography Signal,” dalam *5th International Conference on Instrumentation, Control, and Automation (ICA)*, Yogyakarta, 2017.
- [10] H. Yamada, M. Okada, T. Oda, S. Nemoto, T. Shiozaki, T. Kizuka, S. Kuno dan T. Masuda, “Effects of aging on EMG variables during fatiguing isometric contractions,” *Journal of Human Ergology*, vol. 29, pp. 7-14, 2000.
- [11] L. I. Gerasimova, T. V. Varlamova, E. G. Antonen, E. S. Antropova dan A. Y. Meigal, “Age-Related Changes in Turn-Amplitude Characteristics of the EMG Recorded during Graded Isometric Contraction,” *Human Physiology*, vol. 30, no. 3, pp. 358-363, 2004.
- [12] K. G. Pearson, H. Acharya dan K. Fouad, “A new electrode configuration for recording electromyographic activity in behaving mice,” *Journal of Neuroscience Methods*, vol. 148, no. 1, pp. 36-42, 2005.
- [13] K. Herrmann, F. Pistollato dan M. L. Stephens, “Beyond the 3Rs: Expanding the use of human-relevant replacement methods in biomedical research,” *ALTEX*, vol. 36, no. 3, pp. 343-352, 2019.
- [14] E. C. Bryda, “The Mighty Mouse: the impact of rodents on advances in biomedical research.,” *Missouri medicine*, vol. 110, no. 3, pp. 207-211, 2013.
- [15] “SCID Mouse: Image Details - NCI Visuals Online,” National Cancer Institute, [Online]. Available: <https://visualsonline.cancer.gov/details.cfm?imageid=2709>. [Diakses 3 January 2023].



- [16] R. J. Seeley dan O. A. MacDougald, "Mice as experimental models for human physiology: when a few degrees in housing temperature matter," *Nature metabolism*, vol. 3, no. 4, p. 443–445, 2021.
- [17] "Why are mice considered excellent models for humans?," The Jackson Laboratory, [Online]. Available: <https://www.jax.org/why-the-mouse/excellent-models>. [Diakses 26 Juli 2022].
- [18] M. A. Suckow, P. Danneman dan C. Brayton, *The Laboratory Mouse*, CRC Press, 2001.
- [19] S. J. Jackson, N. Andrews, D. Ball, I. Bellantuono, J. Gray, L. Hachoumi, A. Holmes, J. Latcham, A. Petrie, P. Potter, A. Rice, A. Ritchie, M. Stewart, C. Strepka, M. Yeoman dan K. Chapman, "Does age matter? The impact of rodent age on study outcomes," *Laboratory Animals*, pp. 160-169, 2017.
- [20] S. Wang, X. Lai, Y. Deng dan Y. Song, "Correlation between mouse age and human age in anti-tumor research: Significance and method establishment," *Life Sciences*, vol. 242, 2020.
- [21] Boundless.com, "Anatomy and Physiology (Boundless) | Characteristics of Muscle Tissue," Boundless.com. [Online]. [Diakses 31 Juli 2022].
- [22] B. Bordoni dan M. Varacallo, "Anatomy, Bony Pelvis and Lower Limb, Gastrocnemius Muscle," StatPearls Publishing, 2018.
- [23] D. A. Bunker, "Selection of fuels for muscle contraction," [Online]. Available: <https://www.david-bender.co.uk/metabonline/central/musclefuels/fuels4.html>. [Diakses 1 January 2023].
- [24] R. Merletti dan P. A. Parker, "Applications in Rehabilitation Medicine and Related Fields," dalam *Electromyography: Physiology, Engineering, and*



Noninvasive Applications, New Jersey, John Wiley & Sons, Inc., 2004, pp. 403-433.

- [25] R. Merletti, D. Farina, M. Gazzoni dan M. P. Schieroni, "Effect of age on muscle functions investigated with surface electromyography," *Muscle & Nerve*, vol. 25, pp. 65-76, 2002.
- [26] J. M. Shefner dan L. Simionescu, "Electromyography (EMG) and Nerve Conduction Studies," *Encyclopedia of Neuroscience*, pp. 863-869, 2009.
- [27] R. Merletti dan D. Farina, "Biophysics of The Generation Of EMG Signals," dalam *Electromyography: Physiology, Engineering, and Applications*, New Jersey, John Wiley & Sons, Inc., 2016, pp. 30-53.
- [28] "Neuromuscular Junction | Structure, Function, Summary," The Human Memory, 20 Mei 2022. [Online]. Available: <https://human-memory.net/neuromuscular-junction/>. [Diakses 24 Juli 2022].
- [29] S. B. O'Sullivan dan T. J. Schmitz, "Chapter 9: Electromyography and Nerve Conduction Velocity Tests," dalam *Physical rehabilitation*, Philadelphia, F.A. Davis, 2007, pp. 273-316.
- [30] R. H. Chowdhury, M. B. I. Reaz, M. A. B. M. Ali, A. A. A. Bakar, K. Chellappan dan T. G. Chang, "Surface Electromyography Signal Processing and Classification Techniques," *Sensors*, vol. 13, no. 9, 2013.
- [31] J. Fraden, *Handbook of Modern Sensors*, San Diego: Springer Cham, 2016.
- [32] M. Z. Jamal, "Signal Acquisition Using Surface EMG and Circuit Design Considerations for Robotic Prosthesis," dalam *Computational Intelligence in Electromyography Analysis - A Perspective on Current Applications and Future Challenges*, London, 2012.
- [33] B. Gerdle, S. Karlsson, S. Day dan M. Djupsjöbacka, "Acquisition, Processing and Analysis of the Surface Electromyogram," dalam *Modern*



Techniques in Neuroscience Research, Berlin, Heidelberg, Springer, 1999, p. 705–755.

- [34] “EMG Signals | Biology for Biological Engineering,” Faculty of Engineering, University of Guelph, [Online]. Available: <https://www.soe.uoguelph.ca/webfiles/mleuniss/Biomechanics/EMG.html>. [Diakses 10 Maret 2022].
- [35] A. Gupta, T. Sayed, R. Garg dan R. Shreyam, “Emg Signal Analysis of Healthy and Neuropathic Individuals,” *IOP Conference Series: Materials Science and Engineering*, vol. 225, 2017.
- [36] K. G. Pearson, H. Acharya dan K. Fouad, “A new electrode configuration for recording electromyographic activity in behaving mice,” *Journal of Neuroscience Methods*, vol. 148, no. 1, pp. 36-42, 2005.
- [37] P. J. Whelan, “Electromyogram recordings from freely moving animals,” *Methods*, vol. 30, no. 2, pp. 127-141, 2003.
- [38] T. M. Chung, Y. M. Tian, J. M. Walston dan A. M. P. Hoke, “Increased Single-Fiber Jitter Level Is Associated With Reduction in Motor Function With Aging,” *American Journal of Physical Medicine & Rehabilitation*, vol. 97, no. 8, pp. 551-556, 2018.
- [39] D. Chugh, C. C. Iyer, X. Wang, P. Bobbili, M. M. Rich dan W. D. Arnold, “Neuromuscular junction transmission failure is a late phenotype in aging mice,” *Neurobiology of Aging*, vol. 86, pp. 182-190, 2020.
- [40] D. Marbawati dan B. Ikawati, “Kolonisasi Mus Musculus Albino Di Laboratorium Loka Litbang P2b2 Banjarnegara,” *Jurnal Litbang Pengendalian Penyakit Bersumber Binatang Banjarnegara*, vol. 5, no. 1, 2009.

