

## DAFTAR PUSTAKA

- Callaway, A. J. (2015). Measuring kinematic variables in front crawl swimming using accelerometers: A validation study. *Sensors (Switzerland)*, 15(5), 11363–11386.
- Castle, M. L. A. S. (2011). Inspiratory Muscle Fatigue Significantly Affects Breathing Frequency, Stroke Rate, And Stroke Length During 200-M Front-Crawl Swimming. *Journal of Strength and Conditioning Research*, 25(10), 2691–2695.
- Conceição, A., Silva, A., Barbosa, T. M., & Louro, H. (2013). Observation and technical characterization in swimming: 200 M Breaststroke. *Revista Brasileira de Medicina Do Esporte*, 19(1), 56–61.
- Emir Rizkanto, B., & Rusdiawan, A. (2021). Kinematics analysis of freestyle swimming athletes at the 2019 Indonesia Open Aquatic Championship (IOAC). *Jurnal SPORTIF : Jurnal Penelitian Pembelajaran*, 7(2), 206-218.
- Farizal Imansyah, & Akbar Tanjung. (2020). ANALISIS KECEPATAN RENANG GAYA BEBAS PADA ATLET SEKOLAH OLAHRAGA NEGERI SRIWIJAYA (SONS). *Jurnal Penjaskesrek*, 7(1), 188-203.
- FITRIYANTO, F. (2018). Analisis Renang Gaya Bebas ( Crawl ), 38(1).
- Kuntjoro, Bambang. 2015. ANALISIS BIOMEKANIKA PADA OLAHRAGA RENANG “ GAYA

- Karsten, B., Baker, J., Naclerio, F., Klose, A., Antonino, B., & Nimmerichter, A. (2017). The Effects of Leg Kick on the Swimming Speed and on Arm Stroke Efficiency in Front Crawl. *International Journal*, 14(2), 156- 162.
- Lätt, E., Jürimäe, J., Mäestu, J., Purge, P., Rämson, R., Haljaste, K., Keskinen, K. L., Rodriguez, F. A., & Jürimäe, T. (2010). Physiological, biomechanical and anthropometrical predictors of sprint swimming performance in adolescent swimmers. *Journal of Sports Science and Medicine*, 9(3), 398–404.
- Lomax, M., & Castle, S. (2011). Inspiratory Muscle Fatigue Significantly Affects Breathing Frequency, Stroke Rate, And Stroke Length During 200-M Front-Crawl Swimming. *Journal of Strength and Conditioning Research*, 25(10), 2691–2695.
- Pyne, D. B., & Sharp, R. L. (2014). Physical and energy requirements of competitive swimming events. *International Journal of Sport Nutrition and Exercise Metabolism*, 24(4), 351–359.
- Oktadinata, Alek. Mardian, Roli. Maryadi, Wendri. 2017. Analisis Keterampilan Renang Gaya Bebas Mahasiswa Putri Mata Kuliah Renang 1 FIK-UNJA. *JOURNAL PHYSICAL EDUCATION, HEALTH AND RECREATION*. 1 (2)

- Rusdiana, Agus. 2020. Analisis Kinematika Gerakan Track Start dalam Olahraga Renang. Bandung: Juara : Jurnal Olahraga.
- Rahima. Atiq, Ahmad. Yunitaningrum, Wiwik. 2013. KETERAMPILAN GAYA BEBAS (CRAWL) DALAM OLAHARAGA RENANG PADA MAHASISWA PENJASKESREK UNTAN. Program Studi Pendidikan Jasmani Kesehatan Dan Rekreasi FKIP Untan.
- Rahmadana, R., & Maidarman, M. 2019. Analisis Keterampilan Renang Gaya Bebas Atlet Sailfish Swimming Club Padang. Jurnal JPDO, 1(1), 14-18.
- Rezki. Jatra, Rices. Risma SM, Nova. 2019. ANALISIS TEKNIK RENANG GAYA BEBAS PADA MAHASISWA MATA KULIAH RENANG. Universitas Islam Riau. 4 (1): 258-265
- Ribeiro, J., Figueiredo, P., Morais, S., Alves, F., Toussaint, H., Vilas-Boas, J. P., & Fernandes, R. J. (2017). Biomechanics, energetics and coordination during extreme swimming intensity: effect of performance level. *Journal of Sports Sciences*, 35(16), 1614–1621.
- Saputra, Dodi. Maidarman. 2013. Analisis Teknik Gerak Renang Gaya Bebas. Program Studi Pendidikan Kepelatihan Olahraga, Fakultas Ilmu Keolahragaan, Universitas Negeri Padang. 53(9): 799-809.
- Santos, K. B. dos, Bento, P. C. B., Payton, C., & Rodacki, A. L. F. (2020). Kinematic Parameters After

Repeated Swimming Efforts in Higher and Lower Proficiency Swimmers and Para-Swimmers. *Research Quarterly for Exercise and Sport*, 91(4), 574–582.

Taladriz, S., de la Fuente-Caynzos, B., & Arellano, R. (2016). Analysis of angular momentum effect on swimming kick-start performance. *Journal of Biomechanics*, 49(9), 1789–1793.

Zamparo, P., Carrara, S., & Cesari, P. (2017). Movement evaluation of front crawl swimming: Technical skill versus aesthetic quality.

