

DAFTAR PUSTAKA

- Arif Al Arda, C. B, Muchamad. (2019). "Analisis Biomekanika pada Stroke Nomor 100 Meter Gaya Dada terhadap Swimming Velocity". Media Ilmu Keolahragaan Indonesia Volume 9. Nomor 2. Edisi Desember 2019.
- Azwar, S. 2016. *Metode Penelitian*. Yogyakarta: Pustaka Pelajar
- Beek, H. M. (1992). biomechanical of competitive front crawl swimming. 9-18.
- 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.
- Costa, M. J., Bragada, J. A., Marinho, D. A., Lopes, V. P., Silva, A. J., & Barbosa, T. M. (2013). Longitudinal study in male swimmers: A hierarchical modeling of energetics and biomechanical contributions for performance, *Journal of sport science and medicine*, 12(4), 614-622.
- Costa, M. J., Bragada, J. A., Meijias, J. E., Louro, H., Marinho, D. A., Silva, A. J., & Barbosa, T. M. (2012). Tracking the performance energetics and biomechanics of international versus national level swimmers during a competitive season. *European Journal of Applied Physiology*, 112(3), 811-820.

- 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.
- Ferreira, M. I., Barbosa, T. M., Costa, M. J., Neiva, H. P., & Marinho, D. A. (2016). Energetics, Biomechanics, and Performance in Masters' Swimmers: A Systematic Review. *Journal of Strength and Conditioning Research*, 30(7), 2069–2081.
- Ferreira, M. I., Barbosa, T. M., Neiva, H. P., Marta, C. C., Costa, M. J., & Marinho, D. A. (2015). Effect of Gender, Energetics, and Biomechanics on Swimming Masters Performance. *Journal of Strength and Conditioning Research*, 29(7), 1948–1955.
- J. Beek, Peter and Huub M. Toussaint r. (1992). "Biomechanic of competitive front crawl swimming". *Sport Medicine* 13 (1): 8-24, 1992
- John P. Troup, Ph.D (1999). "The Physiology and Biomechanics of Competitive Swimming". *Clinics in Sport Medicine* Volume 18. Number 2.

- Kuntjoro, Bambang Ferianto Tjahyo (2015) Analisa Biomekanika Pada Olahraga Renang Gaya bebas
- Latt, Evelin. (2010). "Physiological, biomechanical and anthropometrical predictors of sprint swimming performance in adolescent swimmers". Journal of Sport Science and Medicine 9, 398-404.
- M. Barbosa, Tiago (2011). "Biomechanics of Competitive Swimming Strokes".
- Pratama , Rido (2018) . "Analisis Keterampilan Renang Gaya Dada pada Atlet Renang" Jurnal Patriot ISSN: 2655-4984.
- Rusdiana, Agus (2020). "Analisis Kinematika Gerakan Track Start dalam olahraga renang". JUARA: Jurnal Olahraga. E-ISSN 2655-1896 ISSN 2443-1117.
- Suryowidodo, Bagas (2016) "Analisis Kesesuaian Keterampilan Gerak Renang Gaya Dada". Skripsi. Universitas Negeri Semarang.
- Setiawan, Tri Tunggal (2009) "Stroke Rate (SR) and Stroke Length (SL)Freestyle Swimmer Indonesian Student Participant POPNAS 2009". Sport Science Faculty UNNES.
- Vasiliadis, A. V, Kalitsis, C., Biniaris, G., & Saridis, A. (2019). Anterior Shoulder Dislocation during Breaststroke Swimming Technique: A Case Report and Review

of the Literature. Case Reports in Orthopedics, 2019, 9320569.

Wolfrum, M., Rüst, C. A., Rosemann, T., Lepers, R., & Knechtle, B. (2014). Changes in breaststroke swimming performances in national and international athletes competing between 1994 and 2011 a comparison with freestyle swimming performances. BMC Sports Science, Medicine and Rehabilitation, 6(1).

