

DAFTAR PUSTAKA

- Allen, D. G., Lamb, G. D., & Westerblad, H. (2008). Skeletal muscle fatigue: Cellular mechanisms. *Physiological Reviews*, 88(1), 287–332.
- Amawi, A., AlKasasbeh, W., Jaradat, M., Almasri, A., Alobaidi, S., Hammad, A. A., ... & Ghazzawi, H. (2024). Athletes' nutritional demands: a narrative review of nutritional requirements. *Frontiers in nutrition*, 10, 1331854.
- Anugrah, R. M., Tjahjono, K., & Kartasurya, M. I. (2017). Jus buah jambu biji merah (*Psidium guajava* L.) dapat Menurunkan Skor Atherogenic Index of Plasma. *Jurnal Gizi dan Pangan*, 12(1), 17-22.
- Arimbi, A., & Mujari, W. (2022). Pengaruh pemberian L-citrulline dalam memperlambat kelelahan otot pada atlet. *Indonesian Journal of Fundamental Sciences*, 8(1), 61–65.
- Bestwick-Stevenson, T., Toone, R., Neupert, E., Edwards, K., & Kluzek, S. (2022). Assessment of fatigue and recovery in sport: narrative review. *International journal of sports medicine*, 43(14), 1151-1162.
- Bompa, T. O., & Buzzichelli, C. (2019). *Periodization: Theory and methodology of training*. Champaign, IL: *Human Kinetics*.
- Bonilla, D. A., Pérez-Idárraga, A., Odriozola-Martínez, A., & Kreider, R. B. (2021). The 4R's framework of nutritional strategies for post-exercise recovery: A review with emphasis on new generation of carbohydrates. *International journal of environmental research and public health*, 18(1), 103.
- Burke, L. M., van Loon, L. J. C., & Hawley, J. A. (2017). Postexercise muscle glycogen resynthesis in humans. *Journal of Applied Physiology*, 122(5), 1055–1067.
- Butt, E., Altemimi, A. B., Younas, A., Butt, M. S., Jalal, M., Bhatti, M., ... & Aadil, R. M. (2025). Guava (*Psidium guajava*): A brief overview of its therapeutic and health potential. *Food Chemistry: X*, 31, 103027.
- Carr, A. C., & Maggini, S. (2017). Vitamin C and immune function. *Nutrients*, 9(11), 1211.
- Carroll, T. J., Taylor, J. L., & Gandevia, S. C. (2017). Recovery of central and peripheral neuromuscular fatigue after exercise. *Journal of applied physiology*, 122(5), 1068-1076.
- Cohen, J. (1988). *Statistical power analysis for the behavioral sciences* (2nd ed.). Lawrence Erlbaum Associates.

- Craven, J., Desbrow, B., Sabapathy, S., Bellinger, P., McCartney, D., & Irwin, C. (2021). The effect of consuming carbohydrate with and without protein on the rate of muscle glycogen re-synthesis during short-term post-exercise recovery: A systematic review and meta-analysis. *Sports Medicine-Open*, 7(1), 9.
- Danone Indonesia. (2025). Danone Group in Indonesia 2024 sustainability report. <https://danone.co.id/wp-content/uploads/2025/08/EN-Danone-Indonesia-Sustainability-Report.pdf>
- Dhotre, T., Thanawala, S., & Shah, R. (2025). Optimizing Oral Vitamin C Supplementation: Addressing Pharmacokinetic Challenges with Nutraceutical Formulation Approaches—A Mini Review. *Pharmaceutics*, 17(11), 1458.
- Doma, K., Gahreman, D., & Connor, J. (2021). Fruit supplementation reduces indices of exercise-induced muscle damage: a systematic review and meta-analysis. *European Journal of Sport Science*, 21(4), 562-579.
- Draper, N., & Whyte, G. (1997). Anaerobic performance testing-Here's a new running-based test of anaerobic performance for which you need only a stopwatch and a calculator. *Peak performance*, 96, 3-5.
- Dupuy, O., Douzi, W., Theurot, D., Bosquet, L., & Dugué, B. (2018). An evidence-based approach for choosing post-exercise recovery techniques to reduce markers of muscle damage, soreness, fatigue, and inflammation: A systematic review with meta-analysis. *Frontiers in Physiology*, 9, 403.
- Enoka, R. M., & Duchateau, J. (2016). Translating fatigue to human performance. *Medicine and Science in Sports and Exercise*, 48(11), 2228–2238.
- Fajriyah, S. N., & Oktafa, H. (2020). Studi pembuatan puding kombinasi belimbing wuluh dan jambu biji merah sebagai alternatif makanan selingan sumber antioksidan. *HARENA: Jurnal Gizi*, 1(1), 41-55.
- Fatah, F. F., Rukmana, E., Emilia, E., Firmansyah, H., & Rosmiati, R. (2024). The effect of giving sweet orange juice (*Citrus sinensis*) on the fatigue level of football athletes. *Sport and Nutrition Journal*, 6(2), 119–126.
- Filippini, T., Naska, A., Kasdagli, M. I., Torres, D., Lopes, C., Carvalho, C., ... & Vinceti, M. (2020). Potassium intake and blood pressure: a dose-response meta-analysis of randomized controlled trials. *Journal of the American Heart Association*, 9(12), e015719.
- Gomez-Cabrera, M. C., Carretero, A., Millan-Domingo, F., Garcia-Dominguez, E., Correias, A. G., Olaso-Gonzalez, G., & Viña, J. (2021). Redox-related biomarkers in physical exercise. *Redox Biology*, 42, 101956.

- Hearris, M. A., Hammond, K. M., Fell, J. M., & Morton, J. P. (2018). Regulation of muscle glycogen metabolism during exercise: Implications for endurance performance and training adaptations. *Nutrients*, 10(3), 298.
- Hill, J. A., Keane, K. M., Quinlan, R., & Howatson, G. (2021). Tart cherry supplementation and recovery from strenuous exercise: a systematic review and meta-analysis. *International journal of sport nutrition and exercise metabolism*, 31(2), 154-167.
- Hostrup, M., Cairns, S. P., & Bangsbo, J. (2021). Muscle ionic shifts during exercise: implications for fatigue and exercise performance. *Comprehensive Physiology*, 11(3), 1895-1959.
- Huang, C. T., Wen, Y. T., Desai, T. D., & Tsai, R. K. (2021). Intravitreal injection of long-acting pegylated granulocyte colony-stimulating factor provides neuroprotective effects via antioxidant response in a rat model of traumatic optic neuropathy. *Antioxidants*, 10(12), 1934.
- Jeukendrup, A. E. (2014). A step towards personalized sports nutrition: Carbohydrate intake during exercise. *Sports Medicine*, 44(Suppl 1), S25–S33.
- Jones, B., & Kenward, M. G. (2014). *Design and analysis of cross-over trials* (3rd ed.). Chapman & Hall/CRC.
- Kemenkes. (2018). *Tabel komposisi pangan Indonesia*. Jakarta: Kementerian Kesehatan RI.
- Kenney, W. L., Wilmore, J. H., & Costill, D. L. (2022). *Physiology of sport and exercise* (8th ed.). Human Kinetics.
- Khan, F. I., Akhtar, S., Qamar, M., Ismail, T., Saeed, W., Esatbeyoglu, T., & Jafari, S. M. (2025). A comprehensive review on guava: Nutritional profile, bioactive potential, and health-promoting properties of its pulp, peel, seeds, pomace and leaves. *Trends in Food Science & Technology*, 156, 104822.
- Koshinaka, K., Honda, A., Masuda, H., & Sato, A. (2020). Effect of quercetin treatment on mitochondrial biogenesis and exercise-induced AMP-activated protein kinase activation in rat skeletal muscle. *Nutrients*, 12(3), 729.
- Kumar, M., Tomar, M., Amarowicz, R., Saurabh, V., Nair, M. S., Maheshwari, C., ... & Satankar, V. (2021). Guava (*Psidium guajava* L.) leaves: Nutritional composition, phytochemical profile, and health-promoting bioactivities. *Foods*, 10(4), 752.
- Macedo, A. G., Almeida, T. A., Massini, D. A., de Oliveira, D. M., Espada, M. C., Robalo, R. A., ... & Pessôa Filho, D. M. (2024). Load monitoring methods for controlling training effectiveness on physical conditioning and planning involvement: a narrative review. *Applied Sciences*, 14(22), 10465.

- Mackenzie, B. (2008). *101 tests d'évaluations*. London: *Electric World plc*.
- Maharani, A. D., Rahmawati, A. Y., Sulistyowati, E., & Prihatin, S. (2019). Pengaruh Pemberian Jus Semangka Kuning (*Citrullus Lanatus*) Terhadap Kelelahan Otot Anaerobik Pada Atlet Sepakbola. *Jurnal Riset Gizi*, 7(1), 69-74.
- Margolis, L. M., T ALLEN, J. I. L. L. I. A. N., Hatch-McChesney, A., & Pasiakos, S. M. (2020). Coingestion of carbohydrate and protein on muscle glycogen synthesis after exercise: A meta-analysis. *Medicine and science in sports and exercise*, 53(2), 384.
- Mason, S. A., Trewin, A. J., Parker, L., & Wadley, G. D. (2020). Antioxidant supplements and endurance exercise: Current evidence and mechanistic insights. *Redox Biology*, 35, 101471.
- McDermott, B. P., Anderson, S. A., Armstrong, L. E., Casa, D. J., Cheuvront, S. N., Cooper, L., ... & Roberts, W. O. (2017). National athletic trainers' association position statement: fluid replacement for the physically active. *Journal of athletic training*, 52(9), 877-895.
- McKay, A. K., Stellingwerff, T., Smith, E. S., Martin, D. T., Mujika, I., Goosey-Tolfrey, V. L., ... & Burke, L. M. (2021). Defining training and performance caliber: a participant classification framework. *International journal of sports physiology and performance*, 17(2), 317-331.
- Merry, T. L., & Ristow, M. (2016). Mitohormesis in exercise training. *Free Radical Biology and Medicine*, 98, 123-130.
- Moritz, B., Schmitz, A. E., Rodrigues, A. L. S., Dafre, A. L., & Cunha, M. P. (2020). The role of vitamin C in stress-related disorders. *The Journal of Nutritional Biochemistry*, 85, 108459.
- Muñoz-Arrieta, R., Esquivel-Alvarado, D., Alfaro-Viquez, E., Rodriguez-Salazar, M., Alvarez-Valverde, V., Rodriguez, G., & Reed, J. D. (2021). Nutritional and chemical composition of the Costa Rican guava (*Psidium friedrichsthalianum* [O. Berg] Nied): An underexploited edible fruit with nutritional and industrial potential. *ACS Food Science & Technology*, 1(10), 1970-1978.
- Nakilcioğlu-Taş, E., & Ötleş, S. (2020). Kinetic modelling of vitamin C losses in fresh citrus juices under different storage conditions. *Anais da Academia Brasileira de Ciências*, 92(2), e20190328.
- Nara, K., Kumar, P., Rathee, R., & Kumar, J. (2022). The compatibility of running-based anaerobic sprint test and Wingate anaerobic test: a systematic review and meta-analysis. *Pedagogy of Physical Culture and Sports*, 26(2), 134-143.

- Ndlomo, K. (2022). *The effects of high-intensity training on the aerobic capacity of football players*. University of Johannesburg (South Africa).
- Ninga, K. A., Desobgo, Z. S. C., De, S., & Nso, E. J. (2021). Pectinase hydrolysis of guava pulp: Effect on the physicochemical characteristics of its juice. *Heliyon*, 7(10).
- Oktavia, I., & Sari, A. G. (2025). Comparison of vitamin C levels in fresh and packaged red guava (*Psidium guajava* L.). *Indonesian Journal of Pharmaceutical Education*, 5(3), 357–367.
- Permadi, M. R., Solikhah, D., Iqbal, M., & Damayati, R. P. (2023). The effect of red watermelon juice on the anaerobic muscle fatigue index during physical exercise. *Jurnal Gizi dan Dietetik Indonesia (Indonesian Journal of Nutrition and Dietetics)*, 47-54.
- Phillips, S. M., & Van Loon, L. J. (2011). Dietary protein for athletes: From requirements to optimum adaptation. *Journal of Sports Sciences*, 29(Suppl 1), S29–S38.
- Pickering, C., & Kiely, J. (2017). ACTN3: More than just a gene for speed. *Frontiers in Physiology*, 8, Article 1080.
- Plotkin, D. L., Roberts, M. D., Haun, C. T., & Schoenfeld, B. J. (2021). Muscle fiber type transitions with exercise training: shifting perspectives. *Sports*, 9(9), 127.
- Powers, S. K., Deminice, R., Ozdemir, M., Yoshihara, T., Bomkamp, M. P., & Hyatt, H. (2020). Exercise-induced oxidative stress: Friend or foe?. *Journal of sport and health science*, 9(5), 415-425.
- Putri, M. H., Septiyani, P., Aryani, W., & Abriyani, E. (2023). Literatur riview: penetapan kadar vitamin C pada buah jambu biji, jeruk, dan nanas, menggunakan metode spektrofotometri Uv-Vis. *Jurnal Ilmiah Wahana Pendidikan*, 9(4), 333-342.
- Rickards, L., Lynn, A., Harrop, D., Barker, M. E., Russell, M., & Ranchordas, M. K. (2021). Effect of polyphenol-rich foods, juices, and concentrates on recovery from exercise induced muscle damage: A systematic review and meta-analysis. *Nutrients*, 13(9), 2988.
- Safnowandi, S. (2022). Pemanfaatan vitamin C alami sebagai antioksidan pada tubuh manusia. *Biocaster: Jurnal Kajian Biologi*, 2(1), 1-8.
- Santos de Lima, K., Schuch, F. B., Camponogara Righi, N., Chagas, P., Hemann Lamberti, M., Puntel, G. O., ... & Ulisses Signori, L. (2023). Effects of the combination of vitamins C and E supplementation on oxidative stress, inflammation, muscle soreness, and muscle strength following acute

- physical exercise: meta-analyses of randomized controlled trials. *Critical Reviews in Food Science and Nutrition*, 63(25), 7584-7597.
- Shafe, M. O., Gumede, N. M., Nyakudya, T. T., & Chivandi, E. (2024). Lycopene: A potent antioxidant with multiple health benefits. *Journal of Nutrition and Metabolism*, 2024(1), 6252426.
- Sinaga, F. A. (2016). *Pengaruh pemberian jus buah jambu biji merah terhadap kadar haemoglobin dan VO2max pada aktifitas fisik maksimal* [Skripsi]. Universitas Negeri Medan.
- Sinaga, F. A., Risfandi, M., Ginting, M., & Fitri, K. (2017). Pengaruh pemberian jus jambu biji merah terhadap jumlah leukosit pada aktifitas fisik maksimal. *Jurnal Ilmiah Ilmu Keolahragaan*, 1(2), 114–122.
- Smith, J. A., Murach, K. A., Dyar, K. A., & Zierath, J. R. (2023). Exercise metabolism and adaptation in skeletal muscle. *Nature Reviews Molecular Cell Biology*, 24(9), 607-632.
- Stellingwerff, T., Peeling, P., Garvican-Lewis, L. A., Hall, R., Koivisto, A. E., Heikura, I. A., & Burke, L. M. (2019). Nutrition and altitude: strategies to enhance adaptation, improve performance and maintain health: a narrative review. *Sports medicine (Auckland, NZ)*, 49(Suppl 2), 169.
- Sugiyono, S. (2018). *Metode penelitian pendidikan pendekatan kualitatif, kuantitatif dan R dan D*. Bandung: Alfabeta.
- Tarigan, A. P., Harahap, N. S., & Marpaung, D. R. (2020). Pengaruh pemberian jus buah naga merah setelah latihan fisik intensitas berat terhadap jumlah leukosit. *Jurnal Keolahragaan*, 8(2), 140-147.
- Thompson, M. A. (2017). Physiological and biomechanical mechanisms of distance specific human running performance. *Integrative and comparative biology*, 57(2), 293-300.
- Timón, R., Olcina, G., Camacho-Cardenosa, M., Camacho-Cardenosa, A., Martinez-Guardado, I., & Marcos-Serrano, M. (2019). 48-hour recovery of biochemical parameters and physical performance after two modalities of CrossFit workouts. *Biology of Sport*, 36(3), 283–289.
- Vlahovich, N., Hughes, D. C., Griffiths, L. R., Wang, G., Pitsiladis, Y. P., Pigozzi, F., ... & Eynon, N. (2017). Genetic testing for exercise prescription and injury prevention: AIS-Athlome consortium-FIMS joint statement. *BMC genomics*, 18(Suppl 8), 818.
- Wang, F., Wang, X., Liu, Y., & Zhang, Z. (2021). Effects of exercise-induced ROS on the pathophysiological functions of skeletal muscle. *Oxidative medicine and cellular longevity*, 2021(1), 3846122.

- Wibawa, J. C., Wati, L. H., & Arifin, M. Z. (2020). Mekanisme vitamin C menurunkan stres oksidatif setelah aktivitas fisik. *JOSSAE: Journal of Sport Science and Education*, 5(1), 57–63.
- Widyasulistya, R., Rahmawati, A. Y., & Susiloretni, K. A. (2018). PENGARUH PEMBERIAN JUS BUAH JAMBU BIJI (*PSIDIUM GUAJAVA L*) TERHADAP KELELAHAN OTOT ANAEROB DAN KADAR GLUKOSA DARAH PADA ATLET SEPAKBOLA REMAJA DI SALATIGA TRAINING CENTER (STC). *Jurnal Riset Gizi*, 6(1), 40-47.
- Zagatto, A. M., Beck, W. R., & Gobatto, C. A. (2009). Validity of the running anaerobic sprint test for assessing anaerobic power and predicting short-distance performances. *The Journal of Strength & Conditioning Research*, 23(6), 1820–1827.

