

DAFTAR PUSTAKA

- Abe, T., Kojima K., Kearns C.F., Yohena H., dan Fukuda J. 2003. Whole Body Muscle Hypertrophy from Resistance Training: Distribution and Total Mass. *British Journal of Sports Medicine* 37(6): 543-545.
- Almatsier, Sunita. 2006. *Prinsip Dasar Ilmu Gizi*. Jakarta: PT. Gramedia Pustaka Utama
- Alza, Yessi. 2015. Hubungan Asupan Energi dan Paritas Terhadap Risiko KEK (Kekurangan Energi Kronis) pada Ibu Hamil di Kecamatan Payung Sekaki Kota Pekanbaru. *Jurnal Proteksi Kesehatan* 4(1): 59-68.
- Ardika, I Made Yama., I Nyoman Kanca, dan I Nyoman Sudarmada. 2015. Pengaruh Circuit Training Terhadap Kelincahan dan Daya Ledak Otot Tungkai. *E-Journal IKOR Universitas Pendidikan Ganesha Vol.2: 1-10*.
- Blomstrand, E., Eliasson, J., Karlsson, H.K, Köhnke, R. 2006. Branched Chain Amino Acids Activate Key Enzymes in Protein Synthesis after Physical Exercise. *The Journal of Nutrition* 136 (1):269S-273S.
- Bohl CH., dan Volpe SL. 2002. Magnesium and Exercise. *Critical Reviews in Food Science and Nutrition* 42(6): 533-563.
- Brilla, L.R., dan K.B. Gunter. 1995. Effect of Magnesium Supplementation on Exercise Time to Exhaustion. *Med. Exerc. Nutr. Health* 4:230-233.
- Brosnan, John T., dan Margaret E. Brosnan. 2006. Branched Chain Amino Acids: Enzymes and Substrate Regulation. *Journal of Nutrition* 136:207S-211S.
- Duan, Yehui., Fengna Li, Qiuping Guo, Wenlong Wang, Lingyu Zhang, Chaoyue Wen, Yulong Yin . 2018. Branched Chain Amino Acid Ratios Modulate Lipid

Metabolism in Adipose Tissues of Growing Pigs. *Journal of Functional Foods* 40:614-624.

Evandhani, Voila Devi. 2017. Pengaruh Pemberian Bolu “KACIDE” Tinggi Branched Chain Amino Acid Terhadap Pembentukan Otot pada Atlet Weight Sport. *Skripsi*. Universitas Gadjah Mada.

Ferdian, Freddy. 2010. Latihan Berbeban, Pemberian Whey Protein, dan Pertambahan Area Otot Lengan Atas pada Pria. *Skripsi*. Universitas Sebelas Maret Surakarta.

Gualano, A.B., Bozza T., Lopes D.C.P., Roschel H., Dos Santos C.A., Luiz M.M., Herbert L.J.A. 2011. Branched Chain Amino Acids Supplementation Enhances Exercise Capacity and Lipid Oxidation during Endurance Exercise after Muscle Glycogen Depletion. *The Journal of Sports Medicine and Physical Fitness* 51 (1):82-88.

Hardiyanti, Marina. 2015. Pengembangan Produk Olahan Bolu Berbahan Tepung KACIDE (Kapri, Kecap, dan Tempe Kedelai) Tinggi BCAA (Branched Chain Amino Acid) untuk Atlet Weight Sport. *Skripsi*. Universitas Gadjah Mada.

Howatson, G., Hoad M., Goodall S., Tallent J., Bell P.G., French D.N. 2012. Exercise-induced Muscle Damage is Reduced in Resistance-trained Males by Branched Chain Amino Acids: A Randomized, Double-blind, Placebo Controlled Study. *Journal of The International Society of Sports Nutrition* 9 (1) 20.

Huldani. 2018. Pengaruh Pemberian Multivitamin Fatigon Spirit Terhadap VO₂max pada Mahasiswa JPOK. *Healthy-Mu Journal* 1 (2):42-46.

Irawan, M. Anwari. 2007. Nutrisi, Energi, dan Performa Olahraga. *Sports Science Brief 1(4): 1-13.*

Jackman, Sarah R., Oliver C. Witard, Andrew Philp, Gareth A. Wallis, Keith Baar, Kevin D. Tipton. 2017. Branched Chain Amino Acid Ingestion Stimulates Muscle Myofibrillar Protein Synthesis following Resistance Exercise in Humans. *Frontiers in Physiology Vol. 8 Article 390:1-12.*

Jauhari, Mansur., Ahmad Sulaeman, Hadi Riyadi, dan Ikeu Ekayanti. 2014. Pengembangan Formula Minuman Olahraga Berbasis Tempe untuk Pemulihan Kerusakan Otot. *Jurnal Agritech 34(3): 285-290.*

Kalangi, Sonny J.R. 2014. Perubahan Otot Rangka pada Olahraga. *Jurnal Biomedik 6(3): 172-178.*

Kemenkes. 2014. *Pedoman Gizi Olahraga Prestasi.* Jakarta: Kementerian Kesehatan Republik Indonesia.

Kristiono, Natal. 2018. *Modul Permainan dan Olahraga Pencak Silat.* Semarang: Universitas Negeri Semarang.

Kriswanto, Erwin Setyo. 2015. *Pencak Silat.* Yogyakarta: Pustaka Baru Press.

Melanson, Edward L., Paul S. Maclean, James O. Hill. 2009. Exercise Improves Fat Metabolism in Muscle but Does not Increase 24-h Fat Oxidation. *Exercise and Sport Sciences Reviews 37 (2): 93-101.*

Moslehi, Nazanin., Mohammadreza Vafa, Javad Sarrafzadeh, Abbas Rahimi-Forushani. 2013. Does Magnesium Supplementation Improve Body Composition and Muscle Strength in Middle-Aged Overweight Women? A Double-Blind, Placebo-Controlled, Randomized Clinical Trial. *Biological Trace Element Research 153: 111-118.*

- Newsholme, E.A, dan Blomstrand E. 2006. Branched Chian Amino Acids and Central Fatigue. *The Journal of Nutrition* 136 (1): 274S-276S.
- Nica, Adriana Sarah., Adela Caramoci, Mirela Vasilescu, Anca Mirela I., Denis Paduraru, Virgil Maziru. 2015. Magnesium Supplementation in Top Athletes- Effects and Reccomendations. *Medicina Sportiva* 9 (1): 2482-2494.
- Novem, Putri Lintang., Budi Laksono, dan Endang Kumaidah. 2017. Perbandingan Daya Tahan Otot Ekstremitas Atas Atlet Usia Remaja Cabang Olahraga Taekwondo Nomor Poomsae dan Kyorugi. *Skripsi*. Universitas Diponegoro.
- Parahita, Astra. 2009. Pengaruh Latihan Fisik Terprogram Terhadap Daya Tahan Otot pada Siswi Sekolah Bola Voli Tugu Muda Semarang Usia 9-12 Tahun. *Skripsi*. Universitas Diponegoro.
- Penggalih, Mirza Hapsari S.T. dan Kurnia Maratus S. 2019. Dietary Intake and Strength Training Management among Weight Sports Athlete Category: Role of Protein Intake Level to Body Composition and Muscle Formation. *Asian Journal of Clinical Nutrition* 11(1): 24-31.
- Penggalih, Mirza Hapsari S.T., Mustika Cahya N.D., Rahadyana Muslichah, Kurnia Mar'atus S., Naila Alfi S., Ibtidau Niamilah, Almira Nadia. 2017. *Laporan Kajian Keseimbangan Gizi pada Atlet PPLP DIY Berbagai Cabang Olahraga*. Yogyakarta: Pusat Pengembangan Iptek dan Olahraga Nasional.
- Phillips, S.M. 2000. Short-term Training: When do Repeated Bouts of Resistance Exercise Become Training?. *Canadian Journal of Applied Physiology* 25(3): 185-193.

- Rahfiludin, Mohammad Zen., Ronny Aruben, dan Karinta Ariani S. 2018. Hubungan Pengetahuan dan Status Gizi dengan Kadar Hemoglobin dan Kebugaran Jasmani Atlet Renang Klub TCS Semarang. *Hang Tuah Medical Journal* 15 (2): 165-176.
- Randell, E.W., Mathews M., Gadag V., Zhang H., dan Sun G. 2008. Relationship between Serum Magnesium Values, Lipids, and Anthropometric Risk Factors. *Atherosclerosis* 196: 413-419.
- Rismayanthi, Cerika. 2015. Sistem Energi dan Kebutuhan Zat Gizi yang Diperlukan untuk Peningkatan Prestasi Atlet. *Jurnal Olahraga Prestasi* 11(1): 109-121.
- Rude R.K. 1993. Magnesium Metabolism and Deficiency. *Endocrinology and Metabolism Clinics of North America* 22:377-395.
- Sari, Maria Dina P. 2014. Pengembangan Kapri, Kecapir dan Tempe Kedelai (KACIDE) Sebagai Suplemen Makanan Cair Tinggi Branched Chain Amino Acid (BCAA) untuk Atlet Weight Sport. *Skripsi*. Universitas Gadjah Mada.
- Schiaffino, S., Dyar K.A., Ciciliot S., Blaauw B., Sandri M. 2013. Mechanisms Regulating Skeletal Muscle Growth and Athropy. *FEBS Journal* 280 (17): 4294-4314.
- Schoenfeld, B.J. 2010. The Mechanisms of Muscle Hypertrophy and Their Application to Resistance Training. *The Journal of Strength & Conditioning Research* 24(10): 2857-2872.
- Seo, Jang Woon dan Tae Jin Park. 2008. Magnesium Metabolism. *Electrolyte & Blood Pressure* 6: 86-95.

- Setiowati, Anies. 2014. Hubungan Indeks Massa Tubuh, Persen Lemak Tubuh, Asupan Zat Gizi dengan Kekuatan Otot. *Jurnal Media Ilmu Keolahragaan Indonesia* 4 (1): 32-38.
- Seynnes, O.R., M. de Boer, dan M.V. Narici. 2007. Early Skeletal Muscle Hypertrophy and Architectural Changes in Response to High-intensity Resistance Training. *Journal of Applied Physiology* 102: 368-373.
- Shimomura, Y., Yamamoto Y., Bajotto G., Sato J., Murakami T., Shimomura N., dan Mawatari K. 2006. Nutraceutical Effects of Branched-chain Amino Acids on Skeletal Muscle. *The Journal of Nutrition* 136(2): 529S-532S.
- Stipanuk, Martha H. dan Marie A. Caudill. 2013. *Biochemical, Physiological, and Molecular Aspects of Human Nutrition*. Lake St. Louis: Elsevier Health Sciences.
- Sudargo, Toto., Rieska Afidah, Harry Freitag, Riantina Rizky A., Resti Kurnia T., Dian Saraswati, Qomarudin. 2012. Pengaruh Suplementasi Karbohidrat, Lemak, dan Protein Terhadap Kadar Glukosa Darah dan Asam Laktat pada Atlet Pencak Silat. *Gizi Indonesia* 35 (1): 10-21.
- Volpe, Stella Lucia. 2015. Magnesium and The Athlete. *Current Sports Medicine Reports* 14 (4): 279-283.
- Wangko, Sunny. 2014. Jaringan Otot Rangka: Sistem Membran dan Struktur Halus Unit Kontraktil. *Jurnal Biomedik* 6(3): S27-32.
- Welch, Ailsa A., Jane Skinner, dan Mary Hickson. 2017. Dietary Magnesium May Be Protective for Aging of Bone and Skeletal Muscle in Middle and Younger Older Age Men and Women: Cross-Sectional Findings from the UK Biobank Cohort. *Nutrients* 9 (1189): 1-16.

Williams, Melvin H. 2005. *Nutrition for Health, Fitness, and Sport*. New York: McGraw-Hill International Edition.

Winarno, F.G. 2004. *Kimia Pangan dan Gizi*. Jakarta: PT. Gramedia Pustaka Utama.

Yoshida, Takuya., Sachika Kakizawa, Yuri Totsuka, Miho Sugimoto, Shinji Miura, Hiromichi Kumagai. 2017. Effect of Endurance Training and Branched-Chain Amino Acids on The Signaling for Muscle Protein Synthesis in CKD Model Rats Fed A Low-protein Diet. *American Journal of Physiology-Renal Physiology* 313: F805-F814.