# DAFTAR PUSTAKA

Abidin, Z., Jutomo, L. and Harini, T. S. (2019) 'Levels of anthocyanin, βeta carotene and antioxidant activity of functional biscuits flour of purple, yellow and white fleshed sweet potato', *Tropical Drylands*, 3(1), pp. 22–28. doi: 10.13057/tropdrylands/t030104.

Ademowo, O. S. (2017) 'Lipid ( per ) oxidation in mitochondria : an emerging target in the ageing process ?', *Biogerontology*, 18(6), pp. 859–879. doi: 10.1007/s10522-017-9710-z.

Albahrani, A. A. and Greaves, R. F. (2016) 'Fat-Soluble Vitamins: Clinical Indications and Current Challenges for Chromatographic Measurement.', *The Clinical biochemist. Reviews*, 37(1), pp. 27–47. Available at: http://www.ncbi.nlm.nih.gov/pubmed/27057076%0Ahttp://www.pubmed entral.nih.gov/articlerender.fcgi?artid=PMC4810759.

Aliahmat, N. S. *et al.* (2012) 'Antioxidant enzyme activity and malondialdehyde levels can be modulated by Piper betle , tocotrienol rich fraction and Chlorella vulgaris in aging C57BL / 6 mice', 67(12), pp. 1447–1454. doi: 10.6061/clinics/2012(12)16.

Alici, E. H. and Arabaci, G. (2016) 'Determination of SOD, POD, PPO and cat enzyme activities in Rumex obtusifolius L', *Annual Research and Review in Biology*, 11(3), pp. 1–7. doi: 10.9734/ARRB/2016/29809.

Aliyu, M. *et al.* (2017) 'Evaluation of the effect of co-administration of resveratrol and vitamin E on carbamazepine-induced oxidative stress in male adult wistar rats', 5(December), pp. 93–100.

Anderson, J. M. and Cribbie, R. A. (2019) 'Equivalence of Population Variances: Synchronizing the Objective and Analysi', 1, pp. 105–112.

Arazi, H., Eghbali, E. and Suzuki, K. (2021) 'Creatine supplementation, physical exercise and oxidative stress markers: A review of the mechanisms and effectiveness', *Nutrients*, 13(3), pp. 1–17. doi: 10.3390/nu13030869.

Arazi, H., Taati, B. and Suzuki, K. (2021) 'HMB Supplementation and Resistance Training: Current Overview on Inflammation, Oxidative Stress and Cardiovascular Risk Factors', *Recent Research Advances in Biology Vol. 5*, (February), pp. 155–168. doi: 10.9734/bpi/rrab/v5/7486d.

Asbaghi, O. *et al.* (2020) 'The effect of vitamin E supplementation on selected inflammatory biomarkers in adults: a systematic review and meta-analysis of randomized clinical trials', *Scientific Reports*, 10(1), pp. 1–17. doi: 10.1038/s41598-020-73741-6.

Ayala, A., Muñoz, M. F. and Argüelles, S. (2014) 'Lipid peroxidation: Production, metabolism, and signaling mechanisms of malondialdehyde and 4-hydroxy 2-nonenal', *Oxidative Medicine and Cellular Longevity*, 2014. doi: 10.1155/2014/360438.

Baj, A. *et al.* (2019) 'Synthesis , DFT Calculations , and In Vitro Antioxidant Study on Novel Carba-Analogs of Vitamin E'.

Bartlett, C. S., Jeansson, M. and Quaggin, S. E. (2017) 'Vascular Growth Factors

and Glomerular Disease Christina', *Physiology & behavior*, 176(12), pp. 139–148. doi: 10.1146/annurev-physiol-021115-105412.Vascular.

Bayrak, B. B. *et al.* (2016) 'Efficacy of antioxidant vitamins ( vitamin C , vitamin E , beta-carotene ) and selenium supplement on D-galactosamine-induced lung injury D-galaktozamin ile oluşan akciğer hasarında antioksidant vitaminlerin ( vitamin C , vitamin E , beta-karoten ) ve sel', 75(1), pp. 11 18.

Bogdanis, G. C. (2012) 'Effects of physical activity and inactivity on muscle fatigue', 3(May), pp. 1–15. doi: 10.3389/fphys.2012.00142.

Böhm, V. (2018) 'Vitamin E', *Antioxidants*, 7(3), pp. 11–12. doi: 10.3390/ANTIOX7030044.

Boriskin, P. *et al.* (2019) 'Relationship of catalase activity distribution in serum and tissues of small experimental animals', *IOP Conference Series: Earth and Environmental Science*, 403(1). doi: 10.1088/1755-1315/403/1/012113.

Bouviere, J. *et al.* (2021) 'Exercise-stimulated ros sensitive signaling pathways in skeletal muscle', *Antioxidants*, 10(4), pp. 1–21. doi: 10.3390/antiox10040537.

Brandt, N. *et al.* (2017) 'PGC-1α and exercise intensity dependent adaptations in mouse skeletal muscle', *PLoS ONE*, 12(10), pp. 1–21. doi: 10.1371/journal.pone.0185993.

Broderick, T. L. *et al.* (2019) ' Anti-inflammatory and angiogenic effects of exercise training in cardiac muscle of diabetic mice ', *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, Volume 12, pp. 565–573. doi: 10.2147/dmso.s197127.

Carfagno, D. G. and Hendrix, J. C. (2014) 'Overtraining syndrome in the athlete: Current clinical practice', *Current Sports Medicine Reports*, 13(1), pp. 45 51. doi: 10.1249/JSR.0000000000000027.

Castejón-Vega, B., Giampieri, F. and Alvarez-Suarez, J. M. (2020) 'Nutraceutical compounds targeting inflammasomes in human diseases', *International Journal of Molecular Sciences*, 21(14), pp. 1–34. doi: 10.3390/ijms21144829.

Cheng, A. J., Jude, B. and Lanner, J. T. (2020) 'Intramuscular mechanisms of overtraining', *Redox Biology*, 35, p. 101480. doi: 10.1016/j.redox.2020.101480.

Cuevas, E., Silke, M. and Peter, H. (2019) 'Anthocyanins in purple sweet potato ( Ipomoea batatas L .) Varieties Anthocyanins in Purple Sweet Potato ( Ipomoea batatas L .) Varieties', (December).

Damiano, S. *et al.* (2019) 'Dual Role of Reactive Oxygen Species in Muscle Function : Can Antioxidant Dietary Supplements Counteract Age-Related Sarcopenia ?', (1).

Dewangga, M. W. *et al.* (2021) 'Different Effects of Acute and Chronic Strenuous Physical Exercise on Superoxide Dismutase (SOD), Malondialdehyde (MDA) Levels, and Sperm Quality of the Wistar Rats', *Journal of Kerman University of Medical Sciences*, 28(6), pp. 539–547. doi: 10.22062/jkmu.2021.91825.

Dwiyanti, G., Siswaningsih, W. and Febrianti, A. (2018) 'Production of purple

sweet potato (Ipomoea batatas L.) juice having high anthocyanin content and antioxidant activity', *Journal of Physics: Conference Series*, 1013(1). doi: 10.1088/1742-6596/1013/1/012194.

El-zayat, S. R. and Sibaii, H. (2019) 'Toll-like receptors activation , signaling , and targeting : an overview', 2.

Elvana, A. *et al.* (2016a) 'Effect of Purple Sweet Potato ( Ipomoea Batatas L . ) Extract on Glutathione Peroxidase ( GPx ) Activities in Hepatic House Mice ( Mus musculus ) After Maximum Physical Exercise', 1, pp. 116–120.

Elvana, A. *et al.* (2016b) 'Effect of Purple Sweet Potato (Ipomoea Batatas L.) Extract on Glutathione Peroxidase (GPx) Activities in Hepatic House Mice (Mus musculus) After Maximum Physical Exercise', *Indonesian Journal of Medicine*, 01(02), pp. 116–120. doi: 10.26911/theijmed.2016.01.02.05.

Escribano, B. M. *et al.* (2010) 'Effects of an aerobic training program on oxidative stress biomarkers in bulls', *Veterinarni Medicina*, 55(9), pp. 422–428. doi: 10.17221/2979-VETMED.

Etikan, I. (2016) 'Comparison of Convenience Sampling and Purposive Sampling', *American Journal of Theoretical and Applied Statistics*, 5(1), p. 1. doi: 10.11648/j.ajtas.20160501.11.

Fan, W. *et al.* (2019) 'ERRγ promotes angiogenesis, mitochondrial biogenesis and oxidative remodeling in PGC1α/β-deficient muscle', 22(10), pp. 2521 2529. doi: 10.1016/j.celrep.2018.02.047.ERR.

Forrester, S. J. *et al.* (2018) 'Reactive oxygen species in metabolic and inflammatory signaling', *Circulation Research*, 122(6), pp. 877–902. doi: 10.1161/CIRCRESAHA.117.311401.

Fukai, T. and Ushio-fukai, M. (2011) 'Superoxide Dismutases ':, 15(6). doi: 10.1089/ars.2011.3999.

Gamez, C. E. *et al.* (2015) 'The Effects of High-Intensity Interval Training versus Steady-State Training on Body Fat and Fat Oxidation', *International Journal of Exercise Science: Conference Proceedings*, 9(August), p. 33.

Gellerich, F. N. *et al.* (2012) 'Cytosolic Ca 2+ regulates the energization of isolated brain mitochondria by formation of pyruvate through the malate-aspartate shuttle', *Biochemical Journal*, 443(3), pp. 747–755. doi: 10.1042/BJ20110765.

Gillen, J. B. *et al.* (2014) 'Three Minutes of All-Out Intermittent Exercise per Week Increases Skeletal Muscle Oxidative Capacity and Improves Cardiometabolic Health', i(11), pp. 1–9. doi: 10.1371/journal.pone.0111489.

Ginting, E. *et al.* (2015) 'Identifikasi Sifat Fisik, Kimia, dan Sensoris Klon-klon Harapan Ubijalar Kaya Antosianin', *Jurnal Penelitian Pertanian Tanaman Pangan*, 34(1), p. 69. doi: 10.21082/jpptp.v34n1.2015.p69-78.

Girirajan, S., Campbell, C. and Eichler, E. (2011) '乳鼠心肌提取 HHS Public Access', *Physiology & behavior*, 176(5), pp. 139–148. doi: 10.1016/j.bone.2015.03.015.Inflammation.

Goda, N. and Kanai, M. (2012) 'Hypoxia-inducible factors and their roles in energy metabolism', pp. 457–463. doi: 10.1007/s12185-012-1069-y.

Gonçalves, A. C., Nunes, A. R. and Alves, G. (2021) 'Dietary Effects of

Anthocyanins in Human Health : A Comprehensive Review', pp. 1–34.

Grandou, C. *et al.* (2020) 'Overtraining in Resistance Exercise : An Exploratory Systematic Review and Overtraining in Resistance Exercise : An Exploratory Systematic Review and Methodological Appraisal of the Literature', *Sports Medicine*, (April). doi: 10.1007/s40279-019-01242-2.

Gravina, L. *et al.* (2012) 'Influence of nutrient intake on antioxidant capacity , muscle damage and white blood cell count in female soccer players'.

Gündüz, F. *et al.* (2004) 'The Effect of One Year's Swimming Exercise on Oxidant Stress and Antioxidant Capacity in Aged Rats', *Physiological Research*, 53(2), pp. 171–176.

Gureev, A. P., Shaforostova, E. A. and Popov, V. N. (2019) 'Regulation of Mitochondrial Biogenesis as a Way for Active Longevity : Interaction Between the Nrf2 and PGC-1 α Signaling Pathways', 10(May), pp. 1–12. doi: 10.3389/fgene.2019.00435.

Guven, G., Hilty, M. P. and Ince, C. (2020) 'Microcirculation : Physiology , Pathophysiology , and Clinical Application', pp. 143–150. doi: 10.1159/000503775.

Haase, V. H. (2013) 'Regulation of erythropoiesis by hypoxia-inducible factors', *Blood Reviews*, 27(1), pp. 41–53. doi: 10.1016/j.blre.2012.12.003.

Hanusz, Z. and Tarasinska, J. (2016) 'Shapiro – Wilk test with known mean SHAPIRO – WILK TEST WITH KNOWN MEAN', (July).

Hargreaves, M. and Spriet, L. L. (2020) 'Skeletal muscle energy metabolism during exercise', *Nature Metabolism*, 2(9), pp. 817–828. doi: 10.1038/s42255-020 0251-4.

Hawley, J. A. *et al.* (2018) 'Review Maximizing Cellular Adaptation to Endurance Exercise in Skeletal Muscle', *Cell Metabolism*, 27(5), pp. 962–976. doi: 10.1016/j.cmet.2018.04.014.

He, L. *et al.* (2017) 'Antioxidants Maintain Cellular Redox Homeostasis by Elimination of Reactive Oxygen Species', *Cellular Physiology and Biochemistry*, 44(2), pp. 532–553. doi: 10.1159/000485089.

Herold, J. and Kalucka, J. (2021) 'Angiogenesis in Adipose Tissue: The Interplay Between Adipose and Endothelial Cells', *Frontiers in Physiology*, 11(February). doi: 10.3389/fphys.2020.624903.

Hop, H. T. *et al.* (2017) 'Activation of NF-κB-mediated TNF-induced antimicrobial immunity is required for the efficient Brucella abortus clearance in RAW 264.7 cells', *Frontiers in Cellular and Infection Microbiology*, 7(OCT), pp. 1–12. doi: 10.3389/fcimb.2017.00437.

I Made Jawi *et al.* (2020) 'Effective Dose and Safety Profile of Purple Sweet Potato Tablet Preparation in Rats With High Cholesterol Diet', *Paper Knowledge . Toward a Media History of Documents*.

Ighodaro, O. M. and Akinloye, O. A. (2018) 'First line defence antioxidants superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid', *Alexandria Journal of Medicine*, 54(4), pp. 287–293. doi: 10.1016/j.ajme.2017.09.001.

Im, Y. R., Kim, I. and Lee, J. (2021) 'Phenolic Composition and Antioxidant

Activity of Purple Sweet Potato ( Ipomoea batatas ( L .) Lam .): Varietal Comparisons and Physical Distribution'.

Islam, S. (2014) 'Nutritional and Medicinal Qualities of Sweetpotato Tops and Leaves'.

Jiang, Q. (2014a) 'Natural forms of vitamin E: Metabolism, antioxidant, and anti inflammatory activities and their role in disease prevention and therapy', *Free Radical Biology and Medicine*, 72, pp. 76–90. doi: 10.1016/j.freeradbiomed.2014.03.035.

Jiang, Q. (2014b) 'Natural forms of vitamin E: metabolism, antioxidant and anti inflammatory activities and the role in disease prevention and therapy', *Bone*, 23(1), pp. 1–7. doi: 10.1016/j.freeradbiomed.2014.03.035.Natural.

Johnson, T. A., Jinnah, H. A. and Kamatani, N. (2019) 'Shortage of cellular ATP as a cause of diseases and strategies to enhance ATP', *Frontiers in Pharmacology*, 10(FEB), pp. 1–19. doi: 10.3389/fphar.2019.00098.

Jung, S. and Kim, K. (2014) 'Exercise-induced PGC-1α transcriptional factors in skeletal muscle', *Integrative Medicine Research*, 3(4), pp. 155–160. doi: 10.1016/j.imr.2014.09.004.

Kawamura, T. and Muraoka, I. (2018) 'Exercise-induced oxidative stress and the effects of antioxidant intake from a physiological viewpoint', *Antioxidants*, 7(9). doi: 10.3390/antiox7090119.

Kelley, N. *et al.* (2019) 'The NLRP3 Inflammasome : An Overview of Mechanisms of Activation and Regulation', pp. 1–24.

Keppler, A. *et al.* (2007) 'Plasma creatinine determination in mice and rats: An enzymatic method compares favorably with a high-performance liquid chromatography assay', *Kidney International*, 71(1), pp. 74–78. doi: 10.1038/sj.ki.5001988.

Keszle, A., Zhang, Y. and Hogg, N. (2014) 'The Reaction between Nitric Oxide, Glutathione and Oxygen in the Presence and Absence of Protein: How are S-Nitrosothiols Formed?', *Bone*, 23(1), pp. 1–7. doi: 10.1016/j.freeradbiomed.2009.10.026.The.

Khadim, R. M. and Al-Fartusie, F. S. (2021) 'Antioxidant vitamins and their effect on immune system', *Journal of Physics: Conference Series*, 1853(1). doi: 10.1088/1742-6596/1853/1/012065.

Khoramipour, K. *et al.* (2021) 'Diseases , and Effects of Nutrition', pp. 1–15.

Kozakowska, M. *et al.* (2015) 'The role of oxidative stress in skeletal muscle injury and regeneration: focus on antioxidant enzymes', *Journal of Muscle Research and Cell Motility*, 36(6), pp. 377–393. doi: 10.1007/s10974-015 9438-9.

Krock, B. L., Skuli, N. and Simon, M. C. (2011) 'Hypoxia-Induced Angiogenesis : Good and Evil', pp. 1117–1133. doi: 10.1177/1947601911423654.

Laumonier, T. and Menetrey, J. (2016) 'Muscle injuries and strategies for improving their repair', *Journal of Experimental Orthopaedics*. doi: 10.1186/s40634-016-0051-7.

Lee, P. *et al.* (2020) 'Cellular adaptation to hypoxia through HIFs and beyond', 21(5), pp. 268–283. doi: 10.1038/s41580-020-0227-y.Cellular.

Li, A. *et al.* (2019) 'Molecules-24-03816'.

Li, L. *et al.* (2011) 'Mitochondrial biogenesis and peroxisome proliferator-activated receptor-γ coactivator-1α (PGC-1α) deacetylation by physical activity: Intact adipocytokine signaling is required', *Diabetes*, 60(1), pp. 157–167. doi: 10.2337/db10-0331.

Lian, D. *et al.* (2022) 'The Role of Oxidative Stress in Skeletal Muscle Myogenesis and Muscle Disease', pp. 1–18.

Lindholm, M. E. *et al.* (2019) 'Europe PMC Funders Group Negative regulation of HIF in skeletal muscle of elite endurance athletes : a tentative mechanism promoting oxidative metabolism'. doi: 10.1152/ajpregu.00036.2013.Negative.

Lubos, E., Loscalzo, J. and Handy, D. E. (2011) 'Glutathione peroxidase-1 in health and disease: From molecular mechanisms to therapeutic opportunities', *Antioxidants and Redox Signaling*, 15(7), pp. 1957–1997. doi: 10.1089/ars.2010.3586.

Lushchak, V. (2016) 'Review article : CLASSIFICATION OF OXIDATIVE STRESS', (August 2014). doi: 10.17877/DE290R-7035.

M s, S. and D R Anggraini, H. (2017) 'Decreasing Free Radicals Level on High Risk Person After Vitamin C and E Supplement Treatment Decreasing Free Radicals Level on High Risk Person After Vitamin C and E Supplement Treatment'. doi: 10.1088/1742-6596/755/1/011001.

Ma, Z. *et al.* (2021) 'An Insight into Anti-Inflammatory Activities and Inflammation Related Diseases of Anthocyanins : A Review of Both In Vivo and In Vitro Investigations'.

Malm, C., Jakobsson, J. and Isaksson, A. (2019) 'Physical Activity and Sports Real Health Benefits: A Review with Insight into the Public Health of Sweden', *Sports*, 7(5), p. 127. doi: 10.3390/sports7050127.

Manoj, K. M. *et al.* (2019) 'Aerobic respiration: proof of concept for the oxygen centric murburn perspective', *Journal of Biomolecular Structure and Dynamics*, 37(17), pp. 4542–4556. doi: 10.1080/07391102.2018.1552896.

Martemucci, G. *et al.* (2022) 'Free Radical Properties , Source and Targets , Antioxidant Consumption and Health', pp. 48–78.

Mehlem, A. *et al.* (2016) 'PGC-1α coordinates mitochondrial respiratory capacity and muscular fatty acid uptake via regulation of VEGF-B', *Diabetes*, 65(4), pp. 861–873. doi: 10.2337/db15-1231.

Mesquita, P. H. C. *et al.* (2021) 'Effects of resistance training on the redox status of skeletal muscle in older adults', *Antioxidants*, 10(3), pp. 1–13. doi: 10.3390/antiox10030350.

Missiroli, S. *et al.* (2020) 'The role of mitochondria in inflammation: From cancer to neurodegenerative disorders', *Journal of Clinical Medicine*, 9(3). doi: 10.3390/jcm9030740.

Murray, J. M. (2017) 'One-Way Analysis of Variance ( ANOVA )', pp. 1–4.

Nakazawa, M. S., Keith, B. and Simon, M. C. (2017) 'Oxygen Availability and Metabolic Adaptations', *Physiology & behavior*, 176(1), pp. 100–106. doi: 10.1038/nrc.2016.84.Oxygen.

Nimse, S. B. and Pal, D. (2015) *Free radicals, natural antioxidants, and their reaction mechanisms*, *RSC Advances*. doi: 10.1039/c4ra13315c.

Olfert, I. M. *et al.* (2016) 'Advances and challenges in skeletal muscle angiogenesis', *American journal of physiology. Heart and circulatory physiology*, 310(3), pp. H326–H336. doi: 10.1152/ajpheart.00635.2015.

Orcan, F. (2020) 'Parametric or Non-parametric: Skewness to Test Normality for Mean Comparison', *International Journal of Assessment Tools in Education*, 7(2), pp. 236–246. doi: 10.21449/ijate.656077.

Osellame, L. D., Blacker, T. S. and Duchen, M. R. (2012) 'Cellular and molecular mechanisms of mitochondrial function', *Best Practice and Research: Clinical Endocrinology and Metabolism*, 26(6), pp. 711–723. doi: 10.1016/j.beem.2012.05.003.

Paoli, A. and Bianco, A. (2015) 'What is fitness training? Definitions and implications: A systematic review article', *Iranian Journal of Public Health*, 44(5), pp. 602–614.

Peake, J. M. *et al.* (2021) 'Recovery from Exercise Muscle damage and inflammation during recovery from exercise', (54), pp. 559–570. doi: 10.1152/japplphysiol.00971.2016.

Phaniendra, A., Jestadi, D. B. and Periyasamy, L. (2015) 'Free Radicals: Properties, Sources, Targets, and Their Implication in Various Diseases', *Indian Journal of Clinical Biochemistry*, 30(1), pp. 11–26. doi: 10.1007/s12291 014-0446-0.

Philippou, A. *et al.* (2019) *Cardiorespiratory Fitness in Cardiometabolic Diseases*, *Cardiorespiratory Fitness in Cardiometabolic Diseases*. doi: 10.1007/978 3-030-04816-7.

Pio, T. F. *et al.* (2020) 'Swimming Exercise Modifies Oxidative Stress in Skeletal and Cardiac Muscles of Diabetic Rats', pp. 1–21. doi: 10.21203/rs.3.rs 38287/v1.

Powers, S. K., Talbert, E. E. and Adhihetty, P. J. (2011) 'Reactive oxygen and nitrogen species as intracellular signals in skeletal muscle', 9(September 2010), pp. 2129–2138. doi: 10.1113/jphysiol.2010.201327.

Psilander, N. *et al.* (2013) 'Exercise with low glycogen increases PGC-1α gene expression in human skeletal muscle', *European Journal of Applied Physiology*, 113(4), pp. 951–963. doi: 10.1007/s00421-012-2504-8.

Qin, L. *et al.* (2017) 'Swimming attenuates inflammation , oxidative stress , and apoptosis in a rat model of dextran sulfate sodium-induced chronic colitis', 8(5), pp. 7391–7404.

Rad, R. (2016) 'Review Paper Revijalni Rad Review Paper Review Paper Oxidative Stress in Training , Overtraining and Detraining : From Experimental To Applied Research Oksidativni Stres U Treniranosti , Pretreniranosti I Detreniranosti ':, pp. 1–6. doi: 10.1515/SJECR.

Radak, Z. *et al.* (2013) 'Oxygen consumption and usage during physical exercise: The balance between oxidative stress and ROS-dependent adaptive signaling', *Antioxidants and Redox Signaling*, 18(10), pp. 1208–1246. doi: 10.1089/ars.2011.4498.

Rizvi, S. *et al.* (2014) 'The role of Vitamin E in human health and some diseases', *Sultan Qaboos University Medical Journal*, 14(2).

Rossato, M. F. *et al.* (2015) 'Anti-inflammatory Effects of Vitamin E on Adjuvant

Induced Arthritis in Rats', *Inflammation*, 38(2), pp. 606–615. doi: 10.1007/s10753-014-9967-1.

Rusiani, E. *et al.* (2019) 'Suplementasi Vitamin C dan E untuk Menurunkan Stres Oksidatif Setelah Melakukan Aktivitas Fisik Maksimal', *Media Ilmu Keolahragaan Indonesia*, 9(2), pp. 32–37. doi: 10.15294/miki.v9i2.23582.

Salehi, B. *et al.* (2020) 'The Therapeutic Potential of Anthocyanins: Current Approaches Based on Their Molecular Mechanism of Action', *Frontiers in Pharmacology*, 11(August), pp. 1–20. doi: 10.3389/fphar.2020.01300.

Sharifi-rad, M. *et al.* (2020) 'Lifestyle , Oxidative Stress , and Antioxidants : Back and Forth in the Pathophysiology of Chronic Diseases', 11(July), pp. 1–21. doi: 10.3389/fphys.2020.00694.

Shidqy, E. M. (2020) 'The Effect of Vitamin E ( alfa- Tocopherol ) To TNF-alfa Serum Levels In Wistar White Strain Rats Exposed To Cisplatin'.

Shin, S. *et al.* (2013) 'Effects of hypoxic training on physiological exercise intensity and recognition of exercise intensity in young men', *Advances in Bioscience and Biotechnology*, 04(03), pp. 368–373. doi: 10.4236/abb.2013.43049.

Sies, H. (2015) 'Oxidative stress: A concept in redox biology and medicine', *Redox Biology*, 4, pp. 180–183. doi: 10.1016/j.redox.2015.01.002.

Silva, L. A. *et al.* (2015) 'Effect of aerobic training of moderate and low volume on electron transport chain activity and oxidative stress markers in skeletal muscle', *Journal of Exercise Physiology Online*, 18(6), pp. 81–93.

Sohany, M. *et al.* (2021) 'Characterization of anthocyanin associated purple sweet potato starch and peel-based ph indicator films', *Foods*, 10(9). doi: 10.3390/foods10092005.

Soomro, S. (2019) 'Oxidative Stress and Inflammation', pp. 1–20. doi: 10.4236/oji.2019.91001.

Sproston, N. R. and Ashworth, J. J. (2018) 'Role of C-reactive protein at sites of inflammation and infection', *Frontiers in Immunology*, 9(APR), pp. 1–11. doi: 10.3389/fimmu.2018.00754.

Steinbacher, P. and Eckl, P. (2015) 'Impact of Oxidative Stress on Exercising Skeletal Muscle', pp. 356–377. doi: 10.3390/biom5020356.

Stožer, A., Vodopivc, P. and Bombek, L. K. (2020) 'Pathophysiology of exercise induced muscle damage and its structural, functional, metabolic, and clinical consequences', *Physiological Research*, 69(4), pp. 565–598. doi: 10.33549/physiolres.934371.

Strath, S. J. *et al.* (2013) 'Guide to the assessment of physical activity: Clinical and research applications: A scientific statement from the American Heart association', *Circulation*, 128(20), pp. 2259–2279. doi: 10.1161/01.cir.0000435708.67487.da.

Swanwick, E. (2018) 'Energy Systems: A New Look at Aerobic Metabolism in Stressful Exercise', *MOJ Sports Medicine*, 2(1), pp. 15–22. doi: 10.15406/mojsm.2018.02.00039.

Sylviana, N. *et al.* (2018) 'Effect of swimming exercise to cardiac PGC-1 α and HIF-1 α gene expression in mice', *Asian Journal of Sports Medicine*, 9(4), pp. 1–7. doi: 10.5812/asjsm.65079.

Szpunar, M. J. and Parry, B. L. (2016) '乳鼠心肌提取 HHS Public Access',

*Physiology & behavior*, 176(1), pp. 139–148. doi: 10.1002/iub.1976.Regulatory.

Taherkhani, S. *et al.* (2021) 'An overview of physical exercise and antioxidant supplementation influences on skeletal muscle oxidative stress', *Antioxidants*, 10(10). doi: 10.3390/antiox10101528.

Taherkhani, S. and Suzuki, K. (2021) 'A Brief Overview of Oxidative Stress in Adipose Tissue with a Therapeutic Approach to Taking Antioxidant Supplements', pp. 1–22.

Tan, B. L., Norhaizan, M. E. and Liew, W. P. P. (2018) 'Nutrients and oxidative stress: Friend or foe?', *Oxidative Medicine and Cellular Longevity*, 2018. doi: 10.1155/2018/9719584.

Traber, M. G. (2013) 'Mechanisms for the prevention of vitamin e excess', *Journal of Lipid Research*, 54(9), pp. 2295–2306. doi: 10.1194/jlr.R032946. Uittenbogaard, M. and Chiaramello, A. (2014) 'Mitochondrial Biogenesis: A Therapeutic Target for Neurodevelopmental Disorders and Neurodegenerative Diseases', *Current Pharmaceutical Design*, 20(35), pp. 5574–5593. doi: 10.2174/1381612820666140305224906.

Ungurianu, A. *et al.* (2021) 'Vitamin e beyond its antioxidant label', *Antioxidants*, 10(5), pp. 1–37. doi: 10.3390/antiox10050634.

Valado, A. *et al.* (2020) 'Bioanalytical Approach-Ageing , Exercise and Oxidative Stress', 11(1). doi: 10.19080/JCMAH.2020.11.555810.

Valentin, B. C. *et al.* (2020) 'World Journal of Biology Pharmacy and Health Sciences Eastern of Democratic Republic of Congo', 03(02), pp. 29–41. doi: 10.30574/wjbphs.

Vieira Junior, R. C. *et al.* (2013) 'Aerobic swimming training increases the activity of antioxidant enzymes and the glycogen content in the skeletal muscle of rats', *Revista Brasileira de Medicina do Esporte*, 19(3), pp. 204–208. doi: 10.1590/S1517-86922013000300012.

Vogel, T. P. and Bouchier-hayes, L. (2020) 'Inflammatory caspase regulation: Maintaining balance between inflammation and cell death in health and disease', 286(14), pp. 2628–2644. doi: 10.1111/febs.14926.Inflammatory.

Wang, L. *et al.* (2017) 'Study of 8 types of glutathione peroxidase mimics based on β-Cyclodextrin', *Catalysts*, 7(10). doi: 10.3390/catal7100289.

Winarsi, H., Wijayanti, S. P. M. and Purwanto, A. (2012) 'Aktivitas Enzim Superoksida Dismutase, Katalase, dan Glutation Peroksidase Wanita Penderita Sindrom Metabolik', *Majalah Kedokteran Bandung*, 44(1), pp. 7 12. doi: 10.15395/mkb.v44n1.75.

Winter, A. N. and Bickford, P. C. (2019) 'Anthocyanins and their metabolites as therapeutic agents for neurodegenerative disease', *Antioxidants*, 8(9). doi: 10.3390/antiox8090333.

Wirjatmadi, B. and Adriani, M. (2018) 'Health Notions , Volume 2 Number 2 ( February 2018 ) Effects of Purple Sweet Potatoes on Oxidative Stress Biomarkers in Rats Subjected to Exhaustive Exercise 174 | Publisher : Humanistic Network for Science and Technology Health Notions , Volume 2 Number ', 2(2), pp. 174–177.

Yang, C. and Qing, J. (2020) 'Vitamin E δ-tocotrienol inhibits TNF-α-stimulated

NF-κB activation by up-regulation of anti-inflammatory A20 via modulation of sphingolipid including elevation of intracellular dihydroceramides', (765), pp. 101–109. doi: 10.1016/j.jnutbio.2018.10.013.Vitamin.

Zhang, L. *et al.* (2017) 'Skeletal muscle-specific overexpression of PGC-1α induces fiber-type conversion through enhanced mitochondrial respiration and fatty acid oxidation in mice and pigs', *International Journal of Biological Sciences*, 13(9), pp. 1152–1162. doi: 10.7150/ijbs.20132.

Zhi, Q. *et al.* (2019) 'The anthocyanin extracts from purple-fleshed sweet potato exhibited anti- photoaging effects on ultraviolent B-irradiated BALB / c-nu mouse skin', *Journal of Functional Foods*, (August), p. 103640. doi: 10.1016/j.jff.2019.103640.

Zulaikhah, S. T. (2017) 'The Role of Antioxidant to Prevent Free Radicals in The dy', 8(1), pp. 39–45.