



DAFTAR PUSTAKA

- Annisa F., Viryawan, C., Fabianto, S. 2014. Hipoksia Berulang Mencegah Kerusakan Sel β Pankreas pada Pasien Diabetes Melitus Tipe 2: Tinjauan Biologi Molekuler. *Cermin Dunia Kedokteran (CDK) – 214/vol. 41, no. 3*
- Ardhie, A.M. 2011. Radikal Bebas dan Peran Antioksidan dalam Mencegah Penuaan. *MEDICINUS vol. 24, no. 1.*
- Astuti, S. 2008. Isoflavon Kedelai dan Potensinya sebagai Penangkap Radikal Bebas. *Jurnal Teknologi Industri dan Hasil Pertanian Vol. 13, No. 2*
- Benhar, M., Engelberg, D., Levitski, A. 2002 Reactive oxygen species (ROS), Stress-activated kinases and stress signaling in cancer. EMBO report. 3(5):420-5
Diakses melalui : <https://www.ncbi.nlm.nih.gov/pubmed/11991946> pada 28 September 2018
- Bergantin, C., Maietti, A., Tedeschi, P., et al. 2018. HPLC-UV/Vis-APCI-MS/MS Determination of Major Carotenoids and Their Bioaccessibility from “Delica” (*Curcubita maxima*) and “Violina” (*Curcubita moschata*) Pumpkins as Food Traceability Markers. *Diakses melalui : www.mdpi.com/journal/molecules pada 1 Mei 2019.*
- Botham, K.M. dan Mayes, P.A. 2014. Lipid yang Penting Secara Fisiologi. In: *Biokimia Harper Edisi 29. Jakarta : EGC*
- Boyali, E., Suleyman, P., Mustafa, N. 2012. The effect of vitamin E application on some free radicals and lactate levels in acute exercise. *Turkish Journal of Sports 14(3); 36-42.*
- Boyer, R.F. 2002. *Concepts in Biochemistry*. California : Cimmings Publishing Company, Inc
- Brunelli, E., Domanico, F., Russa, D.L., et al. 2014. Sex differences in oxidative stress biomarkers. *Current Drug Targerts 15(8).*
- Campbell N.A. 2002. *Biology Edisi Kelima Jilid 1*. Penerjemah : Rahayu Lestari. Jakarta : Erlangga..
- Carvalho, L.M.J., Gomes, P.B., Godoy, R.L., et al. 2012. Total Carotenoid Content, Alpha-carotene and Beta-carotene, of Landrace Pumpkins (*curcubita moschata* Duch): A Preliminary Study. *Food Research International 47:337-340.*



- Desrosier, N. W. 1998. *Teknologi pengawetan pangan*. Edisi III. Penerjemah Muchji. Mulyoharjo. Jakarta: UI Press.
- Disgupta, A. dan Klein, K. 2014. *Antioxidants in Food, Vitamins and Supplements*. USA : Elsevier, halaman 279.
- Efendi, T. 2003. Pengaruh Pemberian Vitamin E Terhadap Kadar Malondialdehid Darah pada Penderita Penyakit Jantung Koroner. *Tesis : Fakultas Pasca Sarjana Universitas Gadjah Mada, Yogyakarta*.
- Getrude, N., Albert, N., Gabriel, G., et al. 2018. Beta-Carotene: Positive Effect on Oxidative Stress, Lipid Peroxidation, Insulin and Leptin Resistance Induced by Dietary Fat Consumption. *Journal of Advances in Medicine and Medical Research* 27(1); 1-7.
- Gouw, D., Klepp, K.I., Vignerova, J., Lien, N., Steenhuis, I.H., & Wind, M. 2010. Associations between diet and (in) activity behaviours with overweight and obesity among 10-18-year-old Czech Republic adolescents. *Public Health Nutrition*, 13(10A):17 1701-1707
- Greenway, F.L. 2015. Physiological Adaptations to Weight Loss and Factors Favouring Weight Regain. *International Journal of Obesity* 39(8); 1188-1196
- Grundy S.M. 2002. Low-density lipo-protein, non-high-density lipoprotein, and apolipoprotein B as targets of lipid-lowering therapy. *Circulation*. 106: 2526-2529
- Gutteridge, J.M.C. dan Halliwell, B. 2000. Free Radicals and Antioxidants in the Year 2000. A historical look to the future. Diakses melalui : <https://www.ncbi.nlm.nih.gov/pubmed/10863535> pada 15 November 2018
- Halliwell, B. dan J.M.C. Gutteridge. 1999. Free Radicals in Biology and Medicine. *Journal of Free Radicals in Biology & Medicine* 1(4):331-332
- Harsem N.A, Braekke K., Staff A.C. 2006. Augmented oxidative stress as well as antioxidant capacity in maternal circulation in preeclampsia. *European Journal of Obstetrics & Gynecology and Reproductive Biology*; 128: 209–21
- Harun, I., Susanto, H., Rosidi, A. 2017. Pemberian Tempe Menurunkan Kadar Malondialdehyde (MDA) dan Meningkatkan Aktivitas Enzim Superoxide Dismutase (SOD) pada Tikus dengan Aktivitas Fisik Tinggi. *Jurnal Gizi Pangan, November 2017*, 12(3):211-216.



- Hidayati, S.N., Hadi, H., Lestariana, W. 2006. Hubungan Asupan Zat Gizi dan Indeks Massa Tubuh dengan Hiperlipidemia pada Murid SLTP yang Obesitas di Yogyakarta. *Sari Pediatri, Vol. 8, No. 1, 25-31*
- Hosseini, F., Naseri M.K., Badavi, M., Ghaffari, M.A., Shahbazian H., Rashidi I. 2010. Effect of beta carotene on lipid peroxidation and antioxidant status following renal ischemia/reperfusion injury in rat. *Scandinavian Journal of Clinical & Laboratory Investigation : 70: 259-263.*
- Jim, E.L. 2013. Metabolisme Lipoprotein. *Jurnal Biomedik, 5(3): 129-156*
- Kada, S., Bouriche, H., Senator, A., et al. 2016. *Protective Activity of Hertia Cheirifolia Extracts Against DNA Damage, Lipid Peroxidation and Protein Oxidation.* *Pharmaceutical Biology ; 55(1) : 330-337*
- Kanazawa, M., Yoshiike, N., Osaka, T., Numba, Y., Zimmet, P., Inoue, S. 2005. Criteria and Classification of Obesity in Japan and Asia-Oceania. *World Review of Nutrition and Dietetic 94: 1-12*
- Kasperczyk, S., Dobrakowski, M., Kasperczyk, J., et al. 2014. The influence of beta-carotene on homocysteine level and oxidative stress in lead-exposed workers. *Medycyna Pracy 65(3); 309-16.*
- Kaviarasan, K., Arjunan, M.M., and Pugalendi, K.V. 2005. Lipid Profile, Oxidant-antioxidant Status and Glycoprotein Components in Hyperlipidemic Patients With/without Diabetes. *Clinica Chimica Acta : international journal of clinical chemistry. 362:49-56*
- Kementerian Kesehatan Republik Indonesia. 2018. Hasil Utama Riskesdas 2018. Diakses melalui: http://www.depkes.go.id/resources/download/info-terkini/materi_rakorpop_2018/Hasil%20Riskesdas%202018.pdf pada 21 September 2018
- Khairani, N., Effendi, U.S., Utamy, L.W. 2018. Aktivitas Fisik dan Kejadian Obesitas Sentral pada Wanita di Kelurahan Tanah Patah Kota Bengkulu. *CHMK Nursing Scientific Journal Vol. 2, No. 1*
- Khoubnasabjafari, M., Ansarin, K., Jouyban, A. 2015. Reliability of malondialdehyde as a biomarker of oxidative stress in psychological disorder. Diakses melalui : <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4597159/> pada 15 November 2018



- Kim, J.S., Lee, W.M., Rhee, H.C., et al. 2016. Red Paprika (*Capsicum annuum* L.) and Its Main Carotenoids, Capsanthin and Beta-Carotene, Prevent Hydrogen Peroxide-induced Inhibition of Gap-Junction Intercellular Communication. *Chemico-Biological Interaction*, doi: 10.1016/j.cbi.2016.05.004
- Krinsky, N. I. and Johnson, E., J. 2005. Carotenoid actions and their relation to health and disease. *Molecular Aspect of Medicine* 26; 459-516.
- Kumalaningsih, S. (2006). Antioksidan Alami-Penangkal Radikal Bebas. *Trubus Agrisarana. Hal.* 25-30
- Kusumastuty, I. 2014. Sari buah markisa ungu mencegah peningkatan MDA serum tikus dengan diet aterogenik. *Indonesia Journal of Human Nutrition* 1(1).
- Lehninger. 2004. *Dasar-dasar Biokimia*. Penerjemah : Maggy T. Jakarta: Erlangga. Terjemahan dari: Principle of Biochemistry.
- Marseglia, L., Manti, S., D'Angelo, G., et al. 2015. Oxidative Stress in Obesity: A Critical Component in Human Diseases. *International Journal of Molecular Sciences* 16(1); 378-400.
- Momeni, H. R. dan Eskandari, N. 2017. Effect of curcumin on kidney histopathological changes, lipid peroxidation and total antioxidant capacity of serum in sodium arsenite-treated mice. *Experimental and Toxicologic Pathology* 69(2); 93-97.
- Mooradian, A. D., Failla, M., Hoogwerf, B., et al. 1994. Selected Vitamins and Mineral in Diabetes. *Diabetes Care* 17(5):464-79.
- Moselhy, H.F., Reid, R.G., Yousef, S., Boyle, Sp. 2013. A specific, accurate, and sensitive measure of total plasma malondialdehyde by HPLC. *Journal of lipid research* 54(3):852-858.
- Murray, R.K., Bender, D.A., Botham, K.M., Kennelly, P.J., Rodwell, V.W., Weil, P.A. 2009. *Biokimia Harper*. Jakarta : EGC
- Noeman, S.A., Hamooda, H.E., Baalash, A.A. 2011. Biochemical Study of Oxidative Stress Markers in The Liver, Kidney and Heart of High Fat Diet Induced Obesity in Rats. *Diabetology & Metabolic Syndrome* 3(3):17.
- Olusi, S.O. 2002. Obesity is an independent risk factor for plasma lipid peroxidation and depletion of erythrocyte cytoprotective enzymes in humans. *International Journal of Obesity* 26: 1159-1164



- Pearson, T., Meusah, G., Alexander, W., Anderson, J., Cannon, R., Crigui, M., Fadi, Y., et al. 2003. Markers of inflammation and cardiovascular disease. Application to Center for Disease Control and Prevention and the American Heart Association. *Circulation* ;107:499- 511
- Pramudita, S.R. dan Nadhiroh, S.R. 2017. Gambaran Aktivitas Fisik Sedentari dan Tingkat Kecukupan Gizi pada Remaja Gizi Lebih dan Gizi Normal. *Media Gizi Indonesia*, 12(1): 1-6
- Primashanti, D.A.D. dan Sidiartha, I.G.L. 2018. Perbandingan asupan energi, karbohidrat, protein dan lemak dengan angka kecukupan gizi pada anak obesitas. *Medicina*, 49(2):173-178. Diakses melalui : <https://www.medicinaudayana.org/index.php/medicina/article/viewFile/66/174> pada 10 Oktober 2018
- Purba, E.R. dan Martosupono, M. 2009. Kurkumin sebagai Senyawa Antioksidan. Fakultas Sains dan Matematika UKSW Salatiga. *Prosiding Seminar Nasional Sains dan Pendidikan Sains* 4(3):607-621
- Powers S.K. dan Jackson, M.J. 2010. Exercise induced oxidative stress: cellular mechanisms and impact on muscle force production. *NIH Public Access* 88(4):1243-1276.
- Rahmawati, A. 2014. Mekanisme terjadinya inflamasi dan stres oksidatif pada obesitas. *EI-Hayah* 5(1). Diakses melalui : <http://ejournal.uin-malang.ac.id/index.php/bio/article/view/3034/4918> pada tanggal 10 Desember 2018
- Riyanto, A. dan Megasari, M. 2014. Perbandingan pemberian terapi penurunan berat badan antara obesitas dan overweight. *Jurnalkesehatan Kartika* 9(1).
- Robles R., Palomino N., Robles A. 2001. Oxidative stress in the neonate. *Early Human Development*; 65:575-81
- Russell, R. M. 2006. The multifunctional carotenoids: insight into their behavior. *Journal of Nutrition* 136; 690-692.
- Saraswati, R.A., Maharani, N., Utomo, A.W. 2018. Pengaruh Ekstrak Kulit Manggis (*Garcinia mangostana* L.) terhadap Kadar Enzim Superoxide Dismutase (SOD) Plasma Tikus yang Diinduksi Minyak Jelantah. *Undergraduate thesis, Faculty of Medicine*, diakses melalui : <http://eprints.undip.ac.id/63724/> pada 11 September 2018



- Sartika, R. A. D. 2008. Pengaruh asam lemak jenuh, tidak jenuh dan asam lemak trans terhadap kesehatan. *Jurnal Kesehatan Masyarakat Nasional* 2(4).
- Savini, I., Catani, M.V., Evangelista, D., et al. 2013. Obesity-Associated Oxidative Stress: Strategies Finalized to Improve Redox State. *International Journal of Molecular Sciences*, 14(5): 10497-10538
- Sayuti, K. dan Yenrina, R. 2015. Antioksidan, Alami dan Sintetik. Padang : Andalas University Press. Diakses melalui : <http://repository.unand.ac.id/23714/> pada 11 September 2018
- Schmitt, G.C., Arbo, M.D., Lorensi, A.L., et al. 2016. Gender differences in biochemical markers and oxidative stress of rats after 28 days oral exposure to a mixture used for weight loss containing *p*-synephrine, ephedrine, salicin, and caffeine. *Brazilian Journal of Pharmaceutical Sciences* 52(1).
- Setiawan, M. 2009. Peran Resistensi Insulin, Adiponektin, dan Inflamasi pada Kejadian Dislipidemia Aterogenik. Fakultas Kedokteran, Universitas Muhammadiyah Malang. Diakses melalui : <http://ejournal.umm.ac.id/index.php/sainmed/article/view/1044> pada 8 Januari 2019
- Silalahi, J. 2002. Senyawa polifenol sebagai komponen aktif yang berkhasiat dalam the. *Majalah Kedokteran Indonesia* 52(10); 361-4.
- Soeksmanto, A., Hapsari, Y., Simanjuntak, P. 2007. Kandungan Antioksidan pada Beberapa Bagian Tanaman Mahkota Dewa, *Phaleria macrocarpa* (Scheff) Boerl. (Thymelaceae). *Biodiversitas*, 8 (2), 92-95. Diakses melalui : <http://biodiversitas.mipa.uns.ac.id/D/D0802/D080203.pdf> pada 11 September 2018
- Soliman, G.Z. 2008. Blood lipid peroxidation (superoxide dismutase, malondialdehyde, glutathione) levels in Egyptian type 2 diabetic patients. *Singapore Medical Journal* 49(2):129-136
- Sudargo, T., Rosiyani, F., Kusmayanti, N. 2014. *Pola Makan dan Obesitas*. Yogyakarta : Gadjah Mada University Press
- Surlitah, Sutemy. 2017. Intervensi Sari Jeruk Kalamansi (*Citrus microcarpa*) terhadap Perubahan Profil Lipid pada Perempuan Dewasa Kelebihan Berat Badan. *Institut Pertanian Bandung: Thesis* diakses melalui <http://repository.ipb.ac.id:8080/handle/123456789/91068?show=full> pada 18 Januari 2019.



- Sugondo, S. 2009. *Obesitas. Dalam Buku Ajar Ilmu Penyakit Dalam*. Jakarta: EGC
- Susantiningih, T. 2015. *Obesitas dan Stres Oksidatif*. Diakses melalui :
<http://juke.kedokteran.unila.ac.id/index.php/juke/article/view/639> pada 11
November 2018
- Tuminah, S. 2009. *Peran Kolesterol HDL Terhadap Penyakit Kardiovaskuler dan
Diabetes Melitus*. Diakses melalui :
https://ejournal.persagi.org/index.php/Gizi_Indon/article/view/70/67 pada 5
Oktober 2018
- Vaya, J. dan Aviram, M., 2001, *Nutritional Antioxidants: Mechanisms of Action,
Analyses of Activities and Medical Applications. Current Medicinal Chemistry
- Immunology, Endocrine & Metabolic Agents 1(1)*
- Wahjuni, S. 2013. *Metabolisme Biokimia*. Bali: Udayana University Press.
- Wahyu, G. G. 2009. *Obesitas pada Anak*. Yogyakarta : PT Benteng Pustaka
- Waspadji, S. 2003. *Penyunting. Pengkajian status gizi, studi epidemiologi*. Jakarta:
Balai Penerbit FKUI
- Welty, F.K., Lichtenstein, A. H., Barret, P. H., et al. 1999. *Human apolipoprotein
(Apo) B-48 and ApoB-100 kinetics with stable isotopes. Arteriosclerosis,
Thrombosis, and Vascular Biology 19(12); 2966-74.*
- Widiantini, W. dan Tafal, Z. 2014. *Aktivitas Fisik, Stres, dan Obesitas pada
Pegawai Negeri Sipil. Kesmas. Jurnal Kesehatan Masyarakat Nasional 8(7).*
- Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta : Penerbit
Kanisius (Anggota IKAPI).
- World Health Organization. 2010. *Global recommendations on physical activity for
health*. Geneva: WHO Press. Diakses dari [http://
apps.who.int/iris/bitstream/10665/44399/1/9789241599979_eng.pdf](http://apps.who.int/iris/bitstream/10665/44399/1/9789241599979_eng.pdf) pada
20 September 2018
- World Health Organization. 2010. *Global Strategy on Diet , Physical Activity and
Health; Childhood overweight and obesity*. Diakses pada :
<http://www.who.int/dietphysicalactivity/childhood/en/> pada 9 November 2018
- Wyss, A. 2017. *Beta-Carotene Intake Recommendations*. Diakses melalui :
[https://www.nutri-facts.org/en_US/nutrients/carotenoids/beta-
carotene/intake-recommendations.html](https://www.nutri-facts.org/en_US/nutrients/carotenoids/beta-carotene/intake-recommendations.html) pada 12 Juni 2019.
- Yuslianti, E.R. 2018. *Pengantar Radikal Bebas dan Antioksidan*. Yogyakarta :
Deepublish.