



DAFTAR PUSTAKA

- Abdel-Misih, S.R.Z. and M. Bloomston. 2010. Liver Anatomy. *Surgical Clinics of North America*. 90(4): 643–653.
- Aisyah, S., H. Budiman, D. Florenstina, D. Allza, M.N. Salim, U. Balqis, dan T. Armansyah. 2015. Efek Pemberian Minyak Jelantah Terhadap Gambaran Histopatologis Hati Tikus Putih (*Rattus norvegicus*). *Jurnal Medika Veterinaria*. 9(1) : 26-29.
- Ali, S.K. and A.M. Saleh. 2012. Spirulina-An Overview. *International Journal of Pharmacy and Pharmaceutical Sciences*. 4(3): 9-15.
- American Academy of Orthopaedic Surgeons (AAOS). 2018. *Community Health Paramedicine*. Jones and Barlett Learning. Burlington. pp. 221-222.
- Andrade, L.M., C.J. Andrade, M. Dias, C.A.O Nascimento, and M.A. Mendes. 2018. *Chlorella and Spirulina Microalgae as Sources of Functional Foods, Nutraceuticals, and Food Supplements; An Overview*. *MOJ Food Processing and Technology*. 6(1): 45–58.
- Arca, M., C. Borghi, R. Pontremoli, G.M. De Ferrari, F. Colivicchi, G. Desideri, and P.M. Temporelli. 2018. Hypertriglyceridemia and Omega-3 Fatty Acids: Their Often Overlooked Role in Cardiovascular Disease Prevention. *Nutrition, Metabolism, and Cardiovascular Diseases*. 28: 197-205.
- Aschenbrenner, D.S. and S.J. Venable. 2009. *Drug Therapy in Nursing*. 3rd ed. Wolters Kluwer Health. Philadelphia. p. 454.
- Baradero, M., M.W. Dayrit, dan Y. Siswadi. 2005. *Klien Gangguan Hati : Seri Asuhan Keperawatan*. Penerbit Buku Kedokteran EGC. jakarta. hal. 1.
- Barter, P.J. and K. Anne Rye. 2005. *Plasma Lipids and Their Role in Disease*. Taylor and Francis. UK. pp. 1,7.
- Berglund, L, J.D. Brunzell, A.C. Goldberg, I.J. Goldberg, and A. Stalenhoef. 2014. Treatment Options For Hypertriglyceridemia: From Risk Reduction To Pancreatitis. *Best Practice and Research Clinical Endocrinology and Metabolism*. 28(3): 423–437.
- Berlean, R., C.L. Rosiouru, and C. Tarba. 2014. Effects of Arthrosipa (Spirulina) on Hematopoiesis in Rats. *Studia Universitatis Babeş – Bolyai, Biologia*, Lix. 2 : 69-76.
- Bhushan, B., S. Pande, N. Saxena, and P.N. Saxena. 2013. Serum Biochemical Responses under Stress of Cypermethrin in Albino Rat. *Environmental and Experimental Biology*. 11: 81–89.



- Bijanti, R., M. Gandul, A. Yuliani, R.S. Wahjuni, dan R.B. Utomo. 2010. *Buku Ajar Patologi Klinik Veteriner*. Airlangga University Press. Surabaya. hal. 74.
- Bodzin, A.S. and T.B. Baker. 2019. Anatomy and Physiology of The Liver. In : C.J. Yeo (ed) *Shackelford's Surgery of the Alimentary Tract, 2 Volume Set*. 8th ed. Elsevier. Philadelphia. p. 1395.
- Bosma, P.J. 2003. Inherited Disorders of Bilirubin Metabolism. *Journal of Hepatology*. 38(1): 107-117.
- Calabresi, L., M. Gomaraschi, S. Simonelli, F. Bernini, and G. Franceschini. 2015. HDL and Atherosclerosis: Insights from Inherited HDL Disorders. *Biochimica et Biophysica Acta*. 1851: 13–18.
- Chamorro-Cevallos, G., L. Garduno-Siciliano, E. Martinez-Galero, A. Mojica-Villegas, N. Pages, and G. Gutierrez-Salmean. 2014. The Protective Effect of Dietary Arthrosira (*Spirulina*) maxima Against Mutagenicity Induced by Benzo[alpha]pyrene in Mice . *Journal of Medicinal Food*. 17(5) : 527–534.
- Chen, Qi., J. King, and C.Fu. 2018. The Independence of and Associations among Apoptosis, Autophagy, and Necrosis. *Signal Transduction and Targeted Therapy*. 3(18): 1-11.
- Chen-Wu, L., J.A. Ho, M.C. Shieh, and I.W. Lu. 2005. Antioxidant and Antiproliferative Activities of Spirulina and Chlorella Water Extracts. *Journal of Agricultural and Food Chemistry*. 53: 4207-4212.
- Cichoz-Lach, H. and A. Michalak. 2014. Oxidative Stress as a Crucial Factor in Liver Diseases. *World Journal of Gastroenterology*. 20(25): 8082-8091.
- Conn, M.P. 2008. *Sourcebook of Model for Biomedical Research*. Humana Press. Totowa. p. 179.
- Costanzo, L.S. 2014. *Physiology*. 5th ed. Elsevier Saunders. Philadelphia. p. 378, 380.
- Degoricija, V., I. Potočnjak, M. Gastrager, G. Pregartner, A. Berghold, H. Scharnagl, T. Stojakovic, B. Tiran, G. Marsche, and S. Frank. 2019. HDL Subclasses and Mortality in Acute Heart Failure Patients. *Clinica Chimica Acta*. 490: 81–87.
- de la Jara, A., C. Ruano-Rodriguez, M. Polifrone, P. Assunçao, Y. Brito-Casillas, A. M. Wagner, and L. Serra-Majem. 2018. Impact of Dietary Arthrosira (*Spirulina*) Biomass Consumption on Human Health: Main Health Targets and Systematic Review. *Journal of Applied Phycology*. <https://doi.org/10.1007/s10811-018-1468-4>.



- de Mello-Sampayo, C., M.L. Corvo, R. Mendes, D. Duarte, J. Lucas, R. Pinto, A. P. Batista, A. Raymundo, B. Silva-Lima, N.M. Bandarra, and L. Gouveia. 2013. Insights on The Safety of Carotenogenic *Chlorella vulgaris* in Rodents. *Algal Research*. 2: 409–415.
- Dorn, G.W. 2013. Molecular Mechanisms that Differentiate Apoptosis from Programmed Necrosis. *Toxicologic Pathology*. 41 : 227-234.
- Eggermont, J.J. 2012. *The Neuroscience of Tinnitus*. Oxford University Press. Oxford. p. 74.
- Erlinger, S., I.M. Arias, and D. Dhumeaux. 2014. Inherited Disorders of Bilirubin Transport and Conjugation: New Insights Into Molecular Mechanisms and Consequences. *Gastroenterology*. 146: 1625–1638.
- Eroschenko, V.P. 2008. *DiFiore's Atlas of Histology with Functional Correlations*. 11th ed. Lippincott Williams & Wilkins. Baltimore. p. 313.
- Fink, S.L. and B.T. Cookson. 2005. Apoptosis, Pyroptosis, and Necrosis : Mechanistic Description of Dead and Dying Eukaryotic Cells. *Infection and Immunity*. 73(4): 1907-1916.
- Fitria, L. dan Mulyati. 2014. Profil Hematologi Tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar Jantan dan Betina Umur 4, 6, dan 8 Minggu. *Biogenesis*. 2(2): 94-100.
- Ference, B.A., H.N. Ginsberg, I.Graham, K.K. Ray, C.J. Packard, E. Brucket, R.A. Hegele, R.M. Krauss, F.J. Raal, H. Schunket, G.F. Watts, J. Boren, S. Fazio, J.D. Horton, L. Masana, S.J. Nicholls, B.G., Nordestgaard, B. van de Sluis, M.R. Taskinen, L. Tokgozoglu, U. Landmesser, U. Laufs, O. Wiklund, J.K. Stock, M.J. Chapman, and A.L. Catapano. 2017. Low-density Lipoproteins Cause Atherosclerotic Cardiovascular Disease. 1. Evidence from Genetic, Epidemiologic, and Clinical Studies. A Consensus Statement from The European Atherosclerosis Society Consensus Panel. *European Heart Journal*. 38: 2459–2472.
- Forte, T. and A.V. Nichols. 2016. Application of Electron Microscopy to the Study of Plasma Lipoprotein Structure. In R. Paoletti and D. Kritchevsky (eds) *Advances in Lipid Research*. Volume 10. Academic Press, New York. p. 1.
- Gao, D. and E.A. Podrez. 2018. Characterization of Covalent Modifications of HDL Apoproteins by Endogenous Oxidized Phospholipids. *Free Radical Biology and Medicine*. 115: 57–67.
- Gao, Z., Q. Lai, Q. Yang, N. Xu, W. Liu, F. Zhao, C. Zhang, J. Zhang, and L. Jia. 2018. The Characteristic, Antioxidative and Multiple Organ Protective of Acidic-Extractable Mycelium Polysaccharides by *Pleurotus eryngii* var. *tuoliensis* on High-fat Emulsion Induced-hypertriglyceridemic Mice. *Nature Scientific Reports*. 8 (17500): 1-12.



- Giannini, E.G., R. Testa, and V. Savarino. 2005. Liver Enzyme Alteration: A Guide For Clinicians. *Canadian Medical Association Journal*. 172(3): 367–379.
- Gilgenkrantz, H. and A.C. de l'Hortet. 2018. Understanding Liver Regeneration From Mechanisms to Regenerative Medicine. *The American Journal of Pathology*. 188(6): 1316-1327.
- Gimson, A.E.S. 2003. Liver, Pancreas, and Biliary Tree. In : D.A. Warrell, E.J. Benz, T.M. Cox, and J.D Firth (eds) *Oxford Textbook of Medicine*. Volume 1. Oxford University Press. Oxford. p. 667.
- Goldin, R.D. and M. Banerjee. 2012. Anatomy and Histology of The Liver. In : M. Al Mahtab and S. Rahman (eds) *Liver : A Complete Book on Hepato-Pancreato-Biliary Disease*. Elsevier Health Sciences. Noida. p. 4.
- Gosmawi, G., R. Bora, and M.S. Rathore. 2015. Oxidation of Cooking Oils due to Repeated Frying and Human Health. *International Journal of Science Technology and Management*. 4(1): 495-501.
- Gotto, A.M. 2012. Drugs Affecting High-Density Lipoprotein and Triglyceride Metabolism. In : A.L. Catapano, A.M. Gotto, L.C. Smith, and R. Paoletti (eds) *Drugs Affecting Lipid Metabolism*. Springer Science+Business Media. Berlin. p. 199.
- Grouleff, J., S.J. Irudayam, K.K. Skeby, and B. Schiøtt. 2015. The Influence of Cholesterol on Membrane Protein Structure, Function, and Dynamics Studied by Molecular Dynamics Simulations. *Biochimica et Biophysica Acta*. 1848: 1783–1795.
- Guiry, M.D. and Guiry, G.M. 2019. *AlgaeBase*. World-wide Electronic Publication, National University of Ireland, Galway. <http://www.algaebase.org>; searched on 09 February 2019.
- Gutiérrez-Rebolledo, G.A., M. Galar-Martinez, R.V. Garcia-Rodriguez, G.A. Chamorro-Chevallos, A.G. Hernandez-Reyes, and E. Martinez-Galero. 2015. Antioxidant Effect of *Spirulina (Arthrosira) maxima* on Chronic Inflammation Induced by Freund's Complete Adjuvant in Rats. *Journal of Medicinal Food*. 18(8): 865–871.
- Gutiérrez-Salmeán, G., L. Fabila-Castillo, and G. Chamorro-Cevallos. 2015. Nutritional and Toxicological Aspects of *Spirulina (Arthrosira)*. *Nutricion Hospitalaria*.32(1): 34-40.
- Hamoud, A.R., L. Weaver, D.E. Stec, and T.D. Hinds. 2018. Bilirubin in the Liver–Gut Signaling Axis. *Trends in Endocrinology & Metabolism*. 1277 : 1-11.
- Hassing, H.C., R.P. Surendran, H.L. Mooij, E.S. Stores, M. Nieuwdorp, and G.M., Dallinga-Thie. 2012. Patophysiology of Hypertriglyceridemia. *Biochimica et Biophysica Acta*. 1821: 826-832.



- Haybara, H., M. Goudarzic, S. Mehrzadid, A. Aminzadehe, M.J. Khodayarf, M. Kalantarg, and I. Fatem. Effect of Gemfibrozil on Cardiotoxicity Induced by Doxorubicin in Male Experimental Rats. 2019. *Biomedicine and Pharmacotherapy*. 109 : 530–535.
- Hevonoja, T., M.O. Pentikainen, M.T. Hyvonen, P.T. Kovanen, and M. Ala-Korpela. 2000. Structure of Low Density Lipoprotein (LDL) Particles: Basis for Understanding Molecular Changes in Modified LDL. *Biochimica et Biophysica Acta*.1488 : 189-210.
- Hillegass, E. 2011. *Essentials of Cardiopulmonary Physical Therapy*. 3rd ed. Elsivier. Missouri. p. 293.
- Hong, A.T.S., C.L. Li, and S. Bahsu. 2006. *Glossary For Science Form 4 and Form 5*. Cerdik Publication. Kuala Lumpur. p. 108.
- Innis, S.M. 2011. Dietary Triacylglycerol Structure and Its Role in Infant Nutrition. *Advances in Nutrition*. 2(3): 275-283.
- Insel, P., D. Ross, K. McMahon, and M. Bernstein. 2017. *Nutrition*. 6th ed. Jones and Bartlett Publishers. Burlington. pp. 181-183.
- Insull, W. 2009. The Pathology of Atherosclerosis: Plaque Development and Plaque Responses to Medical Treatment. *The American Journal of Medicine*. 122(1A): S3-S14.
- Jevas, O. 2017. Physiology of The Liver. *International Journal of Research in Pharmacy and Biosciences*. 4(8): 13-24.
- Karam, I., Y.J. Yang, and J.Y. Li. 2017. Hyperlipidemia Background and Progress. *SM Atherosclerosis Journal*. 1(1): 1003.
- Kempaiah, R.K. and K. Srinivasan. 2004. Influence of Dietary Curcumin, Capsaicin and Garlic on the Antioxidant Status of Red Blood Cells and the Liver in High-Fat-Fed Rats. *Annals of Nutrition and Metabolism*. 749 : 1-7.
- Kierszenbaum, A.L. and L.L. Tres. 2012. *Histology and Cell Biology : An Introduction to Pathology*. 3rd ed. Elsevier Saunders. Philadelphia. p. 515.
- Kim, W.R., S.L. Flamm, A.M.D. Bisceglie, and H.C. Bodenheimer. 2008. Serum Activity of Alanine Aminotransferase (ALT) as an Indicator of Health and Disease. *Hepatology*. 47(4): 1363-1370.
- Kontush, A., M. Lindahl, M. Lhomme, L. Calabresi, M.J. Chapman, and W.S. Davidson. 2015. Structure of HDL: Particle Subclasses and Molecular Components. In: von Eckardstein A., Kardassis D. (eds) *High Density Lipoproteins : Handbook of Experimental Pharmacology*. vol 224. Springer. Heidelberg. p. 4.



- Kopaei, M.R., M. Setorki, M. Doudi, A. Baradaran, and H. Nasri. 2014. Atherosclerosis : Process, Indicators, Risk, Factors and New Hopes. *International Journal of Preventive Medicine*. 5(8): 927-946.
- Kumar, V., A.K. Abbas, and N. Fausto. 2005. *Robbins and Cotran Pathologic Basis of Disease*. 7th ed. Elsevier. Philadelphia. pp. 13-14.
- Lee, C.H., P. Olson, and R.M. Evans. 2003. Minireview : Lipid Metabolism, Metabolic Diseases, and Peroxisome Proliferator-Activated Receptors. *Endocrinology*. 44(6): 2201-2207.
- Leong, X.F., Ng CY, Jaarin K, and Mustafa MR. 2015. Effects of Repeated Heating of Cooking Oils on Antioxidant Content and Endothelial Function. *Austin Journal of Pharmacology Therapy*. 3(2): 1068.
- Lisman, T. and R.J. Porte. 2010. Rebalanced Hemostasis in Patients with Liver Disease: Evidence and Clinical Consequences. *Blood*. 116(6): 878-885.
- Liu, Y., P. Li, J. Lu, W. Xiong, J. Oger, W. Tetzlaff, and M. Cynader. 2008. Bilirubin Possesses Powerful Immunomodulatory Activity and Suppresses Experimental Autoimmune Encephalomyelitis. *Journal of Immunology*. 181: 1887-1897.
- Liu, Z., S. Que, J. Xu, and T. Peng. 2014. Alanine Aminotransferase-Old Biomarker and New Concept: A Review. *International Journal of Medical Sciences*. 11(9): 925-935.
- Lui, F. 2018. Laboratory Tests in Liver Failure. *Anaesthesia And Intensive Care Medicine*. 19(1): 1-3.
- Ma, H. and K.J. Shieh. 2006. Cholesterol and Human Health. *The Journal of American Science*. 2(1): 46-50.
- Matsumoto, S., N. Gotoh, S. Hishinuma, Y. Abe, Y. Shimizu, Y. Katano, and A. Ishihata. 2014. The Role of Hypertriglyceridemia in the Development of Atherosclerosis and Endothelial Dysfunction. *Nutrients*. 6 : 1236-1250.
- Mazokopakis, E.E., M.G. Papadomanolakis, A.A. Fousteris, D.A. Kotsiris, I.M. Lampadakis, and E.S. Ganotakis. 2014. The Hepatoprotective and Hypolipidemic Effects of Spirulina (*Arthrosipa platensis*) Supplementation in A Cretan Population with Non-Alcoholic Fatty Liver Disease: A Prospective Pilot Study. *Annals of Gastroenterology*. 27 : 387-394.
- McCance, K.L. and S.E. Huether. 2014. *Patophysiology : The Biologic Basis for Diseases in Adults and Children*. 7th ed. Elsevier Mosby. Missouri. p. 1411-1413.
- McGuire, M. and K.A. Beerman. 2007. *Nutritional Sciences : From Fundamentals to Food*. Thomson Wadsworth. Belmont. pp. 262-263.



- McLaughlin, C.L. 2015. Development of Novel Therapeutic Approaches for The Reduction of Apolipoprotein B Expression. *Thesis*. Department of Cardiovascular Sciences University of Leicester. p.5. DOI: 10.13140/RG.2.1.3104.7840.
- Meddings, J.B. and J.M. Dietschy. 2012. *Clinical Biochemistry and Medicine*. Springer-Verlag. Berlin.p. 3.
- Mescher, A. 2011. *Histologi Dasar Junqueira : Teks dan Atlas*. Edisi 12. Penerbit Buku Kedokteran EGC. Jakarta. hal. 281-283.
- Mohan, A., N. Misra, D. Srivastav, D. Umapathy, and S. Kumar. 2014. Spirulina-The Nature's Wonder : A Review. *Scholars Journal of Applied Medical Sciences*. 2(4C): 1334-1339.
- Mueller, L. and V. Boehm. 2012. Antioxidant Activity of β -Carotene Compounds in Different in Vitro Assays. *Molecules*. 16 : 1055-1069.
- NCBI. 2019. National Center for Biotechnology Information. PubChem Database. *Gemfibrozil, CID=3463*.<https://pubchem.ncbi.nlm.nih.gov/compound/Gemfibrozil>. Diakses pada 26 Juni 2019.
- OECD. 2001. OECD Guideline for Testing of Chemicals. <https://www.oecd.org/chemicalsafety/risk-assessment/1948378.pdf>.
- Ovalle, W.K. and P.C. Nahirney. 2013. *Netter's Essential Histology*. 2nd ed. Elsevier Saunders. Philadelphia. p. 314.
- Panahi, Y., B. Pishgoo, H.R. Taghipour, H.R. Jalalian, A. Sahebkar, E. Mohammadi, and E. Abolhasani. 2012. Investigation of The Effects of *Chlorella vulgaris* as An Adjunctive Therapy for Dyslipidemia: Results of A Randomised Open-label Clinical Trial. *Nutrition and Dietetics*. 69: 13–19.
- Panahi, Y., M.E. Ghamarchehreh, F. Beiraghdar, M. Zare, A. Sahebkar, H.R. Jalalian, and E. Abolhasani. Investigation of The Effects of *Chlorella vulgaris* Supplementation in Patients with Non-Alcoholic Fatty Liver Disease: A Randomized Clinical Trial. *Hepato-Gastroenterology*. 59.
- Pearce, E.C. 2016. *Anatomi dan Fisiologi untuk Paramedis*. PT Gramedia Pustaka Utama. Jakarta. hal. 243-244.
- Peng, J., F. Luo, G. Ruan, R. Peng, and X. Li. 2017. Hypertriglyceridemia and Atherosclerosis. *Lipids in Health and Disease*. 16(233): 1-12.
- Peng, Y.F., H. Goyal, and G.D. Xu. 2017. Serum Bilirubin Has An Important Role in Multiple Clinical Applications. *Journal of Laboratory and Precision Medicine*. 2(82) : 1-7.
- Prassl, R. 2011. Human Low Density Lipoprotein: The Mystery of Core Lipid Packing. *Journal of Lipid Research*. 52: 187-188.



- Prassl, R. and P. Laggner. 2009. Molecular Structure of Low Density Lipoprotein: Current Status and Future Challenges. *European Biophysics Journal* . 38: 145–158.
- Ponnuswamy, I., S. Madhavan, and S. Shabudeen. 2013. Isolation and Characterization of Green Microalgae for Carbon Sequestration, Waste Water Treatment and Bio-fuel Production. *International Journal of Bio-Science and Bio-Technology*. 5(2): 17-26.
- Porth, C.M. 2017. *Essentials of Pathophysiology-Concepts of Altered Health States*. 2nd ed. Lippicott William & Wilkins. Philadelphia. p. 32.
- Posten, C. 2018. *Integrated Bioprocess Engineering*. Walter de Gruyter. Berlin. p. 185.
- Posten, C. and S.F. Chen. 2016. *Microalgae Biotechnology*. Volume 153 of Advances in Biochemical Engineering/Biotechnology. Springer. Switzerland. p. 100.
- Rani, K., N. Sandal, and P.K. Sahoo. 2018. A Comprehensive Review on Chlorella- Its Composition, Health Benefits, Market and Regulatory Scenario. *The Pharma Innovation Journal*. 7(7): 584-589.
- Ratnayanti, I.G.D., I.W. Sugiritama, I.A.I. Wahyuniari, N.M. Linawati, I.G.N. Mayun, D.A.A.S. Laksemi, I.G.N.S. Wiryawan, and I.G.K.N. Ariana. 2013. Penurunan Kadar Trigliserida pada Tikus Jantan dengan Terapi Growth Hormone. *Jurnal Veteriner*. 14(2): 178-183.
- Roy, A. and K. Pahan. 2009. Gemfibrozil, stretching arms beyond lipid lowering. *Immunopharmacol Immunotoxicol*. 31(3): 339–351.
- Rubianto, L. 2010. *Biodiesel*. Polinema Press. Malang. hal. 19.
- Ruedas, A.R. 2016. *Rattus norvegicus*. The IUCN Red List of Threatened Species 2016: e.T19353A22441833. <http://dx.doi.org/10.2305/IUCN.UK.2016-3.RLTS.T19353A22441833.en>. Diakses pada 24 September 2017.
- Safi, C., B. Zebib, O. Merah, P.Y. Pontalier, and C. Vaca-Garcia. 2014. Morphology, Composition, Production, Processing and Applications of *Chlorella vulgaris*: A Review. *Renewable and Sustainable Energy Reviews*. 35: 265–278.
- Saxena, T., A. Arya, A.J. Rathore, N. Rajak, S. Naz, and R. Shah. 2014. GGT and SGPT - A Rising Marker in Diagnosis of Non-Alcoholic Fatty Liver Disease. *Biomedical and Pharmacology Journal*. 7(1) : 277-280.
- Scoonheydt, R., C.T. Johnston, and F. Bergaya. 2018. *Surface and Interface Chemistry of Clay Minerals*. Elsevier. Amsterdam. p. 232.
- Setiowati, A. dan Hadi. 2013. Pengaruh Suplementasi Protein terhadap Komposisi Tubuh pada Atlet. *Jurnal Media Ilmu Keolahragaan Indonesia*. 3(2): 67-71.



- Shattat, G.F. 2014. A Review Article on Hyperlipidemia: Types, Treatments and New Drug Targets. *Biomedical & Pharmacology Journal*. 7(2): 399-409.
- Sili, C., G. Torzillo, and A. Vonshak. 2012. Arthrospira (Spirulina). In : Whitton BA (ed) *Ecology of Cyanobacteria II: Their Diversity in Space and Time*. Springer Science+Business Media. Berlin. pp. 677-705.
- Tang, G. and P.M. Suter. 2011. Vitamin A, Nutrition, and Health Values of Algae: Spirulina, Chlorella, and Dunaliella. *Journal of Pharmacy and Nutrition Sciences*. 1: 111-118.
- Tortora, G.J. and B.H. Derrickson. 2008. *Principles of Anatomy and Physiology*. 12th ed. John Wiley & Sons. Hoboken. pp. 945-946, 949.
- Tsai, M.T. and D.C. Tarnng. 2018. Beyond a Measure of Liver Function Bilirubin Acts as a Potential Cardiovascular Protector in Chronic Kidney Disease Patients. *International Journal of Molecular Sciences*. 20(117) : 1-19.
- Tsung, A. and D.A. Geller. 2011. Gross and Anatomy of The Liver. In : S.P.S. Monga (ed) *Molecular Pathology of Liver Diseases*. Springer Science+Business Media. Dordrecht. p.3.
- Wang, X., J.R. Chowdhury, and N.R. Chowdhury. 2006. Bilirubin Metabolism: Applied Physiology. *Current Paediatrics*. 16 : 70-74.
- Widiyanto, S., Mulyati, L. Fitria, R. Yudo, and E.A. Suyono. 2018. Biochemical Compounds and Sub-chronic Toxicity Test of *Chlorella* sp. and *Spirulina* sp. Isolated from Glagah Coastal Water. *Journal of Biological Researches*. 24(1): 58-64.
- Wright, D. 2000. *Human Physiology and Health*. Heinemann Educational Publishers. Oxford. p.102.
- Yang, R.Z., S. Park, W.J. Reagan, R. Goldstein, S. Zhong, M. Lawton, F. Rajamohan, K. Quan, L. Liu, and D.W. Gong. 2009. Alanine Aminotransferase Isoenzymes: Molecular Cloning and Quantitative Analysis of Tissue Expression in Rats and Serum Elevation in Liver Toxicity. *Hepatology*. 49(2) : 598-607.
- Yuan, G., K.Z. Al-Shali, and R.A. Hegele. 2007. Hypertriglyceridemia: Its Etiology, Effects and Treatment. *Canadian Medical Association Journal*. 176(8) : 1113-1120.
- Zachary, J.F. and M.D. McGavin. 2012. *Pathologic Basis of Veterinary Disease*. 5th ed. Elsevier. Missouri. p. 10.
- Zhang, Yi, J. Zhao, S.F. Zhou, Z.L. Yu, X.Y. Wang, P.Li Zhu, Z.S. Chu, S.Y. Pan, M. Xie, and K.M. Ko. 2017. Biochemical Mechanism underlying Hypertriglyceridemia and Hepatic Steatosis/Hepatomegaly Induced by Acute Schisandrin B Treatment in Mice. *Lipids in Health and Disease*. 16(8) : 1-15.



Zhao, S.P. and H.J. Ye. 2009. Hypertriglyceridemia. In : Florian Lang (ed) *Encyclopedia of Molecular Mechanism of Disease*. Springer Science+Business Media. Berlin. p. 951.

Zuliani, G., M. Galvani, E. Leitersdorf, S. Volpato, M. Cavalieri, and R. Fellin. 2009. The Role of Polyunsaturated Fatty Acids (PUFA) in The Treatment of Dyslipidemias. *Current Pharmaceutical Design*. 15 : 4087-4093.