DAFTAR PUSTAKA

Abbot, DA, Suir, E, Duong, GH, Hulster, ED, Pronk, JT, Maris, AJ 2009, 'Catalase overexpression reduces lactic acid induced oxidative stress in Saccharomyces cervisiae', *Applied and environmental microbiology*, vol.75, no.8, hlm.2320-2325, diakses 20 Agustus 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2675218/

Abdel-Mawla, A, Fadali, G, Youssef, E, Eliwa, H 2013, 'Induction of hepatocellular carcinoma in mice and the role of melatonin', *The Journal of Basic & Applied Zoology*, vol.66, no.4, hlm.206-222, diakses 21 Agustus 2019, https://www.sciencedirect.com/science/article/pii/S2090989613000076#b0325

Akbar, B 2010, *Tumbuhan Dengan Kandungan Senyawa Aktif yang Berpotensi Sebagai Bahan Antifertilitas*, Adabia Press, Jakarta.

Akinyemiju, T, Abera, S, Ahmed, M, Alam, N, Alemayohu, MA, Allen, C 2017, 'The burden of primary liver cancer and underlying etiologies from 1990 to 2015 at the global, regional, and national level'. *JAMA Oncology*, vol.3, no.12, hlm.1683–1691, diakses 2 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5824275/

Alfadda, AA & Sallam, RM 2012, 'Reactive oxygen species in health and disease'. *Journal of Biomedicine & Biotechnology*, vol.2012, ID.936486, diakses 20 Agustus 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3424049/

Astuti, DA 2015, *Diet Untuk Hewan Model*, IPB Press, Nutritional Sciencies and Feed Technology, Bogor.

Bray, F, Ferlay, J, Soerjomataram, I, Siegel, RL, Torre, LA, Jemal, A 2019, 'Global cancer statistics 2018: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries', *CA: A Cancer Journal for Clinicians*, vol.68, hlm.394–424, diakses 10 Agustus 2019, https://acsjournals.onlinelibrary.wiley.com/doi/full/10.3322/caac.21492

Diaz, A, Loewen, PC, Fita, I, Carpena, X 2012, 'Thirty years of heme catalases structural biology'. *Archives of Biochemistry and Biophysics*, vol.525, hlm.102-110, diakses 22 Agustus 2019, https://www.sciencedirect.com/science/article/abs/pii/S0003986111004231?via%3Dihub

Doi, Y, Tamano, S, Kawabe, M, Sano, M, Imai, N, Nakashima, H, Furukawa, F, Hagiwara, A, Otsuka, M, Shirai, T 2011, 'Concordance between results of medium-term liver carcinogenesis bioassays and long-term findings for carcinogenic 2-Nitropropane and non-carcinogenic1-nitropropane in F344 rats', *Journal of toxicologic pathology*, Vol.24, no.4, hlm.207-213, diakses 3 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266355/

El-Hadary, AE & Ramadan, MF 2018, 'Antioxidant traits and protective impact of Moringa oleifera leaf extract against diclofenac sodium-induced liver toxicity in rats'. *Journal of Food Biochemistry*, vol.43, ID.12704, diakses 10 Oktober 2019, https://onlinelibrary.wiley.com/doi/abs/10.1111/jfbc.12704

Gelband, H, Chen, C, Chen, W, Franceschi, S, Hall, S, London, W, McGlynn, K, Wild, C 2015, 'Liver Cancer', *Disease Control Priorities,* vol.3, hlm.147-164, diakses 20 Agustus 2019, https://www.ncbi.nlm.nih.gov/books/NBK343640/

Ghoochani, BFNM, Ghafourpour, M, Abdollahi, F, Tavallaie, S 2019. 'Pro-oxidant antioxidant balance in patients with non-alcoholic fatty liver disease'. *Gastroenterology and hepatology from bed to bench*, vol.12, no.2, hlm.124-130, diakses 25 Agustus 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6536017/

Glorieux, C & Calderon, PB 2017, 'Catalase, a remarkable enzyme: targeting the oldest antioxidant enzyme to find a new cancer treatment approach', *Biological Chemistry*, vol. 398, no.10, hlm.1095-1108, diakses 10 September 2019, https://www.degruyter.com/view/j/bchm.2017.398.issue-10/hsz-2017-0131/hsz-2017-0131.xml

Halliwell, B & Gutteridge, JM 2011, 'Oxygen toxicity, oxygen radicals, transition metals and disease', *Biochemical Journal*, vol.219, no.1, hlm.1-14, diakses 22 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1153442/

Hidayat, MA, Kuswandi, B, Aznam, N, Sulistiowaty, E 2012, *Kimia Farmasi*. Universitas Terbuka, Jakarta.

Integrated Taxonomy Information System 2019, *Moringa oleifera Lamk*, diakses 20 Agustus 2019, https://www.itis.gov/servlet/SingleRpt/SingleRpt;jsessionid=762D6506EF061965BB76154262A55941?search_topic=TSN&search_value=503874#null

Jongrungruangchok, S, Bunrathep, S, Songsak, T 2018, 'Nutrients and Minerals Content of Eleven Different Samples of Moringa oleifera Cultivated in Thailand', *Journal of Health Research*, vol.24, no.3, hlm.123-127, diakses 19 September 2019, https://www.tci-thaijo.org/index.php/jhealthres/article/view/156821

Kane, SR, Apte, VA, Todkar, SS, Mohite, SK 2009, 'Diuretic and laxative activity of ethanolic extract and its fractions of Euphorbia Thymifolia Linn', *International Journal of ChemTech Research*, vol.1, no.2, hlm.149-152, diakses 15 Oktober 2019, https://www.cabdirect.org/cabdirect/abstract/20093310659

Karthivashan, G, Kura, AU, Arulselvan, P, Md Isa, N, Fakurazi, S 2016, 'The modulatory effect of Moringa oleifera leaf extract on endogenous antioxidant systems and inflammatory markers in an acetaminophen-induced nephrotoxic mice model', *PeerJ*, vol.4, diakses 25 Oktober 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4941779/

Kawakami, S, Araki, T, Nakajima, M, Kusuoka, O, Uchida, K, Sato, N, Tanabe, Y, Takahashi, K, Wako, Y, Kawasako, K, Tsurui, K 2015, 'Repeated-dose liver micronucleus assay: an investigation with 2-Nitropropane, a hepatocarcinogen', *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*, vol.780–781, hlm.60–63, diakses 11 September 2019, https://www.sciencedirect.com/science/article/abs/pii/S1383571814001752?via%3Dihub

Kementrian Kesehatan Indonesia 2019, *Hari Kanker Sedunia 2019*, diakses 16 September 2019, http://www.depkes.go.id/article/view/19020100003/hari-kanker-sedunia-2019.html.

Kim, S, Chen, J, Cheng, T, Gindulyte, A, He, J, He, S, Li, Q, Shoemaker, BA, Thiessen, PA, Yu, B, Zaslavsky, L, Zhang, J, Bolton, EE 2019, 'PubChem 2019 update: improved access to chemical data', *Nucleic acids research*, vol.47, no.D1, hlm.D1102–D1109, diakses 12 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6324075/

Krych, J & Gebicka, L 2013, 'Catalase is inhibited by flavonoids', *International Journal of Biological Macromolecules*. vol.58, hlm.148–153, diakses 9 Oktober 2019, https://www.sciencedirect.com/science/article/pii/S0141813013001700?via%3Dihub

Kurniasih 2013, *Khasiat dan Manfaat Daun Kelor*, Pustaka Baru Press, Yogyakarta.

Liemburg-Apers, DC, Willems, PH, Koopman, WJ, Grefte, S 2015, 'Interactions between mitochondrial reactive oxygen species and cellular glucose metabolism', *Archives of Toxicology*, vol.89, no.8, hlm.1209-1226, diakses 2 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4508370/

Liou, GY & Storz, P 2010, 'Reactive oxygen species in cancer', *Free Radical Research*, vol.44, no.5, hlm.479-496, diakses 20 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3880197/

Lismont, C, Revenco, I, Fransen, M 2019, 'Peroxisomal Hydrogen Peroxide Metabolism and Signaling in Health and Disease', *International journal of molecular sciences*, vol.20, no.15, hlm.3673, diakses 12 September 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6695606/

Llovet, JM, Zucman-Rossi, J, Pikarsky, E, Sangro, B, Schwartz ,M, Sherman, M, Gores, G 2016, 'Hepatocellular carcinoma', *Nature Reviews Disease Primers*, vol.2, no.16018, diakses 9 September 2019, https://www.nature.com/articles/nrdp201618

Luqman, S, Srivastava, S, Kumar, R, Maurya, AK, Chanda, D 2012, 'Experimental Assessment of Moringa oleifera Leaf and Fruit for Its Antistress, Antioxidant, and Scavenging Potential Using In Vitro and In Vivo Assays', *Evidence-based complementary and alternative medicine.* vol.2012, diakses 12 Oktober 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3247066/

Majumdar, D, Das, A, Saha, C 2017, 'Catalase inhibition an anti cancer property of Flavonoids: A kinetic and structural evaluation', *International Journal of Biological Macromolecules*, vol.104, hlm.929-935, 20 Oktober 2019, https://www.sciencedirect.com/science/article/pii/S0141813017315441?via%3Dihub

Meigaria, KM, Mudianta, IW, Martiningsih, NW 2017, 'Skrining fitokimia dan uji aktivitas antioksidan ekstrak aseton daun kelor (Moringa oleifera)', *Wahana Matematika dan Sains: Jurnal Matematika, Sains, dan Pembelajarannya*, vol.10, no.2, hlm.1-11, diakses 20 September 2019, https://ejournal.undiksha.ac.id/index.php/JPM/article/view/12659

Morita, M, Ishida, N, Uchiyama, K 2012, 'Fatty liver induced by free radicals and lipid peroxidation', *Free Radical Research*, vol.46, no.6, hlm. 758–765, diakses 25 Agustus 2019, https://www.tandfonline.com/doi/abs/10.3109/10715762.2012.677840?journalCode=ifra20

Nakanishi, Y, Matsushita, A, Matsuno, K, Iwasaki, K, Utoh, M, Nakamura, C, Uno, Y 2011, 'Regional distribution of drug metabolizing enzyme activities in the liver and small intestine of cynomolgus monkey', *Drug Metabolism Pharmacokinetics*, vol.26, no.3, hlm.288-294, diakses 11 September 2019, https://www.sciencedirect.com/science/article/abs/pii/S1347436715305838

Nath, P & Singh, S 2018, 'Nonalcoholic Fatty Liver Disease: Time to Take the Bull by the Horns', *Euroasian journal of hepato-gastroenterology*, vol.8, no.1, hlm.47–51, diakses 20 Agustus 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6024035/

Nd, AM 2019, 'Non-Alcoholic Fatty Liver Disease, an Overview', *Integrative Medicine*, vol.18, no.2, hlm.42-49, diakses 29 Agustus 2019, https://www.ncbi.nlm.nih.gov/pubmed/31341444

Patel, R, Rinker, L, Peng, J, Chilian, WM 2017, *Reactive Oxygen Species (ROS) in Living Cells*. Intech Open, diakses 25 Agustus 2019, https://www.intechopen.com/books/reactive-oxygen-species-ros-in-living-cells/reactive-oxygen-species-the-good-and-the-bad

Pisoschi, AM & Pop, A 2015, 'The role of antioxidants in the chemistry of oxidative stress: a review', *European Journal of Medicinal Chemistry*, vol.97, hlm.55–74, diakses 22 September 2019, https://www.sciencedirect.com/science/article/pii/S0223523415300039?via%3Dihub

Pollak, M 2008, 'Insulin and insulin-like growth factor signaling in neoplasia', *Nature Reviews Cancer*, vol.8, hlm.915–928, diakses 10 September 2019, https://www.nature.com/articles/nrc2536

Pradana, A 2012, *Performa Mencit (Mus musculus) Jantan Lepas Sapih Umur 21-39 Hari dengan Pemberian Cacing Tanah (Lumbricus rubellus) sebagai Pakan Tambahan*, Skripsi, Departemen Ilmu Produksi dan Teknologi Peternakan, Fakultas Peternakan, Institut Pertanian Bogor.

Putra, IWDP, Dharmayudha, AAGO, & Sudimartini, LM 2016, 'Identifikasi Senyawa Kimia Ekstrak Etanol Daun Kelor (Moringa oleifera L) di Bali', *Indonesia Medicus Veterinus*, vol.5, no.5, hlm.464-473, diakses 22 Agustus 2019, https://ojs.unud.ac.id/index.php/imv/article/view/27257

Rizkayanti, R, Diah, AWM, Jura, MR 2017, 'Uji Aktivitas Antioksidan Ekstrak Air dan Ekstrak Etanol Daun Kelor (Moringa Oleifera LAM)', *Jurnal Akademika Kimia*, vol.6, no.2, hlm.125-131, diakses 2 September 2019, http://jurnal.untad.ac.id/jurnal/index.php/JAK/article/view/9244

Roberts, DL, Dive, C, Renehan, AG 2010, 'Biological mechanisms linking obesity and cancer risk: new perspectives', *Annual Review of Medicine*, vol.61, hlm.301–316, diakses 12 September 2019, https://www.annualreviews.org/doi/abs/10.1146/annurev.med.080708.082713?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.882003&rfr_id=ori%3Arid%3Acrossref.org&journalCode=med

Sanyal, A, Poklepovic, A, Moyneur, E, Barghout, V 2010, 'Population-based risk factors and resource utilization for HCC: US perspective', *Current medical research and opinion*, vol.26, no.9, hlm.2183-2191, diakses 22 Agustus 2019, https://www.tandfonline.com/doi/abs/10.1185/03007995.2010.506375?journalCode=icmo20

Saunders, D, Seidel, D, Allison, M, Lyratzopoulos, G 2010, 'Systematic review: the association between obesity and hepatocellular carcinoma–epidemiological evidence', *Alimentary pharmacology & therapeutics*, vol.31, no.10, hlm.1051-1063, diakses 10 September 2019, https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2036.2010.04271.x

Tetti, M 2014, 'Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. *Jurnal Kesehatan'*, vol.7, no.2, hlm.361–367, diakses 28 Agustus 2019, http://journal.uin-alauddin.ac.id/index.php/kesehatan/article/view/55

Toma, A, & Deyno, S 2014, 'Phytochemistry and pharmacological activities of Moringa oleifera', *International Journal of Pharmacognosy*, vol.1, hlm.222-231, diakses 29 Agustus 2019, http://ijpjournal.com/bft-article/phytochemistry-and-pharmacological-activities-of-moringa-oleifera/?view=fulltext

Unnikrishnan, A, Raffoul, JJ, Patel, HV, Prychitko, TM, Anyangwe, N, Meira, LB, Heydari, AR 2009, 'Oxidative stress alters base excision repair pathway and increases apoptotic response in apurinic/apyrimidinic endonuclease 1/redox factor-1 haploinsufficient mice', *Free radical biology & medicine*, vol.46, no.11, hlm.1488–1499, diakses 28 Agustus 2019, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2677124/

Vaknin, Y & Mishal, A 2017, 'The potential of the tropical "miracle tree" *Moringa oleifera* and its desert relative *Moringa* peregrina as edible seed-oil and protein crops under Mediterranean conditions', *Scientia Horticulturae*, vol. 225, hlm.431–437, diakses 20 September 2019, https://www.sciencedirect.com/science/article/abs/pii/S0304423817304570

Vanajakshi, V, Vijayendra, SVN, Varadaraj, MC, Venkateswaran, G, Renu, A 2015, 'Optimization of a probiotic beverage based on Moringa leaves and beetroot', *LWT - Food Science and Technology*, vol.63, no.2, hlm.1268-1273, diakses 15 September 2019, http://ir.cftri.com/12072/

Vanni, E & Bugianesi, E 2014, 'Obesity and Liver Cancer'. *Clinics in Liver Disease*, vol.18, no.1, hlm.191–203, diakses 12 September 2019, https://www.liver.theclinics.com/article/S1089-3261(13)00062-7/fulltext

Werdhasari, A 2015, 'Peran Antioksidan Bagi Kesehatan', *Jurnal Biotek Medisiana Indonesia*, vol.3, no.2, hlm.59-68, diakses 20 September 2019, http://ejournal.litbang.depkes.go.id/index.php/jbmi/article/view/4203

Yoshimoto, S, Loo, TM, Atarashi, K 2013, 'Obesity-induced gut microbial metabolite promotes liver cancer through senescence secretome', *Nature*, vol.499, hlm.97–101, diakses 22 Agustus 2019, https://www.nature.com/articles/nature12347