

DAFTAR PUSTAKA

- Alam, Nur, dan Nusrat Jahan Bristi. 2013. "Review on in vivo and in vitro methods evaluation of antioxidant activity." *Saudi Pharmaceutical Journal* 21(2):143–52. doi: 10.1016/j.jsps.2012.05.002.
- Alberts, Ben M. dkk. 2019. "Precipitation of soluble uric acid is necessary for in Vitro activation of the NLRP3 inflammasome in primary human monocytes." *Journal of Rheumatology* 46(9):1141–50. doi: 10.3899/jrheum.180855.
- Alderman, Michael H. 2002. "Uric acid and cardiovascular risk." *Current Opinion in Pharmacology* 2(2):126–30. doi: 10.1016/S1471-4892(02)00143-1.
- Andrews, Peter, dan Jay Kelley. 2007. "Middle Miocene dispersals of apes." *Folia Primatologica* 78(5–6):328–43. doi: 10.1159/000105148.
- Angriani, Eni dkk. 2013. "21436-41535-1-Sm."
- Arfamaini, Revi. 2016. "PMK_Formularorium_Obat_Herbal_Indonesia." *Applied Microbiology and Biotechnology* 85(1):2071–79.
- Aroor, Annayya R. dkk. 2013. "The Role of Tissue Renin-Angiotensin-Aldosterone System in the Development of Endothelial Dysfunction and Arterial Stiffness." *Frontiers in Endocrinology* 4(October):1–7. doi: 10.3389/fendo.2013.00161.
- Awin, Tahani dkk. 2020. "Identification of α -glucosidase inhibitory compounds from Curcuma mangga fractions." *International Journal of Food Properties* 23(1):154–66. doi: 10.1080/10942912.2020.1716792.
- Baldwin, William dkk. 2011. "Hyperuricemia as a mediator of the proinflammatory endocrine imbalance in the adipose tissue in a murine model of the metabolic syndrome." *Diabetes* 60(4):1258–69. doi: 10.2337/db10-0916.
- Barkas, Fotios dkk. 2018. "Uric acid and incident chronic kidney disease in dyslipidemic individuals." *Current Medical Research and Opinion* 34(7):1193–99. doi: 10.1080/03007995.2017.1372157.
- Battelli, Maria Giulia dkk. 2018. "The role of xanthine oxidoreductase and uric acid in metabolic syndrome." *Biochimica et Biophysica Acta - Molecular Basis of Disease* 1864(8):2557–65. doi: 10.1016/j.bbadis.2018.05.003.
- Battelli, Maria Giulia dkk. 2019. "Metabolic syndrome and cancer risk: The role of xanthine oxidoreductase." *Redox Biology* 21(November 2018):101070. doi: 10.1016/j.redox.2018.101070.
- Bene, Nicholas C. dkk. 2014. "Mineralocorticoid receptors in immune cells: Emerging role in cardiovascular disease." *Steroids* 91:38–45. doi: 10.1016/j.steroids.2014.04.005.
- Brand-Williams, W. dkk. 1995. "Use of a free radical method to evaluate antioxidant activity." *LWT - Food Science and Technology* 28(1):25–30. doi: 10.1016/S0023-6438(95)80008-5.
- Cabău, Georgiana dkk. 2020. "Urate-induced immune programming: Consequences for gouty arthritis and hyperuricemia." *Immunological Reviews* 294(1):92–105. doi: 10.1111/imr.12833.

- Cahyaningrum, Putu Lakustini, dan Ni Putu Rahayu Artini. 2018. "UJI AKTIVITAS ANTIBAKTERI SERBUK INSTAN KOMBINASI TEMU MANGGA (*Curcuma Mangga* Val.) DAN DAUN ANTING-ANTING (*Acalypha indica* L.)." *Jurnal Kesehatan Terpadu* 2(1):1–6. doi: 10.36002/jkt.v2i1.439.
- Chen-Xu, Michael dkk. 2019. "Contemporary Prevalence of Gout and Hyperuricemia in the United States and Decadal Trends: The National Health and Nutrition Examination Survey, 2007–2016." *Arthritis and Rheumatology* 71(6):991–99. doi: 10.1002/art.40807.
- Choi, Hyon K. dkk. 2005. "Intake of purine-rich foods, protein, and dairy products and relationship to serum levels of uric acid: The third national health and nutrition examination survey." *Arthritis and Rheumatism* 52(1):283–89. doi: 10.1002/art.20761.
- Cholis. 2009. "AKTIVITAS ANTIPLASMODIUM FRAKSI SEMIPOLAR EKSTRAK ETANOL RIMPANG TEMU MANGGA (*Curcuma mangga* Val.) TERHADAP *Plasmodium berghei* SECARA In Vivo SKRIPSI."
- Chuengsamarn, Somlak dkk. 2014. "Reduction of atherogenic risk in patients with type 2 diabetes by curcuminoid extract: A randomized controlled trial." *Journal of Nutritional Biochemistry* 25(2):144–50. doi: 10.1016/j.jnutbio.2013.09.013.
- Coiffier, Bertrand dkk. 2003. "Efficacy and safety of rasburicase (recombinant urate oxidase) for the prevention and treatment of hyperuricemia during induction chemotherapy of aggressive non-Hodgkin's lymphoma: Results of the GRAAL1 (Groupe d'Etude des Lymphomes de l'Adulte Trial on R." *Journal of Clinical Oncology* 21(23):4402–6. doi: 10.1200/JCO.2003.04.115.
- Corry, Dalila B. dkk. 2008. "Uric acid stimulates vascular smooth muscle cell proliferation and oxidative stress via the vascular renin-angiotensin system." *Journal of Hypertension* 26(2):269–75. doi: 10.1097/HJH.0b013e3282f240bf.
- Dong, Xiaokang dkk. 2020. "Epidemiology and prevalence of hyperuricemia among men and women in Chinese rural population: The Henan Rural Cohort Study." *Modern Rheumatology* 30(5):910–20. doi: 10.1080/14397595.2019.1660048.
- Dong, Yue dkk. 2019. "Novel urate transporter 1 (URAT1) inhibitors: a review of recent patent literature (2016–2019)." *Expert Opinion on Therapeutic Patents* 29(11):871–79. doi: 10.1080/13543776.2019.1676727.
- Dumor, Korshie dkk. 2018. "Arterial Stiffness in Hypertension: an Update." *Current Hypertension Reports* 20(8). doi: 10.1007/s11906-018-0867-x.
- Elis Susilawati, Ika Kurnia Sukmawati, Rizal Abdullah Sekolah. 2019. "AKTIVITAS ANTIHIPERURISEMIA EKSTRAK ETANOL DAUN PEPAYA (*Carica papaya* L.) PADA TIKUS PUTIH JANTAN GALUR WISTAR Elis." *Jurnal Sains dan Teknologi Farmasi Indonesia* VIII(1):1–12.
- Fadwa Essiarab, MPH; Hassan Taki, PhD; Halima Lebrazi, PhD; Maati Sabri, MD; Rachid Sai"le, PhD. n.d. "USEFULNESS OF LIPID RATIOS AND ATHEROGENIC INDEX OF PLASMA IN obesity and metabolic profiles and cardiovascular risk through lipid ratios and atherogenic index of plasma (AIP) in Moroccan obese." 207–12.

- Forman, John P. dkk. 2009. "Uric acid and insulin sensitivity and risk of hypertension." *Archives of Internal Medicine* 169(2):155–62. doi: 10.1001/archinternmed.2008.521.
- Galur, Jantan dkk. n.d. "Kata kunci:" 1–10.
- Gil, Pedro dkk. 2002. "Malondialdehyde: A possible marker of ageing." *Gerontology* 48(4):209–14. doi: 10.1159/000058352.
- Gunawan, Hendra. 2018. "Pengaruh Pemberian Ekstrak Etanol Herba Poguntano (*Picria FelTerae* Lour.) Terhadap Profil Lipid Tikus Putih Jantan Dislipidemia." *TALENTA Conference Series* 1(1):230–36.
- Hanani, Endang dkk. 2005. "Identifikasi Senyawa Antioksidan Dalam Spons *Callyspongia* Sp Dari Kepulauan Seribu." *Majalah Ilmu Kefarmasian* 2(3):127–33. doi: 10.7454/psr.v2i3.3389.
- Hartini, Supri dkk. 2017. "Uji Kualitas Serum Simpanan Terhadap Kadar." *Departemen Kesehatan 2012. Pedoman Praktek Laboratorium Yang Benar (Good Laboratory Practice)* 2(1):65–69.
- Hasanah, Mauizatul dkk. 2017. "Daya Antioksidan Ekstrak dan Fraksi Daun Kopi Robusta (*Coffea Robusta*) Terhadap Pereaksi DPPH (2,2-difenil-1-pikrilhidrazil)." *Indonesian Journal of Pharmaceutical Science and Technology* 4(2):42. doi: 10.15416/ijpst.v4i2.10456.
- Hasimun, Patonah dkk. 2019. "Prevention of Hypertension and Arterial Stiffness by Combination of *Centella asiatica* and *Curcuma longa* in Rats." *Asian Journal of Biological Sciences* 12(2):173–79. doi: 10.3923/ajbs.2019.173.179.
- Imbar, Agista C. dkk. 2019. "UJI AKTIVITAS ANTIHIPERURISEMIA EKSTRAK ETANOL TUMBUHAN SURUHAN (*Peperomia pellucida* L.Kunth) TERHADAP TIKUS PUTIH JANTAN (*Gallur wistar*) YANG DI INDUKSI KAFEIN." *Pharmacon* 8(4):953. doi: 10.35799/pha.8.2019.29375.
- Inaba, Shinichiro dkk. 2013. "What can asymptomatic hyperuricaemia and systemic inflammation in the absence of gout tell us? Is uric acid a biomarker or does it have a pathophysiological role in driving systemic inflammation." *Rheumatology (United Kingdom)* 52(6):963–65. doi: 10.1093/rheumatology/ket001.
- Intan Saridewi, A. dkk. 2018. "AKTIVITAS EKSTRAK METANOL RIMPANG KUNYIT PUTIH (*Curcuma zedoaria* Rosc.) SEBAGAI HIPOLIPIDEMIA PADA TIKUS WISTAR PUTIH OBESITAS DENGAN DIET TINGGI KOLESTEROL." *Jurnal Kimia* 140. doi: 10.24843/jchem.2018.v12.i02.p08.
- Isnindar. 2011. "ISOLASI DAN IDENTIFIKASI SENYAWA ANTIOKSIDAN DAUN KESEMEK (*Diospyros kaki* Thunb.) DENGAN METODEDPPH (2 , 2-DIFENIL-1- PIKRILHIDRAZIL) ISOLATION AND IDENTIFICATION OF ANTIOXIDANT COMPOUND OF PERSIMMON." *Majalah Obat Tradisional* 16(3):157–64.
- Johnson, Richard J. dkk. 2018. "Hyperuricemia, Acute and Chronic Kidney Disease, Hypertension, and Cardiovascular Disease: Report of a Scientific Workshop Organized by the National Kidney Foundation." *American Journal of Kidney Diseases* 71(6):851–65. doi: 10.1053/j.ajkd.2017.12.009.

- Kan, Yuhe dkk. 2019. "Influence of d-amino acids in beer on formation of uric acid." *Food Technology and Biotechnology* 57(3):418–25. doi: 10.17113/ftb.57.03.19.6022.
- Kang, H. T. dkk. 2012. "The association between the ratio of triglyceride to HDL-C and insulin resistance according to waist circumference in a rural Korean population." *Nutrition, Metabolism and Cardiovascular Diseases* 22(12):1054–60. doi: 10.1016/j.numecd.2011.01.013.
- Kiliç, Erkan dkk. 2016. "Effects and mechanisms of curcumin on the hemodynamic variables of isolated perfused rat hearts." *Turkish Journal of Medical Sciences* 46(1):166–73. doi: 10.3906/sag-1410-131.
- Kim, Seong Kyu dkk. 2019. "Anti-inflammatory effect of artemisinin on uric acid-induced NLRP3 inflammasome activation through blocking interaction between NLRP3 and NEK7." *Biochemical and Biophysical Research Communications* 517(2):338–45. doi: 10.1016/j.bbrc.2019.07.087.
- Kumar, Arun A. U. dkk. 2018. "Temporal trends in hyperuricaemia in the irish health system from 2006-2014: A cohort study." *PLoS ONE* 13(5):1–20. doi: 10.1371/journal.pone.0198197.
- Kuwabara, Masanari dkk. 2014. "Relationship between serum uric acid levels and hypertension among Japanese individuals not treated for hyperuricemia and hypertension." *Hypertension Research* 37(8):785–89. doi: 10.1038/hr.2014.75.
- Lanaspa, Miguel A. dkk. 2018. "High salt intake causes leptin resistance and obesity in mice by stimulating endogenous fructose production and metabolism." *Proceedings of the National Academy of Sciences of the United States of America* 115(12):3138–43. doi: 10.1073/pnas.1713837115.
- Lee, Mi Jung dkk. 2017. "The atherogenic index of plasma and the risk of mortality in incident dialysis patients: Results from a nationwide prospective cohort in Korea." *PLoS ONE* 12(5):1–15. doi: 10.1371/journal.pone.0177499.
- Li, Hui dkk. 2019. "Elevated uric acid levels promote vascular smooth muscle cells (VSMC) proliferation via an NOD-like receptor protein 3 (NLRP3)-inflammasome-dependent mechanism." *Medical Science Monitor* 25:8457–64. doi: 10.12659/MSM.916667.
- Li, Peng dkk. 2016. "Uric acid enhances PKC-dependent eNOS phosphorylation and mediates cellular ER stress: A mechanism for uric acid-induced endothelial dysfunction." *International Journal of Molecular Medicine* 37(4):989–97. doi: 10.3892/ijmm.2016.2491.
- Li, Zhi dkk. 2018. "High Uric Acid Inhibits Cardiomyocyte Viability Through the ERK/P38 Pathway via Oxidative Stress." *Cellular Physiology and Biochemistry* 45(3):1156–64. doi: 10.1159/000487356.
- Liu, Hong dkk. 2014. "Prevalence of hyperuricemia among Chinese adults: a national cross-sectional survey using multistage, stratified sampling." *Journal of Nephrology* 27(6):653–58. doi: 10.1007/s40620-014-0082-z.
- Liu, Rui dkk. 2015. "Prevalence of hyperuricemia and gout in mainland China from 2000 to 2014: A systematic review and meta-analysis." *BioMed Research International*

2015. doi: 10.1155/2015/762820.
- Mackay. 2005. "Profil Lipid." *Work and Stress* 18(2):113–36. doi: 10.1080/02678370410001734322.
- Madihah, Madihah dkk. 2016. "BLOOD GLUCOSE LEVEL AND PANCREAS HISTOLOGICAL SECTION OF MICE (*Mus musculus* L.) INDUCED BY ALLOXAN AFTER TREATMENT OF *Curcuma mangga* Val. RHIZOME EXTRACT." *Jurnal Biologi Udayana* 20(2):64. doi: 10.24843/jbiounud.2016.v20.i02.p04.
- Mahihody, Astri Juwita dkk. n.d. "Pkm Masyarakat Pesisir Dengan Pencegahan Diabetes Melitus Selatan Kabupaten Kepulauan Sangihe Provinsi Sulawesi Utara." 0–3.
- Mamenko, Mykola dkk. 2013. "Chronic angiotensin II infusion drives extensive aldosterone-independent epithelial Na⁺ channel activation." *Hypertension* 62(6):1111–22. doi: 10.1161/HYPERTENSIONAHA.113.01797.
- Martinon, Fabio dkk. 2006. "Gout-associated uric acid crystals activate the NALP3 inflammasome." *Nature* 440(7081):237–41. doi: 10.1038/nature04516.
- Maruhashi, Tatsuya dkk. 2013. "Hyperuricemia is independently associated with endothelial dysfunction in postmenopausal women but not in premenopausal women." *BMJ Open* 3(11). doi: 10.1136/bmjopen-2013-003659.
- Mastrocola, Raffaella dkk. 2013. "Advanced glycation end products promote hepatosteatosis by interfering with SCAP-SREBP pathway in fructose-drinking mice." *American Journal of Physiology - Gastrointestinal and Liver Physiology* 305(6):398–407. doi: 10.1152/ajpgi.00450.2012.
- Matias, Mariana Leticia dkk. 2015. "Endogenous and uric acid-induced activation of NLRP3 inflammasome in pregnant women with preeclampsia." *PLoS ONE* 10(6):1–16. doi: 10.1371/journal.pone.0129095.
- Megawati, Sefi dkk. 2021a. "Effectiveness of Anting-Anting Leaves (*Acalypha indica* L .) in Reducing Uric Acid Levels in Hyperuricemic Male White Rats (*Rattus novergicus*)." *Advances in Health Sciences Research* 33:534–37.
- Megawati, Sefi dkk. 2021b. "Effectiveness of Anting-Anting Leaves (*Acalypha indica* L.) in Reducing Uric Acid Levels in Hyperuricemic Male White Rats (*Rattus novergicus*)." *Proceedings of the 4th International Conference on Sustainable Innovation 2020–Health Science and Nursing (ICoSIHSN 2020)* 33(ICoSIHSN 2020):534–37. doi: 10.2991/ahsr.k.210115.104.
- Mikaberidze, Alex. 2017. "Letter To The Editor: 'Letter to the Editor.'" *International Journal of Phytoremediation* 56(1):135–36. doi: 10.1080/13518040701205365.
- Molyneux, Philip. n.d. "The use of the stable free radical diphenylpicryl- hydrazyl (DPPH) for estimating antioxidant activity." 50(June 2003).
- Mortada, Ibrahim. 2017. "Hyperuricemia, Type 2 Diabetes Mellitus, and Hypertension: an Emerging Association." *Current Hypertension Reports* 19(9):1–5. doi: 10.1007/s11906-017-0770-x.
- Murray, Robert K. .. Daryl K. Granner; Victor W. Rodwell; 2006. *BIOKIMIA HERPER*. Jakarta.

- Musdja, Muhammad Yanis dkk. 2019. "The Effect of Ethanol Extract of *Elephantopus scaber* Linn in Decreasing Blood Uric Acid Levels of Hyperuricemic Male Rats." *European Journal of Medicinal Plants* 28(4):1–9. doi: 10.9734/ejmp/2019/v28i430140.
- Nakagawa, Takahiko dkk. 2006. "A causal role for uric acid in fructose-induced metabolic syndrome." *American Journal of Physiology - Renal Physiology* 290(3). doi: 10.1152/ajprenal.00140.2005.
- Ng, Khai P. dkk. 2014. "Allopurinol is an independent determinant of improved arterial stiffness in chronic kidney disease: A cross-sectional study." *PLoS ONE* 9(3). doi: 10.1371/journal.pone.0091961.
- Nivorozhkin, Alex, dan Csaba Szabo. 2006. "Therapeutic Effects of Xanthine Oxidase Inhibitors :". 58(1):87–114. doi: 10.1124/pr.58.1.6.87.
- Nur, Khoirina, dan Sri Adi Sumiwi. 2020. "Aktivitas Berbagai Tanaman Sebagai Antihiperurisemia." *Farmaka* 17:33–49.
- Owen, Patrick L., dan Timothy Johns. 1999. "Xanthine oxidase inhibitory activity of northeastern North American plant remedies used for gout." *Journal of Ethnopharmacology* 64(2):149–60. doi: 10.1016/S0378-8741(98)00119-6.
- Penelitian, Balai, dan Tanaman Rempah. n.d. "Temu Mangga." 1–8.
- Prasad, Megha dkk. 2017. "Uric Acid Is Associated with Inflammation, Coronary Microvascular Dysfunction, and Adverse Outcomes in Postmenopausal Women." *Hypertension* 69(2):236–42. doi: 10.1161/HYPERTENSIONAHA.116.08436.
- Pujimulyani, Dwiwati dkk. 2010a. "Aktivitas Antioksidan Dan Kadar Senyawa Fenolik Pada Kunir Putih (*Curcuma Mangga* Val.) Segar Dan Setelah Blanching." *Agritech: Jurnal Fakultas Teknologi Pertanian UGM* 30(2). doi: 10.22146/agritech.9675.
- Pujimulyani, Dwiwati dkk. 2010b. "Pengaruh Blanching Terhadap aktivitas antioksidan, kadar fenol, flavonoid, dan tanin terkondensasi kunir putih." *AGRITECH, Vol. 30, No. 3, Agustus 2010* 30(3):141–47.
- Pujimulyani, Dwiwati dkk. 2020. "Curcuma mangga Val. Extract as Antidiabetic Agent in 3T3-L1 Adipocyte Cells." *Molecular and Cellular Biomedical Sciences* 4(1):45. doi: 10.21705/mcbs.v4i1.88.
- Putri, Nurul Eka, dan Rissyelly Rissyelly. 2016. "Uji Penghambatan Xantin Oksidase Secara In Vitro Ekstrak Kulit Rambutan." *Pharmaceutical Sciences and Research* 3(1):12–20. doi: 10.7454/psr.v3i1.3222.
- Retno, Tyas dkk. 2012. "Pengaruh Pemberian Isoflavon Terhadap Peroksidasi Lipid Pada Hati Tikus Normal." *Indonesia Medicus Veterinus* 1(4):483–91.
- Rinawati purba, martanto dan e. 2009. "KURKUMIN SEBAGAI SENYAWA ANTIOKSIDAN." *KURKUMIN SEBAGAI SENYAWA ANTIOKSIDAN IV*(3:607-621).
- Rinayanti, Aprilita dkk. 2016. "Uji Aktivitas Penghambatan Xantin Oksidase Isolat 6,4'-Dihidroksi-4-Metoksibenzofenon-2-O-B-D-Glukopiranosida (C₂₀H₂₂O₁₀) Dari Mahkota Dewa (*Phaleria Macrocarpa* (Scheff.) Boerl)." *Pharmaceutical Sciences and Research* 3(1):1–11. doi: 10.7454/psr.v3i1.3213.

- Riskesdas. 2013. "Skin substitutes to enhance wound healing." *Expert Opinion on Investigational Drugs* 7(5):803–9. doi: 10.1517/13543784.7.5.803.
- Robinson, Philip C. 2018. "Gout – An update of aetiology, genetics, co-morbidities and management." *Maturitas* 118:67–73. doi: 10.1016/j.maturitas.2018.10.012.
- Roddy, Edward, dan Hyon K. Choi. 2014. "Epidemiology of gout." *Rheumatic Disease Clinics of North America* 40(2):155–75. doi: 10.1016/j.rdc.2014.01.001.
- Roman, Youssef M. 2019. "The Daniel K. Inouye College of Pharmacy Scripts: Perspectives on the Epidemiology of Gout and Hyperuricemia." *Hawai'i journal of medicine & public health : a journal of Asia Pacific Medicine & Public Health* 78(2):71–76.
- Roncal-Jimenez, Carlos A. dkk. 2011. "Sucrose induces fatty liver and pancreatic inflammation in male breeder rats independent of excess energy intake." *Metabolism: Clinical and Experimental* 60(9):1259–70. doi: 10.1016/j.metabol.2011.01.008.
- Rothenbacher, Dietrich dkk. 2011. "Frequency and risk factors of gout flares in a large population-based cohort of incident gout." *Rheumatology* 50(5):973–81. doi: 10.1093/rheumatology/keq363.
- Sadowski, Cheryl A., dan Ernest Law. 2008. "Pathology and Therapeutics for Pharmacists: A Basis for Clinical Pharmacy Practice, 3rd Edition." *Journal of Pharmacy & Pharmaceutical Sciences* 11(3):66. doi: 10.18433/j3qg6k.
- Sanchez-Lozada, Laura G. dkk. 2019. "Uric acid activates aldose reductase and the polyol pathway for endogenous fructose and fat production causing development of fatty liver in rats." *Journal of Biological Chemistry* 294(11):4272–81. doi: 10.1074/jbc.RA118.006158.
- Sánchez-Lozada, Laura Gabriela dkk. 2013. "Uric acid-induced endothelial dysfunction is associated with mitochondrial alterations and decreased intracellular ATP concentrations." *Nephron - Experimental Nephrology* 121(3–4):71–78. doi: 10.1159/000345509.
- Sarjono, Purbowatiningrum. 2007. "Aktivitas Antibakteri Rimpang Temu Putih (Curcuma Mangga Vall)." *Jurnal Sains Dan Matematika* 15(2):89–93–93.
- Selvam, R., dan T. Biji Kurien. 1987. "Induction of lipid peroxidation by oxalate in experimental rat urolithiasis." *Journal of Biosciences* 12(4):367–73. doi: 10.1007/BF02898585.
- Shen, Liang, dan Hong Fang Ji. 2009. "Insights into the inhibition of xanthine oxidase by curcumin." *Bioorganic and Medicinal Chemistry Letters* 19(21):5990–93. doi: 10.1016/j.bmcl.2009.09.076.
- Singh, Gurkirpal dkk. 2019. "Gout and hyperuricaemia in the USA: Prevalence and trends." *Rheumatology (United Kingdom)* 58(12):2177–80. doi: 10.1093/rheumatology/kez196.
- Sompinit, Kamonwan dkk. 2020. "In vitro study on novel bioactive peptides with antioxidant and antihypertensive properties from edible rhizomes." *Lwt* 134(August):110227. doi: 10.1016/j.lwt.2020.110227.

- Song, Ming dkk. 2018. "Copper-fructose interactions: A novel mechanism in the pathogenesis of NAFLD." *Nutrients* 10(11):1–24. doi: 10.3390/nu10111815.
- Sridhar, Kandi, dan Albert Linton Charles. 2019. "In vitro antioxidant activity of Kyoho grape extracts in DPPH [rad] and ABTS [rad] assays: Estimation methods for EC 50 using advanced statistical programs." *Food Chemistry* 275:41–49. doi: 10.1016/j.foodchem.2018.09.040.
- Strilchuk, Larysa dkk. 2019. "Safety and tolerability of available urate-lowering drugs: a critical review." *Expert Opinion on Drug Safety* 18(4):261–71. doi: 10.1080/14740338.2019.1594771.
- Talarima, Bellytra dkk. 2012. "Faktor risiko 'gouty arthritis' di Kota Masohi Kabupaten Maluku Tengah tahun 2010." *Makara Kesehatan* 16(2):89–94.
- Vandana, S. dkk. 2006. "Comparative cytoprotective activity of vitamin C , E and beta-carotene against chromium induced oxidative stress in murine macrophages." 60:71–76. doi: 10.1016/j.biopha.2005.04.005.
- Wahjuni, Sri. 2012. "Malondialdehid." *kimia* 59.
- Wahyuni, Diah. 2017. "Tepung Labu Kuning (Cucurbita Moschata) Menurunkan Kadar Glukosa Darah Tikus Model Sindroma Metabolik." *Jurnal Aisyah : Jurnal Ilmu Kesehatan* 2(1):11–16. doi: 10.30604/jika.v2i1.26.
- Wang dkk. 2017. "Soluble Uric Acid Activates the NLRP3 Inflammasome." *Scientific Reports* 7(November 2016):1–14. doi: 10.1038/srep39884.
- Wang, Hongsha dkk. 2018. "Roles of hyperuricemia in metabolic syndrome and cardiac-kidney-vascular system diseases." *American Journal of Translational Research* 10(9):2749–63.
- Wang, S. Y. dkk. 2008. "Essential oil from leaves of *Cinnamomum osmophloeum* acts as a xanthine oxidase inhibitor and reduces the serum uric acid levels in oxonate-induced mice." 15:940–45. doi: 10.1016/j.phymed.2008.06.002.
- Whiteman, M. dkk. 2002. "A reassessment of the peroxynitrite scavenging activity of uric acid." *Annals of the New York Academy of Sciences* 962:242–59. doi: 10.1111/j.1749-6632.2002.tb04072.x.
- WHO. 1999. "WHO_NCD_NCS_99.2.pdf."
- Widowati, Wahyu dkk. 2005. "Penapisan Aktivitas Superoksida Dismutase pada Berbagai Tanaman." *Jkm* 5(1):33–48.
- Widyastuti, Indah dkk. 2020. "Antioxidant Activity of Temulawak (*Curcuma xanthorrhiza* Roxb.) and its Classification with Chemometrics." *Indonesian Journal of Chemometrics and Pharmaceutical Analysis* 02(1):29. doi: 10.22146/ijcpa.507.
- Wilson, Calum dkk. 2019. "Mitochondrial ATP production provides long-range control of endothelial inositol trisphosphate– evoked calcium signaling." *Journal of Biological Chemistry* 294(3):737–58. doi: 10.1074/jbc.RA118.005913.
- Wu, Jing dkk. 2019. "Efficacy of uric acid-lowering therapy on hypercholesterolemia and hypertriglyceridemia in gouty patients." *International Journal of Rheumatic Diseases* 22(8):1445–51. doi: 10.1111/1756-185X.13652.

- Wulandari, Sri dkk. 2012. "Inhibisi Xantin Oksidase oleh Ekstrak Etanol Kulit Melinjo (Gnetum gnemon) Relatif terhadap Allopurinol." *Jurnal Online Universitas Negeri Malang* 1(1):1–9.
- Xiao, Jing dkk. 2015. "Soluble uric acid increases NALP3 inflammasome and interleukin-1 β expression in human primary renal proximal tubule epithelial cells through the Toll-like receptor 4-mediated pathway." *International Journal of Molecular Medicine* 35(5):1347–54. doi: 10.3892/ijmm.2015.2148.
- Yagi, K. 1994. "Lipid peroxides and related radicals in clinical medicine." *Advances in Experimental Medicine and Biology* 366:1–15. doi: 10.1007/978-1-4615-1833-4_1.
- Yin, Wei dkk. 2019. "Uric acid regulates NLRP3/IL-1 β signaling pathway and further induces vascular endothelial cells injury in early CKD through ROS activation and K⁺ efflux." *BMC Nephrology* 20(1):1–10. doi: 10.1186/s12882-019-1506-8.
- Yu, Min A. dkk. 2010. "Oxidative stress with an activation of the renin-angiotensin system in human vascular endothelial cells as a novel mechanism of uric acid-induced endothelial dysfunction." *Journal of Hypertension* 28(6):1234–42. doi: 10.1097/HJH.0b013e328337da1d.
- Yulianto, Dede. 2009. "INHIBISI XANTIN OKSIDASE SECARA IN VITRO OLEH EKSTRAK ROSELA (Hibiscus sabdariffa) DAN CIPLUKAN (Physalis angulata)." *Kimia*.
- Yumita, Agustin dkk. 2013. "Xanthine oxidase inhibitory activity of some Indonesian medicinal plants and active fraction of selected plants." *International Journal of Pharmacy and Pharmaceutical Sciences* 5(SUPPL. 2):293–96.
- Yuriska, Anindhita. 2009. "Efek Alokasan Terhadap Kadar Glukosa Darah Tikus Wistar." *Ilmiah Fakultas Kedokteran*. doi: 10.1038/132817a0.
- Z., Zhou dkk. 2009. "RATAS: Effects of polysaccharide from Lycium barbarum in alloxan-induced diabetic mice." *African Journal of Biotechnology* 8(23):6634–37.
- Zhang, Yu Hui dkk. 2013. "Very high fructose intake increases serum LDL-cholesterol and total cholesterol: A meta-analysis of controlled feeding trials." *Journal of Nutrition* 143(9):1391–98. doi: 10.3945/jn.113.175323.
- Zulkarnain, Zuraida. 2015. "Dasar Terapi Tumor dan Kanker di Rumah Riset Jamu ‘ Hortus Medicus .’" 42(11):858–61.