

DAFTAR PUSTAKA

- Abd El-Aziz, R., Naguib, M., Rashed, L.A., 2018. Spleen size in patients with metabolic syndrome and its relation to metabolic and inflammatory parameters. *Egypt. J. Intern. Med.* 30, 78–82. <https://doi.org/10.4103/ejim.ejim> 86 17.
- Andi Makbul Aman, D.M., 2021. Panduan Pengelolaan Dislipidemia Indonesia. Penerbit PB PERKENI.
- Ardiansyah, Seno Aulia, and Et al. 2019. “Uji Aktivitas Penurunan Indeks Obesitas Dari Ekstrak Etanol Biji Kopi Hijau Robusta Terhadap Tikus Putih Jantan Galur Wistar.” *Jurnal Sains Dan Teknologi Farmasi Indonesia* VIII(2):1–12.
- Biswas, Dew, Sujata Mandal, Suchismita Chatterjee Saha, Champa Keeya Tudu, Samapika Nandy, Gaber El Saber Batiha, Mahipal S. Shekhawat, Devendra Kumar Pandey, and Abhijit Dey. 2021. “Ethnobotany, Phytochemistry, Pharmacology, and Toxicity of *Centella Asiatica* (L.) Urban: A Comprehensive Review.” *Phytotherapy Research* (August 2020):1–31. doi: 10.1002/ptr.7248.
- Bray, G. A., K. K. Kim, and J. P. H. Wilding. 2017. “Obesity: A Chronic Relapsing Progressive Disease Process. A Position Statement of the World Obesity Federation.” *Obesity Reviews* 18(7):715–23. doi: 10.1111/obr.12551.
- Brinkhaus, B., Lindner, M., Schugn, D., Hahn, E.G., 2000. Chemical, pharmacological and clinical profile of the East Asian medical plant *Centella asiatica*. *Phytomedicine* 7, 427–448. [https://doi.org/10.1016/S0944-7113\(00\)80065-3](https://doi.org/10.1016/S0944-7113(00)80065-3)
- Chang JS, Bai CH, Huang ZC, Owaga E, Chao KC, Chang CC, et al. Interleukin 10 and clustering of metabolic syndrome components in pediatrics. *Eur J Clin Invest* 2014; 44:384–394.
- Courtney, A., 2012. Formularies. *Pocket Handb. Nonhum. Primate Clin. Med.* 213–218. <https://doi.org/10.1201/b12934-13>
- D. Bian, M. Liu, Y. Li, Y. Xia, Z. Gong, and Y. Dai, “Madecasoside, a triterpenoid saponin isolated from *Centella asiatica* herbs, protects endothelial cells against oxidative stress,” *Journal of Biochemical and Molecular Toxicology*, vol. 26, no. 10, pp. 399–406, 2012
- Davoudi-Kiakalayeh, Ali, Reza Mohammadi, Ali Akbar Pourfathollah, Zahra Siery, and Sajad Davoudi-Kiakalayeh. 2017. “Alloimmunization in Thalassemia Patients: New Insight for

- Healthcare.” *International Journal of Preventive Medicine* 8:1–8. doi: 10.4103/ijpvm.IJPVM.
- Deng W, Fang X, Wu J. 1997. Flavonoids function as antioxidants: by scavenging reactive oxygen species or by chelating iron? *Radiat Phys Chem* 50:271–6.
- Departemen Kesehatan Republik Indonesia. 2008. *Farmakope Herbal Indonesia*, Edisi I. Departemen Kesehatan Republik Indonesia. Jakarta. Indonesia.
- Departemen Kesehatan Republik Indonesia. 2017. *Farmakope Herbal Indonesia*, Edisi II. Departemen Kesehatan Republik Indonesia. Jakarta. Indonesia.
- Deliara H, Kartikadewi A, Nugraheni DM. Ekstrak Ethanol Kulit Jeruk Purut (*Citrus hystrix*) Berpotensi sebagai Agen Penurun Kolesterol : Studi In Vivo Kaffir Lime Peel Ethanol Extract (*Citrus hystrix*) as a Cholesterol Reducing Agent : In Vivo Study untuk menurunkan kadar kolesterol total per. 2020;2(1).
- Dipiro JT, Chisholm-Burns., Marie A., Terry L. Schwinghammer., Patrick M. Malone., Jill M. Kolesar., P. Brandon Bookstaver., and Kelly C. Lee. *Pharmacotherapy and Practice*. 5th ed. The McGraw-Hill Companies. Inc. New York; 2019.
- Gray, Nora E., Armando Alcazar Magana, Parnian Lak, Kirsten M. Wright, Joseph Quinn, Jan F. Stevens, Claudia S. Maier, and Amala Soumyanath. 2018. “*Centella Asiatica*: Phytochemistry and Mechanisms of Neuroprotection and Cognitive Enhancement.” *Phytochemistry Reviews* 17(1):161–94. doi: 10.1007/s11101-017-9528-y.
- Gotoh K, Inoue M, Masaki T, Chiba S, Shimasaki T, Ando H, et al. A novel anti-inflammatory role for spleen-derived interleukin-10 in obesity-induced inflammation in white adipose tissue and liver. *Diabetes* 2012; 61: 1994–2003.
- Han X, Kitamoto S, Lian Q, Boisvert WA. Interleukin-10 facilitates both cholesterol uptake and efflux in macrophages. *J Biol Chem* 2009; 284: 32950–32958
- Hasimun, Patonah, Yani Mulyani, Hasballah Zakaria, and Adinda Rizkia Setiawan. 2021. “*Centella Asiatica* Effect in A High Fat and Fructose Diet-Induced Model of Metabolic Disorder in Rats.” *Journal Of Biochemical Technology* 12(1):1–5. doi: 10.51847/gzeddexleh
- .Hussin, M., Hamid, A.A., Mohamad, S., Saari, N., Bakar, F., Dek, S.P., 2009. Modulation of lipid metabolism by *centella asiatica* in oxidative stress rats. *J. Food Sci.* 74.

<https://doi.org/10.1111/j.1750-3841.2009.01045.x>

- Kadouh, Hoda C., and Andres Acosta. 2017. "Current Paradigms in the Etiology of Obesity." *Techniques in Gastrointestinal Endoscopy* 19(1):2–11. doi: 10.1016/j.tgie.2016.12.001.
- Kaniawati, M.-, 2020. Perbandingan Indeks Aterogenik Plasma Log (TG/HDL) pada Wanita Obes dan Non Obes. *J. Ilm. Farm. Farmasyifa* 3, 35–43. <https://doi.org/10.29313/jiff.v3i1.5118>
- L. Calabresi, S. Simonelli, M. Gomaraschi, and G. Franceschini, "Genetic lecithin:cholesterol acyltransferase deficiency and car-diovascular disease," *Atherosclerosis*, vol.222, no. 2, pp.299–306, 2012.
- M. Nakhjavani, A. Morteza, R. Karimi, Z. Banihashmi, and A. Esteghamati, "Diabetes induces gender gap on LCAT levels and activity," *Life Sciences*, vol.92, no.1, pp. 51–54, 2013.
- Pakdeechote, Poungrat, Sarawoot Bunbupha, Upa Kukongviriyapan, Parichat Prachaney, Wilaiwan Khisanapant, and Veerapol Kukongviriyapan. 2014. "Asiatic Acid Alleviates Hemodynamic and Metabolic Alterations via Restoring ENOS/INOS Expression, Oxidative Stress, and Inflammation in Diet-Induced Metabolic Syndrome Rats." *Nutrients* 6(1):355–70. doi: 10.3390/nu6010355.
- Proline. 2019. HDL-C Immuno FS Reagen diagnostik untuk pemeriksaan in vitro secara kuantitatif terhadap penentuan kadar high density lipoprotein cholesterol (HDL-C) pada serum atau plasma .https://proline.co.id/?media_dl=1119. Diakses pada tanggal 2 Februari 2020, pukul 2.00 WIB
- Proline.2019. LDL-C Immuno FS Reagen diagnostik untuk pemeriksaan in vitro secara kuantitatif terhadap penentuan kadar low density lipoprotein cholesterol (LDL-C) pada serum atau plasma https://proline.co.id/?media_dl=10698. Diakses pada tanggal 2 Februari 2020, pukul 1.00 WIB
- Proline.2019. Diagnostic reagent for quantitative in vitro determination of cholesterol in serum or plasmaon photometric systems. <https://ekatalog.lkpp.go.id/katalog/produk/detail/1250493?lang=id&type=general>. Diakses pada tanggal 2 Februari 2020, pukul 2.30WIB
- Proline.2019.Triglycerides FS 10' Reagen diagnostik untuk pemeriksaan in vitro secara kuantitatif terhadap trigliserida pada serum atau plasma dengan sistem fotometrik

https://proline.co.id/?media_dl=13980. Diakses pada tanggal 2 Februari 2020, pukul 2.36 WIB

- Rameshreddy P, Uddandrao VVS, Brahmanaidu P, Vadivukkarasi S, Ravindarnaik R, Suresh P, Swapna K, Kalaivani A, Parvathi P, Tamilmani P, Saravanan G. Obesity-alleviating potential of asiatic acid and its effects on ACC1, UCP2, and CPT1 mRNA expression in high fat diet-induced obese Sprague-Dawley rats. *Mol Cell Biochem*. 2018 May;442(1-2):143-154. doi: 10.1007/s11010-017-3199-2. Epub 2017 Oct 9. PMID: 28993954.
- Rousset S, Emre Y, Join-Lambert O, Hurtaud C, Ricquier D, CassardDoulcier AM. The uncoupling protein 2 modulates the cytokine balance in innate immunity. *Cytokine* 2006; 35:135–142
- Sanchez, Parra, Govind Chetty, and Pradip Sarkar. 2009. “Not the Typical Winter Cough.” *BMJ Case Reports*. doi: 10.1136/bcr.09.2008.0970.
- Savastano S, Di Somma C, Pizza G, De Rosa A, Nedi V, Rossi A, et al. Liver-spleen axis, insulin-like growth factor-(IGF)-I axis and fat mass in overweight/obese females. *J Transl Med* 2011;9:136
- Stevani, H., 2016. *Praktikum Farmakologi*. Kementrian Kesehatan Republik Indonesia. Jakarta Selatan. Indonesia.
- Sukandar, Elin Yulinah, Neng Fisher Kurniati, and Afriani Naidza Nurdianti. 2016. “Antiobesity Effect of Ethanol Extract of *Anredera Cordifolia* (Ten) Steenis Leaves on Obese Male Wistar Rats Induced by High-Carbohydrate Diet.” *International Journal of Pharmacy and Pharmaceutical Sciences* 8(4):171–73.
- Sulaeman, A., Pambudi, D.R., 2022. ATHEROROTEKTIF EFEK PEGAGAN (CENTELLA ASIATICA L .) DAN KUNYIT (CURCUMA LONGA L .) DALAM SEDIAAN JUS 8, 63–70
- Sun, Boju, Misa Hayashi, Maya Kudo, Lili Wu, Lingling Qin, Ming Gao, and Tonghua Liu. 2021. “Madecassoside Inhibits Body Weight Gain via Modulating SIRT1-AMPK Signaling Pathway and Activating Genes Related to Thermogenesis.” *Frontiers in Endocrinology* 12(March):1–12. doi: 10.3389/fendo.2021.627950.
- Susetyani, Eko., Roimil Latifa, Wahyono Poncojari, and Endrik Nurrohman. 2020. “Atlas Morfologi Dan Anatomi Pegagan (*Centella Asiatica*(L) Urban) Disertai Dengan

Pengamatan SEM.” 1–2.

- Sutanto, K., Karjadidjaja, I., 2019. Hubungan antara obesitas sentral dengan kejadian dislipidemia pada karyawan Universitas Tarumanagara pengunjung poliklinik Fakultas Kedokteran Universitas Tarumanagara November 2016 - April 2017. *Tarumanagara Med. J.* 1, 352–360.
- Tarantino G, Conca P, Pasanisi F, Ariello M, Mastrolia M, Arena A, et al. Could inflammatory markers help diagnose nonalcoholic steatohepatitis? *Eur J Gastroenterol Hepatol* 2009; 21:504–511.
- Tatum, P., Talebreza, S., Ross, J.S., Widera, E., 2019. Learning Objectives Αντικείμενο Μελέτης Learning Objectives Αντικείμενο Μελέτης Learning Objectives Αντικείμενο Μελέτης. *Med. Hyg. (Geneve)*. 62, 1–25.
- Uddandrao, V.V.S., Rameshreddy, P., Brahmanaidu, P., Ponnusamy, P., Balakrishnan, S., Ramavat, R.N., Swapna, K., Pothani, S., Nemani, H., Meriga, B., Vadivukkarasi, S., P. R, N., Ganapathy, S., 2020. Antiobesity efficacy of asiatic acid: down-regulation of adipogenic and inflammatory processes in high fat diet induced obese rats. *Arch. Physiol. Biochem.* 126, 453–462.
- United States Departement of Agriculture (USDA). (2014). Nutrient Database for Standard Reference of *Centella Asiatica (L.) Urb.* Diakses pada 12 Desember 2021, sumber <https://plants.usda.gov/home/plantProfile?symbol=CEAS>
- World Health Organization (2019). **Obesity** and Overwight. <https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight>.
- Yu, Zhihui, Changyi Mao, Xing Fu, and Meihu Ma. 2019. “High Density Lipoprotein from Egg Yolk (EYHDL) Improves Dyslipidemia by Mediating Fatty Acids Metabolism in High Fat Diet-Induced Obese Mice.” *Food Science of Animal Resources* 39(2):179–96. doi: 10.5851/kosfa.2018.e38.
- Zahara, Kulsoom. 2014. “Clinical and Therapeutic Benefits of Centella Asiatica.” *Pure and Applied Biology* 3(4):152–59. doi: 10.19045/bspab.2014.34004.
- Zainol MK, Abdul-Hamid A, Yusof S, Muse R. 2003. Antioxidative activity and total phenolic compounds of leaf, root and petiole offour accessions ofCentella asiatica (L.) urban. *Food Chem* 81:575–81

Zhao, Yun, Ping Shu, Youzhi Zhang, Limin Lin, Haihong Zhou, Zhentian Xu, Daqin Suo, Anzhi Xie, and Xin Jin. 2014. "Effect of Centella Asiatica on Oxidative Stress and Lipid Metabolism in Hyperlipidemic Animal Models." *Oxidative Medicine and Cellular Longevity* 2014. doi: 10.1155/2014/154295.