

6. DAFTAR PUSTAKA

- Adha, S. A., Febriyanti, R. M., & Milanda, T. (2019). Review : Potensi Sambiloto Sebagai Obat Antidiabetes Berbasis Herbal a Review : Potential of Sambiloto As Herbal Based Antidiabetic Medicine. *Medical Sains*, 4(1), 7–12.
- Adiguna, P., Panggabean, J. A., Atikana, A., Untari, F., Izzati, F., Bayu, A., Rosyidah, A., Rahmawati, S. I., & Putra, M. Y. (2021). Antiviral Activities of Andrographolide and Its Derivatives: Mechanism of Action and Delivery System. *Pharmaceutical*, 14(1102), 1–20. <https://doi.org/https://doi.org/10.3390/ph14111102>
- Agustina, D. (2017). Immunoblotting Detection of Immunoglobulin G Post Subcutaneous Immunization. *Journal of Agromedicine and Medical Sciences*, 3(2), 40–46.
- Ajaya Kumar, R., Sridevi, K., Vijaya Kumar, N., Nanduri, S., & Rajagopal, S. (2004). Anticancer and immunostimulatory compounds from *Andrographis paniculata*. *Journal of Ethnopharmacology*, 92(2–3), 291–295. <https://doi.org/10.1016/j.jep.2004.03.004>
- Ameh, S. J., Obodozie, O. O., Inyang, U. S., Abubakar, M. S., & Garba, M. (2010). Quality control tests on *Andrographis paniculata* nees (Family: Acanthaceae) - an Indian “Wonder” plant grown in Nigeria. *Tropical Journal of Pharmaceutical Research*, 9(4), 387–394. <https://doi.org/10.4314/tjpr.v9i4.58937>
- Anand, K., Ziebuhr, J., Wadhwani, P., Mesters, J. R., & Hilgenfeld, R. (2003). Coronavirus main proteinase (3CLpro) Structure: Basis for design of anti-SARS drugs. *Science*, 300(5626), 1763–1767. <https://doi.org/10.1126/science.1085658>
- Antika, A. D., & Sasongkowati, R. (2015). PENGARUH INFUSA DAUN SAMBILOTO (*Andrographis paniculata* , Ness) THE EFFECT OF INFUSION OF BITTER LEAF (*Andrographis paniculata* , Ness) ON THE GROWTH OF *Trichophyton rubrum*. *Jurnal of Medical Laboratory Technology*, 1(2), 98–105.
- Banerjee, S., Kar, A., Mukherjee, P. K., Haldar, P. K., Sharma, N., & Katiyar, C. K. (2021). Immunoprotective potential of Ayurvedic herb Kalmegh (*Andrographis paniculata*) against respiratory viral infections – LC–MS/MS and network pharmacology analysis. *Phytochemical Analysis*, 32(4), 629–639. <https://doi.org/10.1002/pca.3011>
- Bhan, M., Satija, S., Garg, C., Dureja, H., & Garg, M. (2017). Optimization of ionic liquid-based microwave assisted extraction of a diterpenoid lactone-andrographolide from *Andrographis paniculata* by response surface methodology. *Journal of Molecular Liquids*, 229, 161–166. <https://doi.org/10.1016/j.molliq.2016.12.011>
- Block, K. I., & Mead, M. N. (2003). Immune system effects of echinacea, ginseng, and astragalus: A review. *Integrative Cancer Therapies*, 2(3), 247–267. <https://doi.org/10.1177/1534735403256419>
- Bothiraja, C., Pawar, A. P., Shende, V. S., & Joshi, P. P. (2013). Acute and subacute toxicity study of andrographolide bioactive in rodents: Evidence for the medicinal use as an alternative medicine. *Comparative Clinical Pathology*, 22(6), 1123–1128. <https://doi.org/10.1007/s00580-012-1539-x>
- Brown, D. (2017). An evidence-based analysis of learning practices: the need for pharmacy students to employ more effective study strategies. *Currents in Pharmacy Teaching and Learning*, 9(2), 163–170. <https://doi.org/10.1016/j.cptl.2016.11.003>
- Budijastuti, W. (2006). Pengaruh Pemberian Filtrat Daun Sambiloto terhadap Jumlah Leukosit Darah Tikus Putih yang Terpapar Benzena. *Lentera Biologi*, 2(1), 5.
- Burgos, R. A., Alarcón, P., Quiroga, J., Manosalva, C., & Hancke, J. (2020). Andrographolide, an Anti-Inflammatory Multitarget Drug: All Roads Lead to Cellular Metabolism. *Molecules (Basel, Switzerland)*, 26(1). <https://doi.org/10.3390/molecules26010005>
- Cai, W., Wen, H., Zhou, Q., Wu, L., Chen, Y., Zhou, H., & Jin, M. (2020). 14-Deoxy-11,12-didehydroandrographolide inhibits apoptosis in influenza A(H5N1) virus-infected human

- lung epithelial cells via the caspase-9-dependent intrinsic apoptotic pathway which contributes to its antiviral activity. *Antiviral Research*, 181(March), 104885. <https://doi.org/10.1016/j.antiviral.2020.104885>
- Castelo-Branco, C., & Soveral, I. (2014). The immune system and aging: A review. *Gynecological Endocrinology*, 30(1), 16–22. <https://doi.org/10.3109/09513590.2013.852531>
- Chao, W. W., & Lin, B. F. (2010). Isolation and identification of bioactive compounds in *Andrographis paniculata* (Chuanxinlian). *Chinese Medicine*, 5, 1–15. <https://doi.org/10.1186/1749-8546-5-17>
- CHURIYAH, PONGTULURAN, O. B., ROFAANI, E., & TARWADI. (2015). Antiviral and Immunostimulant Activities of *Andrographis paniculata*. *HAYATI Journal of Biosciences*, 22(2), 67–72. <https://doi.org/10.4308/hjb.22.2.67>
- Cohen, H. (2006). How to write a patient case report. *American Journal of Health-System Pharmacy*, 63(19), 1888–1892. <https://doi.org/10.2146/ajhp060182>
- Dai, Y., Chen, S. R., Chai, L., Zhao, J., Wang, Y., & Wang, Y. (2019). Overview of pharmacological activities of *andrographis paniculata* and its major compound andrographolide. *Critical Reviews in Food Science and Nutrition*, 59(0), S17–S29. <https://doi.org/10.1080/10408398.2018.1501657>
- Dewi, I. K., Lestari, T., & Rofi'ah, S. N. (2016). Formulation and Physical Test of Ethanolic Extract Sambiloto Leaves (*Andrographis paniculata*) Ointment. *Sains Medika*, 6(2), 56. <https://doi.org/10.26532/sainsmed.v6i2.603>
- Ea, C. K., & Baltimore, D. (2009). Regulation of NF- κ B activity through lysine monomethylation of p65. *Proceedings of the National Academy of Sciences of the United States of America*, 106(45), 18972–18977. <https://doi.org/10.1073/pnas.0910439106>
- El, A. A. (2020). Ribavirin , Remdesivir , Sofosbuvir , Galidesivir , and Tenofovir against SARS- CoV-2 RNA dependent RNA polymerase (RdRp): A molecular docking study. *Life Sciences Sciences*, 253(February). <https://doi.org/10.1016/j.lfs.2020.117592>
- Fantini, J., Yahi, N., Colson, P., Chahinian, H., La Scola, B., & Raoult, D. (2022). The puzzling mutational landscape of the SARS-2-variant Omicron. *Journal of Medical Virology*, January, 1–7. <https://doi.org/10.1002/jmv.27577>
- Fauzia Nilam Orienty, Juni Handajani, T. H. (2015). EFEK EKSTRAK SAMBILOTO (*Andrographis Paniculata*) TERHADAP JUMLAH SEL INFLAMASI PADA MODEL PERIODONTITIS. *Jurnal B-Dent*, 2(1), 60–67. <https://jurnal.unbrah.ac.id/index.php/bdent/article/view/25/pdf>
- Firdayani, F., & Winarni Agustini, T. (2015). Ekstraksi Senyawa BIOaktif sebagai Antioksidan Alami Spirulina Platensis Segar dengan Pelarut yang Berbeda. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 18(1), 28–37. <https://doi.org/10.17844/jphpi.2015.18.1.28>
- Fu, Z., Huang, B., Tang, J., Liu, S., Liu, M., Ye, Y., Liu, Z., Xiong, Y., Zhu, W., Cao, D., Li, J., Niu, X., Zhou, H., Zhao, Y. J., Zhang, G., & Huang, H. (2021). The complex structure of GRL0617 and antiviral drug discovery. *Nature Communications*, 2021, 1–12. <https://doi.org/10.1038/s41467-020-20718-8>
- Fuentes, E., Fuentes, M., Alarcón, M., & Palomo, I. (2017). Immune system dysfunction in the elderly. *Anais Da Academia Brasileira de Ciencias*, 89(1), 285–299. <https://doi.org/10.1590/0001-3765201720160487>
- Gan, L., Zheng, Y., Deng, L., Sun, P., Ye, J., & Wei, X. (2019). Diterpenoid Lactones with Anti-Inflammatory Effects. *Molecules*, 24(2726), 1–17.
- Gong, N., Du, L., & Lu, Y. (2018). Neoandrographolide. *Natural Small Molecule Drugs From Plants*, 427–431.
- Grimes, D. A., & Schulz, K. F. (2002). An overview of clinical research: The lay of the land. *Lancet*, 359(9300), 57–61. [https://doi.org/10.1016/S0140-6736\(02\)07283-5](https://doi.org/10.1016/S0140-6736(02)07283-5)

- Hawker, S., Payne, S., Kerr, C., Hardey, M., & Powell, J. (2002). Appraising the evidence: Reviewing disparate data systematically. *Qualitative Health Research*, *12*(9), 1284–1299. <https://doi.org/10.1177/1049732302238251>
- Illah, Z. A., Ratnani, R. D., Suwardiyono, & Hartati, I. (2014). Ekstraksi Hidrotopi Dengan Magnetic Stirer Untuk Mendapatkan Senyawa Andrographolide Dari Tanaman Sambiloto (*Andrographis paniculata*). *Momentum*, *10*(1), 38–42.
- Jadhav, A. K., & Karuppayil, S. M. (2021). *Andrographis paniculata* (Burm. F) Wall ex Nees: Antiviral properties. *Phytotherapy Research*, *October 2020*, 1–9. <https://doi.org/10.1002/ptr.7145>
- Jamali, N. (2013). TEKNIK ILUSTRASI MASALAH – FISHBONE DIAGRAMS. *Badan Pendidikan Dan Pelatihan Keuangan Departemen Keuangan Pendidikan Dan Pelatihan Keuangan Departemen Keuangan*, 1–8.
- Khandia, R., Singhal, S., Alqahtani, T., Kamal, M. A., El-Shall, N. A., Nainu, F., Desingu, P. A., & Dhama, K. (2022). Emergence of SARS-CoV-2 Omicron (B.1.1.529) variant, salient features, high global health concerns and strategies to counter it amid ongoing COVID-19 pandemic. *Environmental Research*, *209*(January), 112816. <https://doi.org/10.1016/j.envres.2022.112816>
- Klemm, T., Ebert, G., Calleja, D. J., Allison, C. C., Richardson, L. W., Bernardini, J. P., Lu, B. G. C., Kuchel, N. W., Grohmann, C., Shibata, Y., Gan, Z. Y., Cooney, J. P., Doerflinger, M., Au, A. E., Blackmore, T. R., Noort, G. J. V. D. H. Van, Geurink, P. P., Ovaa, H., Newman, J., ... Komander, D. (2020). Mechanism and inhibition of the papain-like protease , PLpro , of SARS-CoV- 2. *THE EMBO JOURNAL*, *39*, 1–17. <https://doi.org/10.15252/emboj.2020106275>
- Kusuma Dewi, Y., & Amelia Riyandari, B. (2020). Potensi Tanaman Lokal sebagai Tanaman Obat dalam Menghambat Penyebaran COVID-19. *Jurnal Pharmascience*, *07*(02), 112–128. <https://ppjp.ulm.ac.id/journal/index.php/pharmascience>
- Lee, M. J., Rao, Y. K., Chen, K., Lee, Y. C., Chung, Y. S., & Tzeng, Y. M. (2010). Andrographolide and 14-deoxy-11,12-didehydroandrographolide from *Andrographis paniculata* attenuate high glucose-induced fibrosis and apoptosis in murine renal mesangial cell lines. *Journal of Ethnopharmacology*, *132*(2), 497–505. <https://doi.org/10.1016/j.jep.2010.07.057>
- Li, Xia, Gao, J., Li, M., Cui, H., Jiang, W., Tu, Z. C., & Yuan, T. (2021). Aromatic Cadinane Sesquiterpenoids from the Fruiting Bodies of *Phellinus pini* Block SARS-CoV-2 Spike-ACE2 Interaction. *Journal of Natural Products*, *84*(8), 2385–2389. <https://doi.org/10.1021/acs.jnatprod.1c00426>
- Li, Xiaowei, Geng, M., Peng, Y., Meng, L., & Lu, S. (2020). Molecular immune pathogenesis and diagnosis of COVID-19. *Journal of Pharmaceutical Analysis*, *10*(2), 102–108. <https://doi.org/10.1016/j.jpha.2020.03.001>
- Liu, J., Wang, Z. T., & Ji, L. L. (2007). In vivo and in vitro anti-inflammatory activities of neoandrographolide. *American Journal of Chinese Medicine*, *35*(2), 317–328. <https://doi.org/10.1142/S0192415X07004849>
- Low, M., Khoo, C. S., Münch, G., Govindaraghavan, S., & Sucher, N. J. (2015). An in vitro study of anti-inflammatory activity of standardised *Andrographis paniculata* extracts and pure andrographolide. *BMC Complementary and Alternative Medicine*, *15*(1), 1–9. <https://doi.org/10.1186/s12906-015-0525-7>
- Medzhitov, Ruslan ; Janeway, C. (2000). Advances in Immunology. *Annals of Internal Medicine*, *83*(3), 445. https://doi.org/10.7326/0003-4819-83-3-445_2
- Megantara, S., Levita, J., Ibrahim, S., & Nguyen, B. P. (2021). Andrographolide, a diterpenoid lactone compound of *andrographis paniculata*, binds to lys353 and asp38 in the peptidase domain of human angiotensin-converting enzyme 2. *Rasayan Journal of Chemistry*,

- 14(1), 241–247. <https://doi.org/10.31788/RJC.2021.1416070>
- Mishra, S., Tiwari, S. K., Kakkar, A., & Pandey, A. K. (2010). Chemoprofiling of *Andrographis paniculata* (Kalmegh) for its andrographolide content in Madhya Pradesh, India. *International Journal of Pharma and Bio Sciences*, 1(2).
- MUNAWAR, M., MUHARNI, M., & IVANTRI, I. (2015). Chemical Constituent from an Endophytic Fungus *Aspergillus* sp (SbD5) Isolated from Sambiloto (*Andrographis paniculata* Nees). *Microbiology Indonesia*, 9(2), 82–88. <https://doi.org/10.5454/mi.9.2.5>
- Murugan, N. A., Pandian, C. J., & Jeyakanthan, J. (2021). Computational investigation on *Andrographis paniculata* phytochemicals to evaluate their potency against SARS-CoV-2 in comparison to known antiviral compounds in drug trials. *Journal of Biomolecular Structure and Dynamics*, 39(12), 4415–4426. <https://doi.org/10.1080/07391102.2020.1777901>
- Nie, X., Chen, S. R., Wang, K., Peng, Y., Wang, Y. T., Wang, D., Wang, Y., & Zhou, G. C. (2017). Attenuation of Innate Immunity by Andrographolide Derivatives Through NF-κB Signaling Pathway. *Scientific Reports*, 7(1), 1–10. <https://doi.org/10.1038/s41598-017-04673-x>
- Nugroho, A. E., Andrie, M., Warditiani, N. K., Siswanto, E., Pramono, S., & Lukitaningsih, E. (2012). Antidiabetic and antihyperlipidemic effect of *Andrographis paniculata* (Burm. f.) Nees and andrographolide in high-fructose-fat-fed rats. *Indian Journal of Pharmacology*, 44(3), 377–381. <https://doi.org/10.4103/0253-7613.96343>
- Pasare, C., & Medzhitov, R. (2004). Toll-like receptors: Linking innate and adaptive immunity. *Microbes and Infection*, 6(15), 1382–1387. <https://doi.org/10.1016/j.micinf.2004.08.018>
- Patarapanich, C., Laungcholatan, S., Mahaverawat, N., Chaichantipyuth, C., & Pummangura, S. (2007). HPLC determination of active diterpene lactones from *Andrographis paniculata* Nees planted in various seasons and regions in Thailand. *Thai J. Pharm. Sci.*, 31(November 2015), 91–99.
- Patin, E. W., Zaini, M. A., & Sulastri, Y. (2018). PENGARUH VARIASI SUHU PENDINGINAN TERHADAP SIFAT FISIKO KIMIA TEH DAUN SAMBILOTO (*Andrographis paniculata*). *Pro Food*, 4(1), 251–258. <https://doi.org/10.29303/profood.v4i1.72>
- Pereira, M. R., Mohan, S., Cohen, D. J., Husain, S. A., Dube, G. K., Ratner, L. E., Arcasoy, S., Aversa, M. M., Benvenuto, L. J., Dadhanian, D. M., Kapur, S., Dove, L. M., Brown, R. S., Rosenblatt, R. E., Samstein, B., Uriel, N., Farr, M. A., Satlin, M., Small, C. B., ... Verna, E. C. (2020). COVID-19 in solid organ transplant recipients: Initial report from the US epicenter. *American Journal of Transplantation*, 20(7), 1800–1808. <https://doi.org/10.1111/ajt.15941>
- Porcheddu, R., Serra, C., Kelvin, D., Kelvin, N., & Rubino, S. (2020). Similarity in Case Fatality Rates (CFR) of COVID-19/SARS-COV-2 in Italy and China. *Journal of Infection in Developing Countries*, 14(2), 125–128. <https://doi.org/10.3855/jidc.12600>
- Pujiasmanto, B., & Moenandir, J. (2007). Kajian Agroekologi dan Morfologi Sambiloto (*Andrographis paniculata* Ness.) pada Berbagai Habitat. *Biodiversitas*, 8, 326–329. <https://doi.org/10.13057/biodiv/d080416>
- Rahayu, K., Sari, P., Pratama, N. P., & Husna, N. (2020). Acute toxicity study of *Andrographis paniculata* (Burm. f.) Nees herbs and *Gynura procumbens* (Merr.) leaves extracts combination. *Jurnal Imiah Farmasi*, 16(1), 39–51.
- Rais, I. R. (2014). EKSTRAKSI ANDROGRAFOLID DARI (Burm.f.) Nees MENGGUNAKAN EKSTRAKTOR SOXHLET. *Pharmaciana*, 4(1), 86–87. <https://doi.org/10.12928/pharmaciana.v4i1.402>
- Rajagopal, K. (2020). Activity of Phytochemical Constituents of *Curcuma longa* (Turmeric) Against SARS-CoV-2 Main Protease (Covid19): Anin-Silico Approach. *International*

- Rajagopal, Kalirajan, Varakumar, P., Baliwada, A., & Byran, G. (2020). Activity of phytochemical constituents of *Curcuma longa* (turmeric) and *Andrographis paniculata* against coronavirus (COVID-19): an in silico approach. *Future Journal of Pharmaceutical Sciences*, 6(104), 10.
- Ratnani, R. D., Hartati, I., & Kurniasari, L. (2012). POTENSI PRODUKSI ANDROGRAPHOLIDE DARI SAMBILOTO (*Andrographis paniculata* Neess) MELALUI PROSES EKSTRAKSI HIDROTROPI. *Momentum*, 8(1), 6–10.
- Rochmat, A. (2015). Karakteristik Senyawa Flavonoid Ekstrak Sambiloto (*Andrographis paniculata*) yang Mempunyai Aktivitas Inhibisi Terhadap Enzim Siklooksigenase-2 Secara In Vitro. *Jurnal Integrasi Proses*, 5(2), 81–87. <http://jurnal.untirta.ac.id/index.php/jip> Submitted
- Roy, D. N., Mandal, S., Sen, G., Mukhopadhyay, S., & Biswas, T. (2010). 14-Deoxyandrographolide desensitizes hepatocytes to tumour necrosis factor-alpha-induced apoptosis through calcium-dependent tumour necrosis factor receptor superfamily member 1A release via the NO/cGMP pathway. *British Journal of Pharmacology*, 160(7), 1823–1843. <https://doi.org/10.1111/j.1476-5381.2010.00836.x>
- Royani, J. I., Hardianto, D., & Wahyuni, S. (2014). ANALISA KANDUNGAN ANDROGRAPHOLIDE PADA TANAMAN SAMBILOTO (*Andrographis paniculata*) DARI 12 LOKASI DI PULAU JAWA. *Jurnal Bioteknologi & Biosains Indonesia (JBBi)*, 1(1), 15. <https://doi.org/10.29122/jbbi.v1i1.547>
- Sa-Ngiamsumtorn, K., Suksatu, A., Pewkliang, Y., Thongsri, P., Kanjanasirirat, P., Manopwisedjaroen, S., Charoensutthivarakul, S., Wongtrakoongate, P., Pitiporn, S., Chaopreecha, J., Kongsomros, S., Jearawuttanakul, K., Wannalo, W., Khemawoot, P., Chutipongtanate, S., Borwornpinyo, S., Thitithanyanont, A., & Hongeng, S. (2020). Anti-SARS-CoV-2 Activity of *Andrographis paniculata* Extract and Its Major Component Andrographolide in Human Lung Epithelial Cells and Cytotoxicity Evaluation in Major Organ Cell Representatives. *Journal of Natural Products*. <https://doi.org/10.1021/acs.jnatprod.0c01324>
- Sayre, J. W., Toklu, H. Z., Ye, F., Mazza, J., & Yale, S. (2017). Case Reports, Case Series – From Clinical Practice to Evidence-Based Medicine in Graduate Medical Education. *Cureus*, 9(8), 7–11. <https://doi.org/10.7759/cureus.1546>
- Shannon, A., Le, N. T. T., Selisko, B., Eydoux, C., Alvarez, K., Guillemot, J. C., Decroly, E., Peersen, O., Ferron, F., & Canard, B. (2020). Remdesivir and SARS-CoV-2: Structural requirements at both nsp12 RdRp and nsp14 Exonuclease active-sites. *Antiviral Research*, 178(March), 104793. <https://doi.org/10.1016/j.antiviral.2020.104793>
- Shen, Y. C., Chen, C. F., & Chiou, W. F. (2002). Andrographolide prevents oxygen radical production by human neutrophils: Possible mechanism(s) involved in its anti-inflammatory effect. *British Journal of Pharmacology*, 135(2), 399–406. <https://doi.org/10.1038/sj.bjp.0704493>
- Sohrabi, C., Alsafi, Z., O’Neill, N., Khan, M., Kerwan, A., Al-Jabir, A., Iosifidis, C., & Agha, R. (2020). World Health Organization declares global emergency: A review of the 2019 novel coronavirus (COVID-19). *International Journal of Surgery*, 76(February), 71–76. <https://doi.org/10.1016/j.ijssu.2020.02.034>
- Sukardiman, Ervina, M., Pratama, M. R. F., Poerwono, H., & Siswodihardjo, S. (2020). The coronavirus disease 2019 main protease inhibitor from *Andrographis paniculata* (Burm.f)

- Ness. *Journal of Advanced Pharmaceutical Technology and Research*, 11(4), 157–162. https://doi.org/10.4103/japtr.JAPTR_84_20
- Thakur, A. K., Rai, G., Chatterjee, S. S., & Kumar, V. (2016). Beneficial effects of an *Andrographis paniculata* extract and andrographolide on cognitive functions in streptozotocin-induced diabetic rats. *Pharmaceutical Biology*, 54(9), 1528–1538. <https://doi.org/10.3109/13880209.2015.1107107>
- Worasuttayangkurn, L., Nakareangrit, W., Kwangjai, J., Sritangos, P., Pholphana, N., Watcharasit, P., Rangkadilok, N., Thiantanawat, A., & Satayavivad, J. (2019). Acute oral toxicity evaluation of *Andrographis paniculata*-standardized first true leaf ethanolic extract. *Toxicology Reports*, 6(April), 426–430. <https://doi.org/10.1016/j.toxrep.2019.05.003>
- Xu, Y., Chen, A., Fry, S., Barrow, R. A., Marshall, R. L., & Mukkur, T. K. S. (2007). Modulation of immune response in mice immunised with an inactivated *Salmonella* vaccine and gavaged with *Andrographis paniculata* extract or andrographolide. *International Immunopharmacology*, 7(4), 515–523. <https://doi.org/10.1016/j.intimp.2006.12.008>
- Yuan, M., Meng, W., Liao, W., & Lian, S. (2018). Andrographolide Antagonizes TNF- α -Induced IL-8 via Inhibition of NADPH Oxidase/ROS/NF- κ B and Src/MAPKs/AP-1 Axis in Human Colorectal Cancer HCT116 Cells [Research-article]. *Journal of Agricultural and Food Chemistry*, 66, 5139–5148. <https://doi.org/10.1021/acs.jafc.8b00810>
- Zhang, Z., Jiang, J., Yu, P., Zeng, X., Larrick, J. W., & Wang, Y. (2009). Hypoglycemic and beta cell protective effects of andrographolide analogue for diabetes treatment. *Journal of Translational Medicine*, 7(Cdc), 1–13. <https://doi.org/10.1186/1479-5876-7-62>
- Zhao, Y., Du, X., Duan, Y., Pan, X., Sun, Y., You, T., Han, L., Jin, Z., Shang, W., Yu, J., Guo, H., Liu, Q., Wu, Y., Peng, C., Wang, J., Zhu, C., Yang, X., Yang, K., Lei, Y., ... Yang, H. (2021). High-throughput screening identifies established drugs as SARS-CoV-2 PLpro inhibitors. *Protein and Cell*. <https://doi.org/10.1007/s13238-021-00836-9>
- Zhu, N., Hou, J., & Yang, N. (2021). Network pharmacology integrated with experimental validation revealed the anti-inflammatory effects of *Andrographis paniculata*. *Scientific Reports*, 11(1), 1–16. <https://doi.org/10.1038/s41598-021-89257-6>
- Zou, W., Xiao, Z., Wen, X., Luo, J., Chen, S., Cheng, Z., Xiang, D., Hu, J., & He, J. (2016). The anti-inflammatory effect of *Andrographis paniculata* (Burm. f.) Nees on pelvic inflammatory disease in rats through down-regulation of the NF-KB pathway. *BMC Complementary and Alternative Medicine*, 16(1), 1–7. <https://doi.org/10.1186/s12906-016-1466-5>