

DAFTAR PUSTAKA

- Ahmad, I. (2020). Optimasi Metode Ekstraksi Berbantu Mikrowave dengan Pelarut Hijau (Asam Sitrat-Glukosa) terhadap Kadar Polifenol Total dari Daun Kadamba (*Mitragyna speciosa* Korth . Havil), 24(1), 11–16.
<https://doi.org/10.20956/mff.v24i1.9456>
- Anna Hidayati. (2013). Uji Efek Sedatif Ekstrak n-Heksan dari Daun Kratom (*Mitragyna speciosa* Korth.) pada Mencit Jantan. *Journal of Chemical Information and Modeling*, 53(9).
- Ayu, R., Putri, A., Tyasningsih, W., & Fikri, F. (2021). Uji Cemaran *Salmonella* sp . pada Susu Segar Kambing Sapera di Kecamatan Siliragung Kabupaten Banyuwangi. *Prosiding Seminar Nasional Pembangunan Dan Pendidikan Vokasi Pertanian*, 1(1), 186–197.
- Azizi, J., Ismail, S., Mordi, M. N., Ramanathan, S., Ikram, M., Said, M., & Mansor, S. M. (2010). In Vitro and in Vivo Effects of Three Different *Mitragyna speciosa* Korth Leaf Extracts on Phase II Drug Metabolizing Enzymes—Glutathione Transferases (GSTs), 432–441.
<https://doi.org/10.3390/molecules15010432>
- Candra, A. Y. R., Widodo, M. E., Yanestria, S. M., Mardijanto, A., & Wibisono, F. J. (2022). Uji Kualitas (Organoleptis , Eber) dan Identifikasi Cemaran *Salmonella* Sp . Pada Daging Ayam Dari Pasar Tradisional di Surabaya Barat. *Journal of Tropical Animal and Veterinary Science*, 12(1), 99–106.
<https://doi.org/10.46549/jipvet.v12i1.252>
- Carpenter, J. M., Criddle, C. A., Craig, H. K., Ali, Z., Zhang, Z., Khan, I. A., &

- Sufka, K. J. (2016). Comparative effects of *Mitragyna speciosa* extract, mitragynine, and opioid agonists on thermal nociception in rats. *Fitoterapia*, 109, 87–90. <https://doi.org/10.1016/j.fitote.2015.12.001>
- Cinosi, E., Martinotti, G., Simonato, P., Singh, D., Demetrovics, Z., Roman-urrestarazu, A., ... Corazza, O. (2015). Following (the Roots) of Kratom (*Mitragyna speciosa*): The Evolution of an Enhancer from a Traditional Use to Increase Work and Productivity in Southeast Asia to a Recreational Psychoactive Drug in Western Countries. *BioMed Research International*, 3, 1–11.
- Dewi, D. K., Astra, I. M., & Susanti, D. (2018). *Buku Suplemen Berbasis Android Sebagai Media Pembelajaran Pada Materi Gelombang Elektromagnetik Untuk Peserta Didik Sma*. <Https://Doi.Org/10.21009/03.Snf2018.01.Pe.01>
- E. Adkins, J., W. Boyer, E., & R. McCurdy, C. (2011). *Mitragyna speciosa*, A Psychoactive Tree from Southeast Asia with Opioid Activity. *Current Topics in Medicinal Chemistry*, 11(9). <https://doi.org/10.2174/156802611795371305>
- Elnawawi, F. A., Attala, O. A., & Saleh, S. (2012). Enteropathogens of public health importance in imported frozen meat and chicken. *International Journal of Microbiological Research (IJMR)*, 3(1), 59–63. <https://doi.org/10.5829/idosi.ijmr.2012.3.1.62124>
- Elsa, L., Yuwono, M., & Prawita, A. (2016). Identifikasi Mitragynine dalam Daun Kratom (*Mitragyna speciosa*). *Biosains Pascasarjana*, 18(3), 191–203.
- Emelda, A., Yuliana, D., Maulana, A., Kurniawati, T., Utamil, W. Y., Marwah, ...

- Novianti, L. (2023). GAMBARAN PENGGUNAAN ANTIBIOTIK PADA MASYARAKAT DI PASAR NIAGA DAYA MAKASSAR. *Indonesian Journal of Community Dedication (IJCD)*, 5(1), 13–18.
- Feldsine, P. T., Lienau, A. H., Leung, S. C., & Mui, L. A. (2003). Enumeration of Total Yeasts and Mold in Foods by the SimPlate Yeast and Mold – Color Indicator Methods and Conventional Culture Methods : Collaborative Study. *Journal of AOAC Internasional*, 86(2), 296–313.
- Feldsine, P. T., Lienau, A. H., Leung, S. C., & Mui, L. A. (2008). AOAC Official Method 2005 . 03 Detection and Confirmed Quantitation of Coliforms and E . coli in Foods (Applicable to detection and quantitation of confirmed total coliforms and E . coli in cake mix , chocolate , condiments , dairy foods , egg products ,. *AOAC Internasional*.
- Flores-Bocanegra, L., Raja, H. A., Graf, T. N., Augustinović, M., Wallace, E. D., Hematian, S., ... Oberlies, N. H. (2020). The Chemistry of Kratom [*Mitragyna speciosa*]: Updated Characterization Data and Methods to Elucidate Indole and Oxindole Alkaloids. *Journal of Natural Products*, 83(7). <https://doi.org/10.1021/acs.jnatprod.0c00257>
- Guo, W., Yang, Q., Liu, J., Chen, X., Zhang, Y., & Zhang, W. (2022). Multiple fluorescent saltatory rolling circle amplification (SRCA) for simultaneous and sensitive detection of *Salmonella* spp . and *Shigella* spp . in food. *LWT*, 168, 1–9. Retrieved from <https://doi.org/10.1016/j.lwt.2022.113875>
- Hafsan. (2011). *Mikrobiologi Umum*. Makassar: Alanuddin Universitas Press.
- Haryoto, H., & Frista, A. (2019). Aktivitas Antioksidan Ekstrak Etanol, Fraksi

- Polar, Semipolar dan Non Polar dari Daun Mangrove Kacangan (*Rhizophora apiculata*) dengan Metode DPPH dan FRAP. *J. Sains Kes.* 2019, 2(2).
- Hidayat, N., Meitiniarti, I., & Yuliana, N. (2018). *Mikroorganisme & Pemanfaatannya*. Malang: UB Press.
- Ikhwan, D., Harlia, & Widiyantoro, A. (2018). Karakterisasi Senyawa Sitotoksik Dari Fraksi Etil Asetat Daun Kratom (*Mitragyna speciosa* Korth.) dan Aktivitasnya Terhadap Sel Kanker Payudara T47D. *Jurnal Kimia Khatulistiwa*, 7(2), 18–24.
- Indrawati, A., Kurnia, R. S., Luh, N., Ika, P., Studi, P., Medik, M., ... Barat, J. (2019). Detection of ampC and mcr-1 resistance coding genes in Escherichia coli causing Poultry Colibacillosis in Sukabumi. *Veteriner*, 20(36), 495–503. <https://doi.org/10.19087/jveteriner.2019.20.4.495>
- Kartikasari, A. M., Hamid, I. S., Elziyah, M. T., Damayanti, R., Fikri, F., & Praja, R. N. (2019). Isolasi dan Identifikasi Bakteri Escherichia coli Kontaminan Pada Daging Ayam Broiler Di Rumah Potong Ayam Kabupaten Lamongan. *Jurnal Medik Veteriner*, 2(1), 66–71. <https://doi.org/10.20473/jmv.vol2.iss1.2019.66-71>
- Kumarnsit, E., Keawpradub, N., & Nuankaew, W. (2006). Acute and long-term effects of alkaloid extract of *Mitragyna speciosa* on food and water intake and body weight in rats. *Fitoterapia*, 77(5). <https://doi.org/10.1016/j.fitote.2006.04.006>
- Luliana, S., & Islamy, M. R. (2018). Antinociceptive Activity of the Dichloromethane Fraction of Kratom Leaves (*Mitragyna speciosa* Korth.)

- Oral Route in Swiss Male Mice. *Pharmaceutical Sciences and Research*, 5(2), 58–64. <https://doi.org/10.7454/psr.v5i2.3895>
- Maimunah, S., Harefa, K., Silalahi, Y. C. E., & Manurung, K. (2020). Penetapan angka kapang khamir (akk) pada rempah- rempah yang dijual di pasar sri gunting medan. *FARMANESIA*, 7(1), 11–18.
- Martanda, F. D. (2019). Identifikasi *Salmonella* sp . Dan *Staphylococcus aureus* Serta Hitung Jumlah Total Bakteri pada Margarin. *SainHealth*, 3(2), 17–2.
- Matsumoto, K. et al. (2004). Antinociceptive effect of 7-hydroxymitragynine in mice: Discovery of an orally active opioid analgesic from the Thai medicinal herb *Mitragyna speciosa*. *Life Science*, 74, 2143–2155.
- Ningrum, A. M., Christina, M., Putri, T. R., & Simamora, C. J. K. (2021). Probability Induction of Kratom Plant Bioactive Components in Antidiabetic and Antibesity Studies. *Bioeduscience*, 5(3), 234–240. <https://doi.org/10.22236/j.bes/536900>
- Novindriani, D., Wijianto, B., & Andrie, M. (2013). Uji Efek Sedatif Infusa Daun Kratom (*Mitragyna speciosa*) Pada Mencit Jantan Galur BALB/c. *Jurnal Mahasiswa Fakultan Kedokteran Universitas Tanjungpura*.
- Nugraha, W. I., Robiyanto, R., & Luliana, S. (2018). Antinociceptive Activity of Aqueous Fraction of Kratom Leaves *Mitragyna speciosa* Korth.) on Male Swiss Albino Mice. *Majalah Obat Tradisional*, 23(2). <https://doi.org/10.22146/mot.32085>
- Ohmura-hoshino, M., Miyaki, Y., & Yashima, S. (2022). Heliyon A one-step multiplex PCR-based assay for simultaneous detection and classification of

- virulence factors to identify five diarrheagenic *E. coli* pathotypes, 8(November 2021). <https://doi.org/10.1016/j.heliyon.2022.e10231>
- Parthasarathy, S., Azizi, J. Bin, Ramanathan, S., Ismail, S., Sasidharan, S., Ikram, M., ... Mansor, S. M. (2009). Evaluation of Antioxidant and Antibacterial Activities of Aqueous, Methanolic and Alkaloid Extracts from *Mitragyna Speciosa* (Rubiaceae Family) Leaves. *Molecules*, 14, 3964–3974. <https://doi.org/10.3390/molecules14103964>
- Parthasarathy, S., Ramanathan, S., Murugaiyah, V., Hamdan, M. R., Mohd Said, M. I., Lai, C. S., & Mansor, S. M. (2013). A simple HPLC-DAD method for the detection and quantification of psychotropic mitragynine in *Mitragyna speciosa* (ketum) and its products for the application in forensic investigation. *Forensic Science International*, 226(1–3), 183–187. <https://doi.org/10.1016/j.forsciint.2013.01.014>
- Philipp, A. A., Wissenbach, D. K., Weber, A. A., Zapp, J., & Maurer, H. H. (2011). Metabolism studies of the Kratom alkaloids mitraciliatine and isopaynantheine , diastereomers of the main alkaloids mitragynine and paynantheine , in rat and human urine using liquid chromatography – linear ion trap-mass spectrometry. *Journal of Chromatography B*, 879(15–16), 1049–1055. <https://doi.org/10.1016/j.jchromb.2011.03.005>
- Prabandari, A. S., & Darwati, M. S. (2022). IDENTIFIKASI CEMARAN KAPANG PATOGEN PADA JAMU SERBUK PEGAL LINU YANG BEREDAR DI KOTA SURAKARTA. *Avicenna*, 5(1), 10–18.
- Rahadyan, R. A., Tyasningsih, W., Puspitasari, Y., Permatasari, D. A., & Widjiati,

- W. (2023). Hubungan teknik pemerasan dengan jumlah Escherichia coli pada susu segar dari peternakan sapi perah di KUD Kertajaya , Kabupaten Kediri , Jawa Timur. *Current Biomedicine*, 1(1), 19–24.
- Ramadhan, P. (2015). *Mikrobiologi Industri; Mikroorganisme dan Aplikasinya dalam Industri*. Yogyakarta: Graha Ilmu.
- Reanmongkol, W. Keawpradub, N & sawangjaroen, K. (2007). Effect of the extract from mitragyna speciosa korth. leaves on analgesic and behavioral activities in experimental animals. *Journal Science Technology*, 29, 39–48.
- Ridayani, Y., Andrie, M., & Wijianto, B. (2013). uji efek sedatif fraksi etanol daun kratom (*Mitragyna speciosa* Korth.) pada mencit Jantan Galur BALB/c. *IPI Jurnal Mahasiswa Fakultas Kedokteran UNTAN*, 3.
- Rorong, J. A., & Wilar, W. F. (2020). Keracunan Makanan Oleh Mikroba. *Techno Science Journal*, 2(2), 47–60.
- Sabetghadam, A., Ramanathan, S., & Mansor, S. M. (2010). The evaluation of antinociceptive activity of alkaloid, methanolic, and aqueous extracts of Malaysian *Mitragyna speciosa* Korth leaves in rats. *Pharmacognosy Research*, 2(3). <https://doi.org/10.4103/0974-8490.65514>
- Sartika, D. (2018). *Cemaran Bakteri Patogen pada Pangan; Uji Kualitatif dan Kuantitatif*. Yogyakarta: Graha Ilmu.
- Setyawati, H. (2020). Uji Aktivitas Antioksidan Ekstrak etanol Daun Kratom (*Mitragyna Speciosa*) Dengan Metode 1, 1 Difenil-2-Pikrihidrazil (DPPH). *Jurnal Farmasi Udayana*, 204.
<https://doi.org/10.24843/jfu.2020.v09.i03.p09>

- Shaik Mossadeq, W. M., Sulaiman, M. R., Tengku Mohamad, T. A., Chiong, H. S., Zakaria, Z. A., Jabit, M. L., ... Israf, D. A. (2009). Anti-inflammatory and antinociceptive effects of *Mitragyna speciosa* Korth methanolic extract. *Medical Principles and Practice*, 18(5). <https://doi.org/10.1159/000226292>
- Shamima, A. R., Fakurazi, S., & Hidayat, M. T. (2012). Antinociceptive Action of Isolated Mitragynine from *Mitragyna Speciosa* through Activation of Opioid Receptor System. *International Journal of Molecular Sciences*, 251, 11427–11442. <https://doi.org/10.3390/ijms130911427>
- Singh, D., Brown, P. N., Cinosi, E., Corazza, O., Henningfield, J. E., Garcia-Romeu, A., ... Grundmann, O. (2020). Current and Future Potential Impact of COVID-19 on Kratom (*Mitragyna speciosa* Korth.) Supply and Use. *Frontiers in Psychiatry*, 11. <https://doi.org/10.3389/fpsyg.2020.574483>
- Sri Luliana, R. R. , M. R. I. (2018). Aktivitas Antinosiseptif Fraksi Diklorometana Daun Kratom (*Mitragyna speciosa* Korth.) Rute Oral Pada Mencit Jantan Swiss. *Pharmaceutical Sciences and Research*, 5(2). <https://doi.org/10.7454/psr.v5i2.3895>
- Subandi, H. M. (2014). *Mikrobiologi* (Revisi). Bandung: PT Remaja Rosdakarya.
- Suhaimi, Puspasari, H., & Apriani, M. (2019). Antibacterial Activity of Kratom Leaf Extract (*Mitragyna speciosa* Korth) Against *Propionibacterium acnes* Bacteria as the Cause of Acne. *Medical Sains*, 4(1), 1–6.
- Sutaryana, J. D. (2017). *Uji Cemaran Bakteri Salmonella Sp. Dalam Tahu Putih Yang Diproduksi Pada Industri Rumah Tangga Di Naimata*. Politeknik Kesehatan KEMENKES Kupang. Retrieved from

- http://repository.poltekkeskupang.ac.id/id/eprint/350
- Trisno, K., PG Tonon, K., & Suarjana, I. G. K. (2019). Isolasi dan Identifikasi Bakteri Escherichia Coli dari Udara pada Rumah Potong Unggas Swasta di Kota Denpasar, 8(September), 685–694.
<https://doi.org/10.19087/imv.2019.8.5.685>
- Veltri, C., & Grundmann, O. (2019). <p>Current perspectives on the impact of Kratom use</p>. *Substance Abuse and Rehabilitation, Volume 10*, 23–31.
<https://doi.org/10.2147/sar.s164261>
- Vicknasingam, B., Narayanan, S., Beng, G. T., & Mansor, S. M. (2010). The informal use of ketum (*Mitragyna speciosa*) for opioid withdrawal in the northern states of peninsular Malaysia and implications for drug substitution therapy. *International Journal of Drug Policy*, 21(4).
<https://doi.org/10.1016/j.drugpo.2009.12.003>
- Wahyono, S., Widowati, L., Handayani, L., Sampurno, O. D., Haryanti, S., Fauzi, ... S., M. B. (2019). *Kratom: Prospek Kesehatan dan Sosial Ekonomi*. Jakarta: Publishing Agency for Health Research and Development.
- Warner, M. L., Kaufman, N. C., & Grundmann, O. (2015). The pharmacology and toxicology of kratom: from traditional herb to drug of abuse. *International Journal of Legal Medicine*, 130(1), 127–138. <https://doi.org/10.1007/s00414-015-1279-y>
- Xu, Y., Li, R., Li, K., Yu, J., Bai, J., & Wang, S. (2022). Inactivation of inoculated *Salmonella* and natural microflora on two kinds of edible seeds by radio frequency heating combined with cinnamon oil vapor. *Lwt*, 154, 1–11.

Retrieved from <https://doi.org/10.1016/j.lwt.2021.112603>