

DAFTAR PUSTAKA

- Aboody, MSA & Mickymaray, S 2020, 'Anti-fungal efficacy and mechanisms of flavonoids', *Antibiotics*, vol.9, no.2, Januari 2020, diakses 1 April 2021. doi: 10.3390/antibiotics9020045.
- Aksara, R, Musa, WJA, & Alio, L 2013, 'Identifikasi senyawa alkaloid dari ekstrak metanol kulit batang mangga (*Mangifera indica* L.)', *Jurnal Entropi*, vol.8, no.1, hlm. 514–519, Februari 2013, diakses 2 Maret 2021. <http://ejurnal.ung.ac.id/index.php/JE/article/view/1160>
- Alfiah, RR, Khotimah, S & Turnip, M 2015, 'Efektivitas ekstrak metanol daun sembung rambat (*Mikania micrantha* Kunth) terhadap pertumbuhan jamur *Candida albicans*', *Journal Protobiont*, vol.4, no.1, hlm. 52–57, diakses 23 Juli 2021.
- Anggraini, V & Masfufatun, M 2017, 'Efektivitas kombinasi ekstrak daun sirih merah (*Piper crocatum*) dan ekstrak biji alpukat (*Persea americana*) dalam menghambat pertumbuhan *Candida albicans*', *Jurnal Kimia Riset*, vol.2, no.2, hlm. 86–92, diakses 7 Desember 2020. doi: 10.20473/jkr.v2i2.6196.
- Apriano, ID 2012, 'Gambaran klinis dan laboratorium penderita HIV di RS Adam Malik', *Repository Institusi Universitas Sumatera Utara*, November 2012, hlm. ii, diakses 5 Desember 2020.
- Atmaja, THW, Mudatsir, & Samingan 2017, 'Pengaruh konsentrasi ekstrak etanol buah pala (*Myristica fragrans*) terhadap daya hambat *Staphylococcus aureus*', *Jurnal EduBio Tropika*, vol.5, no.1, April 2017, hlm. 1–53, diakses 16 November 2020. <http://jurnal.unsyiah.ac.id/JET/article/download/7139/5853>
- Badan Pengawas Obat dan Makanan 2019, *Peraturan Badan Pengawas Obat dan Makanan nomor 32 tahun 2019 tentang persyaratan keamanan dan mutu obat tradisional*, Badan Pengawas Obat dan Makanan, Indonesia.
- Baharuddin, NS, Abdullah, H, & Wahab, WNAWA 2015, 'Anti-Candida activity of *Quercus infectoria* gall extracts against *Candida* species', *Journal of Pharmacy and Bioallied Sciences*, vol.7, no.1, Januari-Maret 2015, hlm. 15–20, diakses 30 April 2021. doi : 10.4103/0975-7406.148742.
- Balouiri, M, Sadiki, M, & Ibsouda, SK 2016, 'Methods for in vitro evaluating antimicrobial activity: A review', *Journal of Pharmaceutical Analysis*, vol.6, no.2, hlm. 71–79, diakses 10 Juli 2021. doi: 10.1016/j.jpha.2015.11.005.
- Brooks, GF, Carroll, KC, Butel, JS, Morse, SA, & Mietzner, TA (eds) 2010, *Jawetz, Melnick and Adelberg's medical microbiology: 25th edition*. 25th edn. EGC.
- Brunton, LL, Hilal-Dandan, R. & Knollmann, BC (eds) 2018, *Goodman & Gilman's the pharmacological basis of therapeutics thirteen edition*. 13th edn. McGraw-Hill Education. doi: 10.4324/9780203813034.

- Caceres, NDA, Vieira, MMC, Vieira, IF, Monteleone, VF, Neto, LJM, Bonafe, SM 2015, 'Opportunistic Infections in AIDS Patients', *Archives of Medicine*, vol.7, no.5, diakses 10 Juli 2021. doi: 10.1007/978-1-4020-5614-7_2440.
- Dahlan, MS 2017, *Statistik untuk kedokteran dan kesehatan: deskriptif, bivariat, dan multivariat*,. 6th edn. Epidemiologi Indonesia.
- Damayanti, R, & Ervilita, R 2019, 'Skrining fitokimia ekstrak etanol, etil asetat dan n-heksana batang *Myristica fragrans*', *Talenta Conference Series: Science and Technology (ST)*, vol.2, no.1, hlm. 97–100, diakses 30 Desember 2020. doi: 10.32734/st.v2i1.323.
- Davis, WW & Stout, TR 1971, 'Disc plate method of microbiological antibiotic assay I. factors influencing variability and error', *Applied microbiology*, vol.22, no.4, hlm. 659–665, diakses 23 Juli 2021. doi: 10.1128/aem.22.4.666-670.1971.
- Detiasari, F 2015, 'Uji aktivitas antifungal ekstrak biji pala (*Myristica fragrans* Houtt) terhadap *Candida albicans*', Universitas Syiah Kuala, Maret 2015, diakses 16 November 2020. <https://etd.unsyiah.ac.id/baca/index.php?id=13312&page=1>.
- Dewi, FH 2010, Aktivitas Antibakteri Ekstrak Etanol Buah Mengkudu terhadap Bakteri Pembusuk Daging. Universitas Sebelas Maret, diakses 22 Juli 2021.
- European Centre for Disease Prevention and Control 2020, '*HIV/AIDS surveillance in Europe 2020 : 2019 data*'. doi: doi 10.2900/073965.
- Ernawati 2011, Pengaruh ekstrak rimpang lengkuas (*Languas galanga*) terhadap pertumbuhan bakteri (*Staphylococcus aureus* dan *Escherichia coli*) dan jamur *Candida albicans*. Universitas Islam Negeri Alauddin Makassar, diakses 22 Juli 2021.
- Evizal, R 2013, *Tanaman rempah dan Fitofarmaka*. Bandar Lampung: Lembaga Penelitian Universitas Lampung.
- Farha, AK, Yang, QQ, Kim, G, Li, HB, Zhu, F, Liu, HY, *et al* 2020, 'Tannins as an alternative to antibiotics', *Food Bioscience* 38, vol. 536, Agustus 2020, hlm. 207-217, diakses 30 April 2021. doi: 10.1016/j.fbio.2020.100751.
- Farrar, J, White, NJ, Hotez, PJ, Junghanss, T, Lalloo, D, & Kang, G (eds) 2014, *Manson's tropical infectious diseases*. 23rd edn. Elsevier Ltd. doi: <https://doi.org/10.1016/C2010-0-66223-7>.
- Garcia-Rubio, R, Oliveira, HCD, Rivera, J, & Contador, NT 2020, 'The fungal cell wall: *Candida*, *Cryptococcus*, and *Aspergillus* species', *Frontiers in Microbiology*, vol.10, Januari 2020, hlm. 1–13, diakses 5 Mei 2021. doi: 10.3389/fmicb.2019.02993.
- Goldsmith, LA, Katz, SI, Gilchrest, BA, Palmer, AS, Leffell, DJ, & Wolff, K (eds) 2012, *Fitzpatrick's dermatology in general medicine*. 8th edn. McGraw Hill.
- Gow, NAR & Hube, B 2012, 'Importance of the *Candida albicans* cell wall during

- commensalism and infection’, *Current Opinion in Microbiology*, vol.15, no.4, Mei 2012, hlm. 406–412, diakses 5 Mei 2021. doi: 10.1016/j.mib.2012.04.005.
- Guimarães, LL, Toledo, MS, Ferreira, FA, Straus, AH, & Takashi, HK 2014, ‘Structural diversity and biological significance of glycosphingolipids in pathogenic and opportunistic fungi’, *Frontiers in Cellular and Infection Microbiology*, vol.4, no.138, September 2014, hlm. 1–8, diakses 8 Mei 2021. doi: 10.3389/fcimb.2014.00138.
- Gupta, AD & Rajpurohit, D 2011, *Nuts and seeds in health and disease prevention, Antioxidant and Antimicrobial Activity of Nutmeg (Myristica fragrans)*. Edited by V. R. Preedy, R. R. Watson, and V. B. Patel. Academic Press. diakses 15 November 2020. doi: 10.1016/B978-0-12-375688-6.10098-2.
- Hakim, L 2015, *Rempah & herba kebun-pekarangan rumah masyarakat: keragaman, sumber fitofarmaka dan wisata kesehatan-kebugaran*. Yogyakarta: Diandra Pustaka Indonesia.
- Integrated Taxonomy Information System 2021, *Taxonomic Hierarchy of Myristica fragrans houtt*, diakses 10 Juli 2021. doi: <https://doi.org/10.5066/F7KH0KBK>.
- Integrated Taxonomy Information System 2021, *Taxonomy Hierarchy of Candida albicans (Robin) Berkhout*, diakses 10 Juli 2021. doi: <https://doi.org/10.5066/F7KH0KBK>.
- Jin, YS 2019, ‘Recent advances in natural antifungal flavonoids and their derivatives’, *Bioorganic and Medicinal Chemistry Letters*, vol.29, no.19, diakses 25 April 2021. doi: 10.1016/j.bmcl.2019.07.048.
- Katzung, BG, Masters, SB, & Trevor, AJ (eds) 2012, *Basic & clinical pharmacology 12th edition*. 12th edn. McGraw Hill Medical.
- Kumar, A & Jha, A 2017, *Anticandidal agents*. Edited by A. J. Awanish Kumar. Academic Press. doi: 10.1016/b978-0-12-811311-0.00003-x.
- Levinson, W 2016, *Review of medical microbiology and immunology*. 14th edn. McGraw Hill Education.
- Lewis, JS & Graybill, JR 2008, ‘Fungicidal versus fungistatic: what’s in a word?’, *Informa Healthcare*, vol.9, no.6, hlm. 927–935, diakses 24 Juli 2021. doi: 10.1517/14656566.9.6.927.
- Löffler, J, Einsele, H, Hebart, H, Schumacher, U, Hrastnik, C, & Daum, G 2000 ‘Phospholipid and sterol analysis of plasma membranes of azole-resistant *Candida albicans* strains’, *FEMS Microbiology Letters*, vol.185, no.1, hlm. 59–63, diakses 29 April 2021. doi: 10.1016/S0378-1097(00)00071-9.
- Marchaim, D, Lemanek, L, Bheemreddy, S, Kaye, KS, & Sobel, JD 2012, ‘Fluconazole-resistant *Candida albicans* vulvovaginitis’, *The American College of Obstetricians and Gynecologists*, vol.120, no.6, Desember

- 2016,hlm. 1407–1414, diakses 22 November 2020.
<http://10.1097/AOG.0b013e31827307b2>
- Menaldi, SLSW, Bramono, K, & Indriatmi, W (eds) 2016, *Ilmu penyakit kulit dan kelamin*. 7th edn. Jakarta: Fakultas Kedokteran Universitas Indonesia.
- Murray, PR, Rosenthal, KS, & Pfaller, MA 2016, *Murray medical microbiology eight edition*, Elsevier.
- Orczyk, M, Wojciechowski, K, & Brezesinski, G 2020, ‘The influence of steroidal and triterpenoid saponins on monolayer models of the outer leaflets of human erythrocytes, E. coli and S. cerevisiae cell membranes’, *Journal of Colloid and Interface Science*, vol.563, hlm. 207–217, diakses 5 Mei 2021. doi: 10.1016/j.jcis.2019.12.014.
- Panche, AN, Diwan, AD, & Chandra, SR 2016, ‘Flavonoids: An overview’, *Journal of Nutritional Science*, vol.5, no.47, hlm. 1-15, diakses 5 Mei 2021. doi: 10.1017/jns.2016.41.
- Pappas, PG, Kauffman, CA, Andes, DR, Clancy, CJ, Marr, KA, Zeichner, LO, *et al* 2016, ‘Clinical practice guideline for the management of candidiasis: 2016 update by the Infectious Diseases Society of America’, *Clinical Infectious Diseases*, vol.62, no.4, 15 Februari 2016, hlm. e1–e50, diakses 22 November 2020. doi: 10.1093/cid/civ933.
- Pelczhar, M & Chan, ECS 2006, *Dasar - dasar mikrobiologi*. Jakarta : UI Press.
- Prasad, R, Nair, R, & Banerjee, A 2019, ‘Multidrug transporters of Candida species in clinical azole resistance’, *Fungal Genetics and Biology*, vol.132, Juni, diakses 29 April 2021. doi: 10.1016/j.fgb.2019.103252.
- Puspitasari, D 2014, 'Pengaruh ekstrak cinnamon (*Cinnamomum burmanii*) dalam menghambat pertumbuhan *Candida albicans*'. Universitas Trisakti.
- Rakatama, AS 2017, Uji efektivitas daya hambat ekstrak etanol biji kopi arabika (*Coffea arabica*) terhadap pertumbuhan isolat *Candida albicans* secara invitro dengan metode difusi cakram. Universitas Pembangunan Nasional ‘Veteran’ Jakarta.
- Reiss, E, Shadomy, HJ, & Lyon, GM 2012, *Fundamental medical mycology*, New Jersey: A John Wiley & Sons, Inc., Publication. doi: 10.1002/9781118101773.
- Riedel, S, Hobden, JA, Miller, S, Morse, SA, Mietzner, TA, Detrick, B, *et al* 2019, *Jawetz, Melnick and Adelberg’s medical microbiology: 28th edition*. McGraw.
- Rodrigues, ML 2018, ‘The multifunctional fungal ergosterol’, *American Society For Microbiology*, vol.9, no.5, hlm. 1–5, September-Oktober 2018, diakses 1 Mei 2021. doi: <https://doi.org/10.1128/mBio.01755-18>.
- Ruiz-Herrera, J, Elorza, MV, Valentin, E, & Sentandreu, R 2006, ‘Molecular organization of the cell wall of *Candida albicans* and its relation to

- pathogenicity', *FEMS Yeast Research*, vol.6, no.1, hlm. 14–29, Desember 2005, diakses 1 Mei 2021. doi: 10.1111/j.1567-1364.2005.00017.x.
- Sant, DG, Tupe, SG, Ramana, CV, & Deshpande, MV 2016, 'Fungal cell membrane—promising drug target for antifungal therapy', *Journal of Applied Microbiology*, vol.121, no.6, hlm. 1498–1510, diakses 2 Mei 2021. doi: 10.1111/jam.13301.
- Sari, L, Lesmana, D & Taharuddin 2018, 'Estraksi minyak atsiri dari daging buah pala (tinjauan pengaruh metode destilasi dan kadar air bahan)', *Seminar Nasional Sains dan Teknologi 2018*, pp. 1–6.
- Sastry, AS, & Bhat, S 2016, *Essentials of medical microbiology*. 1st edn, *Encephale*. Edited by Anand Janagond. New Delhi: Jatpee Brothers Medical Publishers. Available at: <http://dx.doi.org/10.1016/j.encep.2012.03.001>.
- Sen, A & Batra, A 2012, 'Evaluation of antimicrobial activity of different solvent extracts of medicinal plant: *Melia azedarach L*', *International Journal of current Pharmaceutical Research*, vol.4, no.2, hlm. 67–73, diakses 23 Juli 2021.
- Septiadi, T, Pringgenies, D & Radjasa, OK 2013, 'Uji fitokimia dan aktivitas antijamur ekstrak teripang keling (*Holothuria atra*) dari pantai Bandengan Jepara terhadap jamur *Candida albicans*', *Diponegoro Journal of Marine Research*, vol.2, no.2, hlm. 76–84, diakses 21 Juli 2021. doi: 10.14710/jmr.v2i2.2355.
- Sianipar, RH, & Siahaan, MA 2017, 'Pemeriksaan senyawa alkaloid pada beberapa tanaman familia Solanaceae serta identifikasinya dengan kromatografi lapis tipis (KLT)', *Jurnal Farmanesia*, hlm. 1–11, diakses 12 Mei 2021.
- Silvia, D 2018, 'Uji aktivitas antifungi ekstrak kulit buah jeruk nipis (*Citrus aurantifolia*) terhadap jamur *Candida albicans*'. Universitas Islam Negeri Sunan Ampel Surabaya.
- Sipahelut, SG 2015, 'Identifikasi senyawa antijamur dari minyak daging buah pala dan aktivitasnya terhadap *Fusarium moniliforme*', *Jurnal Argoforestri*, vol.10, no.2, hlm. 1–4, Juni 2015, diakses 15 Agustus 2020.
- Sipahelut, SG, & Telussa, I, 2011 'Karakteristik Minyak Atsiri Dari Daging Buah Pala Melalui Beberapa Teknologi Proses', *Jurnal Teknologi Hasil Pertanian*, vol.4, no.2, hlm. 126–134, Agustus 2011, diakses 10 Desember 2020. doi: <https://doi.org/10.20961/jthp.v0i0.13582>.
- Sutanto, I, Ismid, IS, Sjarifuddin, PK, & Sungkar, S (eds) 2015, *Buku ajar parasitologi kedokteran edisi keempat*. 4th edn. Jakarta: Badan Penerbit Fakultas Kedokteran Universitas Indonesia.
- Tetti, M, 2014, "Ekstraksi, pemisahan senyawa, dan identifikasi senyawa aktif", *Jurnal of Pharmacy*, vol.V. <https://doi.org/10.24252/kesehatan.v7i2.55>.
- Tortora, GJ, Funke, BR, & Case, CL 2013, *Microbiology: An introduction eleventh edition*. Pearson.

- Tuasikal, M, 2016, 'Daya hambat infusa daging buah pala (*Myristica fragrans* Houtt) terhadap pertumbuhan *Candida albicans* penyebab sariawan', *Repository Unismus*, hlm. 1–81, Desember. Available at: <http://lib.unimus.ac.id>.
- Tuong, W, Walker, L, & Sivamani, RK 2015, 'Novel use of terpenoids for treatment of dermatologic diseases: A systematic review of clinical trials', *Journal of Alternative and Complementary Medicine*, vol.21, no.5, hlm. 261–268, diakses 5 Mei 2021. doi: 10.1089/acm.2014.0273.
- Widasmara, D, Suyoso, S, & Murtiastutik, D 2014, 'Profil spesies *Candida* dari kandidiasis vulvovaginalis pada pasien HIV / AIDS yang mendapat antibiotik sistemik', *BIKK- Berkala Ilmu Kesehatan Kulit dan Kelamin- Periodical of Dermatology and Venereology*, vol.26, no.3, hlm. 202–206, Desember 2016, diakses 22 November 2020. <https://e-journal.unair.ac.id/BIKK/article/download/1539/1188>
- Wong-Deyrup, SW, Xun, S, Tsz, WN, Xiu, BL, Jian, GZ, Zhi, XQ, *et al* 2021, 'Plant-derived isoquinoline alkaloids that target ergosterol biosynthesis discovered by using a novel antifungal screening tool', *Biomedicine and Pharmacotherapy*, vol.137, Februari 2021, diakses 1 April 2021. doi: 10.1016/j.biopha.2021.111348.
- Yanti, N, Samingan, & Mudatsir 2016, 'Uji aktivitas antifungi ekstrak etanol gal manjakani (*Quercus infectoria*) terhadap *Candida albicans*', *Jurnal Ilmiah Mahasiswa Pendidikan Biologi*, vol.1, no.1, hlm. 1–9, Agustus 2016, diakses 7 Desember 2020. <http://jim.unsyiah.ac.id/pendidikan-biologi/article/view/361>
- Zore, GB, Thakre, AD, Jadhav, S, & Karuppayil, SM 2011 'Terpenoids inhibit *Candida albicans* growth by affecting membrane integrity and arrest of cell cycle', *Phytomedicine*, vol.18, no.13, hlm.1181–1190, diakses 15 April 2021. doi: 10.1016/j.phymed.2011.03.008.