

DAFTAR PUSTAKA

- Abakar, H., Bakhiet, S., & Abadi, R. (2017). Antimicrobial activity and minimum inhibitory concentration of *Aloe vera* sap and leaves using different extracts. *Journal of Pharmacognosy and Phytochemistry*, 6(3):298-303.
- Abdulhamid, A., Fakai, I.M., Sani, I., Argungu, A.U. & Bello, F. (2014). Preliminary phytochemical and antibacterial activity of ethanolic and aqueous stem bark extracts of *Psidium guajava*. *Am. J. Drug Discovery Dev*, 4: 85-89
- Agbafor, K.N., Akubugwo, E.I., Ogbashi, M.E., Ajah, P.M. & Ukwandu, C.C. (2011). Chemical and antimicrobial properties of leaf extracts of *Zapoteca portoricensis*. *Res. J. Med. Plant*, 5: 605-612.
- Ali, M.A., Lafta, A.H., & Jabar, S.K. (2014). Antibacterial activity of alkaloidal compound isolated from leaves of *Catharanthus roseus* (L.) against multi-drug resistant strains. *Research in Pharmaceutical Biotechnology*. 5(2): 13-21.
- Amin, L.Z. (2014). Pemilihan Antibiotik yang Rasional. *Medicinus*, 27(3): 40-45.
- Andino, A., & Hanning, I. (2015). *Salmonella enterica*: Survival, Colonization, and Virulence Differences among Serovars. *The Scientific World Journal*. 1 – 16.
- Arokiyaraj, S., SriPriya, N., Bhagya, R., Radhika, B., Prameela, L., & Udayaprakash, N.K. (2012). Phytochemical screening, antibacterial and free radical scavenging effects of *Artemisia nilagirica*, *Mimosa pudica* and *Clerodendrum siphonanthus* - An in-vitro study. *Asian Pacific Journal of Tropical Biomedicine*, S601-S604.
- Astira, D.Y., Nainggolan, B., Silaban, S., & Simorangkir, M. (2018). Analisis Fitokimia Metabolit Sekunder Ekstrak Daun Sarang Banua (*Clerodendrum fragrans*). Skripsi. Jurusan Kimia, FMIPA UNIMED. (Unpublish)
- Bintang, M. (1993). *Studi antimikroba dari Streptococcus lactis BCC2259*. Disertasi. Institut Teknologi Bandung, Bandung.
- Burton, G.E., & Engelkirk, P.G. (2004). *Microbiology for the Health Sciences*. USA: Lippincott Williams and Wilkins.
- Carnel., & Richard J.P. (1998). *Natural Product Isolation*. New Jersey: Humana Press Totawa.
- Capriotti, K., Joseph, A., Capriotti, M.D. (2012). Dimethyl Sulfoxide History, Chemistry, and Clinical Utility in Dermatology. *Clinical Aesthetic*, 5(2): 24 – 26.
- Catalogue McFarland Standard. *Dalynn Biologicals* No. TM50 – TM60.

- Choi, J - H., Wang H - K., & Kim, H - J. (2004). Studies on the anti - inflammatory effects of *Clerodendrum trichotomum* Thunberg leaves. *Archives of Pharmacological Research*, 27:189-193.
- CLSI - Clinical and Laboratory Standards Institute. (2006). Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically – M7-A7, Seventh Approved Standard. Wayne, Pennsylvania. USA. 296 pp.
- CLSI – Clinical and Laboratory Standards Institute (2016). Performance standards for antimicrobial susceptibility testing – M100-S26. Twenty-six informational supplement. Wayne, Pennsylvania, USA. 296 pp.
- Cowan, M.M. (1999). Plant Products as Antimicrobial Agents *Clinical Microbiology Reviews*, 12(4): 564–582
- Crump, J.A., Luby, S.P., Mintz, E.D. (2004). The global burden of typhoid fever. *Bull World Health Organ* 5: 346-353.
- Cushnie, T.P., & Lamb, A.J. (2005). Antimicrobial activity of flavonoids, *International Journal of Antimicrobial Agents*, 26: 343–356.
- Darsana, I.G.O., Besung, I.N.K., & Hapsari, M. (2012). Potensi daun binahong (*Anredera cordifolia* (Tenore) steenis) dalam menghambat pertumbuhan bakteri *Escherichia coli* secara in vitro. *Jurnal Indonesia Medicus Veterinus*, 1:337-351.
- Davis, W.W., & Stout, T.T. (1971). Disc Plate Method of Microbiological Antibiotic Assay. *Microbiology*, 22:659-665.
- Departemen Kesehatan. (1988). *Inventaris Obat Indonesia Jilid I*. Badan Penelitian dan Pengembangan Kesehatan. Departemen Kesehatan Republik Indonesia. Jakarta.
- Effa, E.E., Lassi, Z.S., Critchley, J.A., Garner, P., Sinclair, D., Olliaro, P.L., & Bhutta, Z.A. (2011). Fluoroquinolones for treating typhoid and paratyphoid fever (enteric fever). *Cochrane Database Syst Rev* 10: CD004530.
- Febrina, L., Riris, I.D., & Silaban, S. (2017). Uji aktivitas antibakteri terhadap *Escherichia coli* dan antioksidan dari ekstrak air tumbuhan binara (*Artemisia vulgaris* L.). *Jurnal Pendidikan Kimia*, 9(2):311-317.
- Geo, F.B., Janet, S.B., & Stephen, A.M. (2005). *Mikrobiologi Kedokteran*. Jakarta: Salemba Medika.
- Handa, S.S., Khanduja, S.P.S., Longo, G., & Rakesh, D.D. (2008). *Extraction Technologies for Medicinal and Aromatic Plants*. Italy: United Nations Industrial Development Organization and the International Centre for Science and High Technology
- Haraga, A, Ohlson, M.B., & Miller, S.I. (2008). Salmonellae interplay with host cells. *Nat Rev Microbiol*, 6(1):53-66.
- Harborne, J.B. (1998). *Phytochemical methods: a guide to modern techniques of plant analysis*. 3rd edition. Chapman & Hall. London, UK, 302.

- Harley, R.M., Atkins, S., & Budantsev, A.L. (2004). *The Family and Genera of Vascular Plants. vol. VII*. Berlin: Heidelberg, Germany: Springer - Verlag;. p167-275.
- Hernani & Rahmawati N., (2009). *Aspek Pengeringan dalam Mempertahankan Kandungan Metabolit Sekunder pada Tanaman Obat*, Perkembangan Teknologi TRO, 2 (2): 33-39.
- Hsiao, J.Y., & Lin M.L. (1995). A Chemotaxonomic study of essential oils from the leaves of genus *Clerodendrum* (Verbenaceae) native to Taiwan. *Botany Bulletin Academia Sinica*, 136:247-251.
- Indrayanto, (2006). *Prospek Kimia Bahan Alam untuk Penemuan Obat Baru*, Seminar Umum Pendidikan Program Studi, Universitas Mulawarman.
- Jager, A.K., & Staden, J.V. (2000). *Salvia in Southern Africa*. In: Kintzio SE, Editor, *Sage: The Genus Salvia*. Netherlands: Harwood Academic Publishers. p. 47-53.
- Kanchanapoom, T., Chumsri, P., Kasaia, R., Otsuka, H., & Yamasaki, K. (2005). A new iridoid diglycoside from *Clerodendrum chinense*. *Journal of Asian Natural Products Research*, 7:269-272.
- Kaur, J., and Jain, S. K. (2012). Role of antigens and virulence factors of *Salmonella enterica serovar typhi* in its pathogenesis. *Microbiological Research*, 167:199-210.
- Mabberley, D.J. (2008). *Mabberley's Plant - book. 3rd ed*. Cambridge: University Press.
- Martinez, G., Delgado, R., Perez, G., Garrido, G., Nunez - Selles, A., & Leon, O.S. (2000). Evaluation of the in vitro antioxidant activity of *Mangifera indica* L. extract (Vimang). *Phytother Res*, 14:424-427.
- Martin, K.W., & Ernst, E. (2003). Herbal medicines for treatment of bacterial infections: a review of controlled clinical trials. *J Antimicrob Chemother*, 51:241-246.
- McLain, S.E., Soper, A.K., & Luzar, A. (2007). Investigations on the structure of dimethyl sulfoxide and acetone in aqueous solution. *The Journal of Chemical Physics*, 127, 174515.
- Misnadiarly, & Djajaningrat. (2014). *Mikrobiologi untuk Klinik dan Laboratorium*. Jakarta: Rineka Cipta.
- Moat, A.G., Foster, J.W., Spector, M.P. (2002). *Microbial Physiology Fourth Edition*. New York: Wiley-Liss.
- Monte, J., Abreu, A.C., Borges, A., Simoes, L.C., & Siomes, M. (2014). Antimicrobial Activity of Selected Phytochemicals against *Escherichia coli* and *Staphylococcus aureus* and Their Biofilms. *Pathogens*. 3: 473 – 498.
- Nelwan, R.H. (2010). *Pemakaian Antimikroba Secara Rasional Di Klinik*. Jakarta : Interna Publishing. Cetakan kedua:2896-2900.

- Pal, A., Mahmud, Z.A., Akter, N., Islam, S., & Sites, B. (2012). Evaluation of Antinociceptive, Antidiarrheal and Antimicrobial Activities of Leaf Extracts of *Clerodendrum indicum*. *Pharmacognosy journal*, **4**(30): 41-46.]
- Pandey, A., Tripathi, S. (2014). Concept of standardization, extraction and phytochemical screening strategies for herbal drug. *Journal of Pharmacognosy and Phytochemistry*, **2**(5):115-119.
- Panthong, D., Kanjanapothi, T., Taesotikul, T., & Wongcomca, V. (2003). Anti-inflammatory and antipyretic properties of *Clerodendrum petasites* S. Moorea. *Journal of Ethnopharmacology*, **85**:151-156.
- Parry, C.M., Hien, T.T., Dougan, G., White, N.J., Farrar, J.J. (2002). Typhoid fever. *N Engl J Med*, **22**: 1770-1782.
- Pui, C.F., Wong, W.C., Chai, L.C., R. Tunung., P. Jayeetchumi., M.S. Noor Hidayah., A. Ubong., M.G. Farinazleen., Y.K. Cheah., & R. Son. (2011). Review article Salmonella: A foodborne pathogen. *International Food Research Journal*, **18**:465-473.
- Qamar, F. N., Azmatullah, A., Kazi, A. M., Khan, E., & Zaidi, A. K. M. (2014). A three-year review of antimicrobial resistance of *Salmonella enterica* serovars Typhi and Paratyphi A in Pakistan. *The Journal of Infection in Developing Countries*, **8**:981-986.
- Rates, S.M. (2001). Plants as a source of drugs. *Toxicon*, **39**:603-613.
- Rathi, B.S., Bodhankar, S.L., & Baheti, A.M. (2006). Evaluation of aqueous leaves extract of *Moringa oleifera* Linn for wound healing in albino rats. *Indian J Exp Biol*, **44**:898-901.
- Rosyidah, K., Nurmuhaimina., Komari., & M.D.Astuti. (2010). Aktivitas Antibakteri Fraksi Saponin dari Kulit Batang Tumbuhan Kasturi. *Mangifera casturi Bioscientiae*, **7** (2): 25-31.
- Rueda, R.M. (1993). The genus *Clerodendrum* (Verbenaceae) in Mesoamerica. *Annals of the Missouri Botanical Garden*, **80**:870-890.
- Savoia, D. (2012). Plant-derived antimicrobial compounds: alternatives to antibiotics. *Future Microbiology*, **7**(8): 979-990.
- Shrivastava, N., & Patel, T. (2007). *Clerodendrum* and Heatcare: An Overview. *Medicinal and Aromatic Plant Science and Biotechnology*, **1**(1):142-150.
- Shukla, P., Bansode, P.W., & Singh, R.K. (2011). Chloramphenicol Toxicity: A Review. *Journal of Medicine and Medical Sciences*, **2**(13): 1313-1316.
- Simorangkir, M., Sitepu, M., & Simanjuntak, P. (2013). Aktivitas Antibakteri Ekstrak Daun Sarang banua (*Solanum Blumei* Nees Ex Blume) Terhadap *Salmonella typhimuriu*. *Prosiding SNYuBe*, 382-389.
- Singh, M., McKenzie, K., & Ma, X. (2017). Effect of dimethyl sulfoxide on *in vitro* proliferation of skin fibroblast cells. *Journal of Biotech Research*. **8**: 78-82.

- Su Pai-Wei., Yang, C.H., Yang, J.F., Su Pei-Yu., & Chuang, L.Y. (2015). Antibacterial Activities and Antibacterial Mechanism of *Polygonum cuspidatum* Extracts against Nosocomial Drug – Resistant Pathogens. *Molecules*. **20**: 11119 – 11130.
- Swanson, S.J., Snider, C., Braden, C., Boxrud, D., Wunschmann, A., Rudroff, J.A., Lockett, J., & Smith, K.E. (2007). Multidrug – Resistant *Salmonella enterica* Serotype Typhimurium Associated with Pet Rodents. *The New England Journal of Medicine*. **356**:1.
- Talaro, K.P. (2005). *Foundation in Microbiology Basic Principles*, fifth Edition. USA: Mc Graw Hill Higher Education.
- Thavaranjit, A.C. (2016). In vitro antibacterial activity and phytochemical screening of *Strychnos potatorum* seed extract. *Der Pharma Chemica*, **8**:218-221.
- Tuin, A., Van der Vlag, A., Van Loenen-Weemaes, A - M., Meljer, D.K., & Poelstra K. (2005). On the role and fate of LPS - dephosphorylating activity in the rat liver. *American Journal of Physiology Gastrointestinal and Liver*, **290**:G377-G385.
- Venkatanarasimman, B., Rajeswari, T., & Padmapriya, B. (2012). Antibacterial Potential of Crude Leaf Extract of *Clerodendrum philippinum* Schauer. *International Journal of Pharmaceutical & Biological Archives*, **3**(2):307-310
- Wang, J.H, Luan, F., He, X - D., Wang, Y., & Li, X - M. (2018). Traditional uses and pharmacological properties of *Clerodendrum* phytochemicals. *Journal of Traditional and Complementary Medicine*, **8**:24-38.
- Wahyono, H. (2007). *Peran Mikrobiologi Klinik Pada Penanganan Penyakit Infeksi*. Makalah Pidato Pengukuhan Guru Besar Dalam Ilmu Mikrobiologi Fakultas Kedokteran Universitas Diponegoro.
- Wink, M. (2010). *Biochemistry of Plant Secondary Metabolism*. India: New Delhi.
- Yuan, Y.W., Mabberley, D.J., & Steane, D.A. (2010). Olmstead RG. Further disintegration and redefinition of *Clerodendrum* (Lamiaceae): implications for the understanding of the evolution of an intriguing breeding strategy. *Taxon*, **59**:125-133.
- Yunikawati, M.P.A., Besung, I.N.K. & Hapsari, M. (2013). Efektifitas perasan daun srikaya terhadap daya hambat pertumbuhan *Escherichia coli*. *Jurnal Indonesia-Medicus Veterinus*, **2**:170-179.