

DAFTAR PUSTAKA

- Abuhammour, Walid., 2002, *Shigella Infection*, www. [Emedicine.com](http://www.Emedicine.com)
- Aiyelaagbe O.O., Adeniyi B.A., Fatunsin O.F., Arimah B.D., (2007), *In vitro* Antimicrobial activity and photochemical analysis of *Jatropha curcas* roots, *International. J. Pharmacol.* 3(1): 106-110.
- Akinpelu D.A., Kolawole D.O., (2004), Phytochemical and antimicrobial activity of leaf extract of *Piliostigma thonningii* (Schum), *Sci, Focus J.* 7: 64-70.
- Ashutoh, K., 2008, *Pharmaceutical Microbiology*, New Age International (Ltd: New Delhi.
- Atmoko, T. dan A. Ma'ruf., 2009, Uji Toksisitas dan Skrining Fitokimia Ekstrak Tumbuhan Sumber Pakan Orangutan Terhadap Larva *Artemia Salina* L, *Jurnal Penelitian dan Konservasi Alam.* 6(1): 37-45
- Baraja, M., 2008, Uji Toksisitas Ekstrak Daun *Ficus elastic* Nois ex Blume terhadap *Artemia salina* Leach dan Profil Kromatografi Lapis Tipis, *Skripsi*, Fakultas Farmasi Universitas Muhammadiyah Surakarta: Surakarta.
- Brooks, Geo F; Butel, Janet S; Morse, Stephen A., 2008, *Mikrobiologi Kedokteran* Jawetz, Melnick, & Adelberg, EGC, Jakarta.
- Brooks G. F., Janet, S., Butel., Stephen, A. M., 2007. *Mikrobiologi Kedokteran* : Jawetz, Melnick, and Adelberg. Edisi 23. Alih Bahasa oleh Mudihardi, E., *et al.* Jakarta : Penerbit Buku Kedokteran EGC.
- Castellani, A., Chalmers, A.J. (1919). *Manual of Tropical Medicine*, 3rd ed. Williams, Wood and Co., New York. P.937.
- CDC., (2015), Shigellosis, Retrieved Thursday, April 2, 2015 from <http://www.cdc.gov/media/releases/2015/p0402-multidrug-resistant-shigellosis.html>
- Crim SM, Iwamoto M, Huang JY, Griffin PM, Gilliss D, Cronquist AB, Cartter M, Tobin-D'Angelo M, Blythe D, Smith K, Lathrop S, Zansky S, Cieslak PR, Dunn J, Holt KG, Lance S, Tauxe R, Henao OL. Incidence and trends of infection with pathogens transmitted commonly through food-- Foodborne Diseases Active Surveillance Network, 10 U.S. sites, 2006-2013. *MMWR Morb Mortal Wkly Rep.* 2014;63(15):328-32.
- Darwis, D., 2000, *Teknik Dasar Laboratorium Dalam Penelitian Senyawa Bahan Alam Hayati*, Workshop Pengembangan Sumber Daya Manusia Dalam Bidang Kimia Organik Bahan Alam Hayati FMIP A Universitas Andalas. Padang
- Depkes RI., (2000), *Parameter Standar Umum Ekstrak Tumbuhan Obat*, Cetakan Pertama. Jakarta : Depkes RI.
- Ditjen POM., (2000), *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Cetakan Pertama. Jakarta: Departemen Kesehatan RI. Halaman 3-5, 10-11.
- Dzen, Sjoekoer M., 2003, *Bakteriologi Medik*, Ed. 1, Malang, Bayumedia Publishing, p 187-197 & 223-234.

- Edmundson SA, Edmundson WC. Diarrhoea in India and Indonesia. Didapat dari:
URL: <http://www.midcoast.com.au/edmundsons/c8>
- Effendy., 2007, *Kimia Koordinasi* Jilid I, Malang: Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Malang (UNM).
- Gomez H.F., Cleary T.G. *Shigella*. Dalam: Behrman RE, Kliegman RM, Jenson HB, penyunting. Nelson Text-book of pediatrics. Edisi ke-16. Pjiladelphia: WB Saunders; 2001. h. 848-50
- Greenwood, D., Finch, R., Davey, P., Wilcox, M. 2003. *Antibiotics sensitivity test, in antimicrobial and chemotherapy*. 5th revisi edition Oxford University Press. Page 99- 108
- Guerrant R.L., Lima A.A.M. *Inflammatory Enteritidies*. Dalam: Mandel GL Bennet JE, Dolin R, penyunting. Principles and Practice Of Infectious Diseases. Bagian Pertama. Edisi ke-5. New york: Churchill Livingstone; 2000. H. 1126-31
- Hale, T.L., Keusch, G.T. 1996. *Shigella: Structure, Classification, and Antigenic Types*. In Baron, Samuel. *Medical microbiology* (4 ed.). Galveston, Texas: University of Texas Medical Branch.
- Harborne, J.B. (1987). *Metode Fitokimia : Penuntun Cara Modern Menganalisis Tumbuhan*. Penerbit ITB Bandung. Bandung
- Hasan, N.A; Nawahwi, M.Z; Malek, H.A; 2013, Antimicrobial Activity of *Nigella sativa* Seed Extract, *Sains Malaysiana* 42(2):143–7.
- Hasibuan, Siti Aminah. 2016. Perbandingan Daya Hambat Ekstrak Daun *J. curcas* (*Jatropha curcas* Linn) Terhadap Pertumbuhan Bakteri *Staphylococcus Aureus* Dan *Escherichia Coli* Secara In Vitro, *Skripsi*, Fakultas Kedokteran Universitas Lampung.
- Henning, K., 1997, Fuel production improves food production: the jatropha project in Mali. Di dalam: Gubitz, G.M., Mittelbach, M., Trabi, M., editor. *Biofuels and Industrial Products from Jatropha curcas*. pp: 92-97. DBV Graz.
- Herwana, E; Indriani, N; Lesmana, M; Paul, B; Salim, O.C; Surjawidjaja, J.E; 2010, *Shigella*-Associated Diarrhea in Children in South Jakarta, Indonesia, *Southeast Asian J Trop Med Public Health*, 2 (41): 418-25.
- Houghton, P.J. dan Raman, A. 1998. *Laboratory Handbook for The Fractionation of Natural Extracts*. London : Thomson Science.
- Igbinosa, O.O., E.O. Igbinosa dan O.A. Aiyegoro. 2009. Antimicrobial activity and phytochemical screening of stem bark extracts from *Jatropha curcas* (Linn). *African J Pharmacy Pharmacol* 3(2) : 058-062.
- Iwalokun BA, Gbenle GO, Smith SI, Ogunledun A, Akisinde KA, Omonigbehin EA. Epidemiology of Shigellosis in Lagos, Nigeria: Trends in antimicrobial resistance. *J Health Popul Nutr* 2001; 19:183-90.
- Jawetz E, Melnick JL, Adelberg E. *Medical microbiology*. Edisi ke-20. Stamford: Appleton dan Lange; 1995. H. 212-4
- Jawetz, Melnick, and Adelberg's. 2001 ; *Mikrobiologi Kedokteran* ; Edisi I ; Salemba Medika, Jakarta ; 196 -198.

- Jones A.C.C., Farthing M.J.G., *Management of infectious diarrhoea*. Gut 2004; 53:296-305.
- Karou, Damintoti., & Savadago, *Antibacterial activity of alkaloid from sida acuta*. *African Journal of Biotechnology*. 2005. 4(12): 1452-1457.
- Katno., 2008, Tingkat Manfaat, Keamanan dan Efektifitas Tanaman Obat dan Obat Tradisional. Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan RI. Karanganyar.
- Kementerian Kesehatan RI, 2011. Profil Kesehatan Indonesia 2010. <http://www.depkes.go.id>.
- Kenna, Mc. (2015). CDC Alert: Drug-Resistant Foodborne Illness Spreads in US. Retrieved April 4, 2015, from <http://phenomena.nationalgeographic.com/2015/04/04/cdc-resistant-shigella/>
- Kusumaningtyas, E., Astuti, E., Darmono, 2008, Sensitivitas Metode Bioautografi Kontak dan *Agar Overlay* dalam Penentuan Senyawa Antikapang , *Jurnal Ilmu Kefarmasian Indonesia*, **6** (2), 75-79
- Kristanti, A. N., N. S. Aminah, M. Tanjung, dan B. Kurniadi, 2008, *Buku Ajar Fitokimia*. Surabaya: Airlangga University Press. Hal. 23, 47.
- Krugman S, Katz SL, Gershon AA, Wilfert CM. Infectious disease of children. Edisi ke-9. St.Louis: Mosby Year Book; 1992.h.109-19.
- Lebenthal E, penyunting. Textbook of Gastroenterology and nutrition in infancy. Edisi ke-2. New York: Raven Press; 1989. H. 1127-8.
- Levine MM. *Shigellosis*. Dalam :Strickland GT. Hunters' Tropical Medicine and emerging Infectious Diseases. Edisi ke-8. Philadelphia: W.B Saunders Company;2000.h.319-323.
- Lima A.A.M., Lima N.L., Pinho M.C.N., High frequency of strain multiply resistant to ampicillin, trimetopim strain multiply resistant to ampicillin, trimethoprim and metracycline isolated from patient with shigellosis in Northeastern Brazil during the period 1988 to 1993. *Antimicrobial Agents and Chemotherapy* 1995:256-259.
- Madduluri, Suresh. Rao, K. Babu. Sitaram, B. In Vitro Evaluation Antibacterial Activity of Five Indegenous Plants Extract Against Five Bacterial Pathogens of Human. *International Journal of Pharmacy and Pharmaceutical Sciences*. 2013:5(4):679-684.
- Madigan. M. T., Martinko, J. M., dan Parker, J. 2000. *Brock Biology of Microorganisms*, 9th Edition. Prentice – Hall Inc. New Jersey.
- Mahmud. Z, 2007. *J. curcas (Jatropha Curcas L.)*. *Info Tek J. curcas*, Bogor.
- Marliana, D.S., Venty, S., dan Suyono,(2005), Skrining Fitokimia dan Analisis Kromatografi Lapis Tipis Komponen Kimia Buah Labu Siam (*Sechium edule* Jacq.Swartz.) dalam esktrak Etanol. *Jurnal Biofarmasi*. 3(1):29
- Mittal, Sandhya.(2013). Thin Layer Chromatography And High Pressure Liquid Chromatography Profiling Of Plant Extracts Of *Viola Odorata* Linn. *Int J Pharm Bio Sci* 2013 Jan; 4(1): (B) 542 - 549
- Mujumdar, A.M., Upadhye, A.S. dan Misar, A.V. (2000). Studies on antidiarrhoeal activity of *Jatropha curcas* root extract in albino mice. *Journal of Ethnopharmacology* **70**(2):183-7.

- Mwine, J. dan Damme, P.V. 2011. *Euphorbia tirucalli* L. (*Euphorbiaceae*) - The Miracle Tree: Current Status of Available Knowledge. *Scientific Research and Essay Journal*. 6 (23): 4905-4914.
- Nafianti, S., dan Sinuhaji, A.B., 2005, Resistensi Trimetoprim-Sulfametoksazol Terhadap Shigellosis. *Sari Pediatri*. 7 (1) : 39-44
- Nafisah, Minhatun., Tukiran, Suyatno, dan Nurul Hidayati, 2014, *Uji Skrining Fitokimia Ada Ekstrak Heksan, Kloroform Dan Metanol Dari Tanaman Patikan Kebo (Euphorbiae hirtae)*. Jurusan Kimia FMIPA Universitas Negeri Surabaya, Prosiding Seminar Nasional Kimia, ISBN: 978-602-0951-00-3.
- Nuria, M, C., Faizatun, A., Sumantri., 2009. Uji Aktivitas Antibakteri Ekstrak Etanol Daun *J. curcas (Jatropha curcas Linn)* Terhadap Bakteri *Staphylococcus aureus* ATCC 25923, *Escherichia coli* ATCC 25922 dan *Salmonella typhi* ATCC 1408. *Mediagro*. Vol 5. No. 2, 2009 : 26-37.
- Okwu DE; Evaluation of the chemical composition of medicinal plants belonging to Euphorbiaceae in Pakistan *Veterinari*. J., 2001; 14: 160-162.
- Oyi, A.R., Onaolapo J.A., Haruna A.K. dan Morah C.O. (2007). Antimicrobial screening and stability studies of the crude extract of *Jatropha curcas* Linn. Latex (*Euphorbiaceae*). *Nigerian Journal of Pharmaceutical Science* 6(2): 14-20.
- Patil, R.N., Patil, R.Y., Ahirwar, B. dan Ahirwar, D. (2011). Evaluation of antidiabetic and related actions of some Indian medicinal plants in diabetic rats. *Asian Pacific Journal of Tropical Medicine* 4(1):20-3.
- Pelczar, M. J., dan Chan, E. S., 1988. *Dasar – Dasar Mikrobiologi*. Penerbit Universitas Indonesia Press. Jakarta.
- Pratiwi, S.T., 2008, *Mikrobiologi Farmasi*, 16-192, Penerbit Erlangga, Jakarta.
- Pratiwi, Puspa Dewi dan Mindarti Harapini, “Nilai Peroksida Dan Aktivitas Anti Radikal Bebas Diphenyl Picril Hydrasil Hydrate (Dpph) Ekstrak Metanol Knema laurina”, *Majalah Farmasi Indonesia*, 17(1), 32 –36.
- Qaiyumi, S., 2007, Macro and Microdilution Methods of Antimicrobial Susceptibility Testing dalam Schwalbe, R., Steele-Moore, L., and Goodwin, R. (Eds.), *Antimicrobial Susceptibility Testing Protocols*, 57, CRC Press, New York.
- Rahayu, W. P., 1999, Kajian aktivitas antimikroba ekstrak dan fraksi rimpang lengkuas (*Alpina galanga*) terhadap mikroba patogen dan perusak pangan. *Disertasi*, Program Pasca Sarjana Fakultas Teknologi Pertanian. Institut Pertanian Bogor, Bogor.
- Rahmah, Rizki Amalia., 2015, Uji Aktivitas Antibakteri Fraksi Polar, Semipolar dan Nonpolar Ekstrak etanolik Bawang Putih (*Allium Sativum* L.) Terhadap Bakteri *Escheria Coli* Secara *In Vitro* Dan *In Silico*, *Skripsi*, Universitas Muhammadiyah Yogyakarta.
- Raquel, F. Epan., 2007, Bacterial lipid composition and the antimicrobial efficacy of cationic steroid compounds. *Biochimica et Biophysica Acta*, Pp. 2500 2509.
- Robinson T., 1995, *Kandungan Organik Tumbuhan Tinggi*. Penerjemah: K. Padmawinata, Edisi IV, Bandung: ITB Press.

- Sachdeva, K., Garg, P., Singhal, M. dan Srivastava, B. (2011). Wound healing potential of extract of *Jatropha curcas* L. (stem bark) in rats. *Pharmacognosy Journal* 3(25): 67-72.
- Sack DA, Lyke C, Laughlin CM, Suwanvanichkij V. An-timicrobial resistance in shigellosis, cholera and camphylobacteriosis. URL: [http://www.who.int/emcdocuments/antimicrobial resistance/shigellosis](http://www.who.int/emcdocuments/antimicrobial%20resistance/shigellosis).
- Sarker, S. D. and Nahar, L. 2006, 'Hyphenated Techniques' in Sarker, S.D., Latif, Z., and Gray, A.I., *Methods in Biotechnology : Natural Product Isolation*, 2th edn, pp.257.
- Scallan E, Hoekstra RM, Angulo FJ, Tauxe RV, Widdowson MA, Roy SL, Jones JL, Griffin PM. Foodborne illness acquired in the United States--major pathogens. *Emerg Infect Dis*. 2011;17(1):7-15.
- Setyaningsih, Dwi., Pandji, Chilwan., Perwatasari., Dayu Dian. Kajian Aktivitas Antioksidan Dan Antimikroba Fraksi Dan Ekstrak Dari Daun Dan Ranting *J. curcas* (*Jatropha Curcas* L.) Serta Pemanfaatannya Pada Produk *Personal Hygiene*. *Agritech* 34 (2).
- Setyaningsih, D., 2010, Peningkatan nilai tambah produk *J. curcas* melalui pemanfaatan bungkil sebagai pakan ternak. *Laporan Penelitian*. Pusat Penelitian dan Pengembangan Perkebunan, Deptan
- Sharma A.K, Gangwar M., Tilak R., Nath G., Sinha A.S.K., Tripathi Y.,B, Kumar D.C., (2012).Comparative *in vitro* antimalarial and phyto-chemical evaluation of methanolic extract of root , stem and leaf of *Jatropha curcas* Linn. *Intl. J. Pharm. Sci. Res.* 3(6):154-1553.
- Siadi, Kusoros., 2012, Ekstrak Bungkil Biji Jarak Pagar (*Jatropha curcas*) sebagai Biopestisida yang Efektif dengan Penambahan Larutan NaCl. *Jurnal MIPA* 35(1): 77-83.
- Simadibrata, M. & Daldiyono, (2009) Diare Akut. In Sudoyo Aru W,Setiyohadi Bambang, Alwi Idrus, Simdibrata K, Marcellius, ed. *Buku Ajar Ilmu Penyakit Dalam*. InternaPublishing, pp. 548–555.
- Sisunandar, Julianto, T., dan Yulia, D., 2002, Senyawa Antibakteri Pada Jarak Cina dalam *Proceding Seminar Nasional Tumbuhan Obat Indonesia XXII*, Purwokerto.
- Siregar, A. F., Sabdono A., Pringgenies D., 2012. Potensi Antibakteri Ekstrak Rumput Laut terhadap Bakteri Penyakit Kulit *Pseudomonas aeruginosa*, *Sthapylococcus epidermidis*, dan *Micrococcus luteus*. *Journal of marine research*, (1): 152-160.
- Sriwahyuni, 2010, Uji fitokimia ekstrak tanaman anting-anting (*Acalypha Indica* Linn) dengan variasi pelarut dan uji toksisitas menggunakan brine shrimp (*artemia salina leach*), *Skripsi*, Fakultas Sains dan Teknologi Universitas Islam Negeri (UIN) Maulana Malik Ibrahim, Malang.
- Stahl, E., 1969, *Thin Layer Chromatography a Laboratory Handbook*, second Edition, Springer International Student Editon, Tokyo, Toppan Company Limited, Japan.
- Subekti D, Oyofa BA, Tjaniadi P. Shigella spp. surveillance in Indonesia: the emergence or reemergence of S.dysenteriae. *Emerging Infectious Diseases*; 2001. h. 137- 40.

- Suharto, dan M.Agung, 2010, *Isolasi dan Identifikasi Senyawa Saponin dari Ekstrak Metanol Batang Pisang Ambon (Musa paradisiacal var.sapientum.L)*. Manado: FMIPA Unsrat.
- Sumarni, Noneng, 2008, Efektivitas Tepung Daun Jarak (*Jatropha Curcass Linn*) Sebagai Anticacing *Ascaridia galli* dan Pengaruhnya terhadap Performa Ayam Kampung, *Skripsi*, Institut Pertanian Bogor.
- Svehla, G., (1990), *Vogel Buku Teks Analisa Kuantitatif Anorganik*. Edisi V. Jakarta: Kalman Media Pustaka.
- Teyler.V.E,1988,*Pharmacognosy Edition 9th*. 187 – 188. Philadelphia : Lea & Febiger.
- Tjaniadi P, Lesmana M, Subekti D, Machpud N, Komalarini S, Santoso W, et al. Antimicrobial resistance of bacterial pathogens associated with diarrheal patients in Indonesia. *Am J Trop Med Hyg* 2003; 68:666-70.
- Voight, R., 1995, Buku Pelajaran Teknologi Farmasi, diterjemahkan oleh Soendari Noerono, Gajah Mada University Press, Yogyakarta.
- Wanger, A., 2007, Disk Diffusion Test and Gradient Methodologies dalam Schwalbe, R., Steele- Moore, L., and Goodwin, R. (Eds.), *Antimicrobial Susceptibility Testing Protocols*, 57, CRC Press, New York.
- Wardhani, Lilies Kusuma & Nanik Sulistyani, 2012, Uji Aktivitas Antibakteri Ekstrak Etilasetat Daun Binahong (*Anredera scandens (L.) Moq.*) Terhadap *Shigella flexneri* Beserta Profil Kromatografi Lapis Tipis, Fakultas Farmasi Universitas Ahmad Dahlan Yogyakarta, *Jurnal Ilmiah Kefarmasian*, 2 ,(1), 1-16
- Zinner SH, Mayer KH. Sulfonamides and trimethoprim. Dalam: Mandell GL, Bennet JE, penyunting. Dollin R. Principles and practice of infectious disease. Edisi ke-5. Bagian pertama. New York: Chuchill Livingstone; 2000. h. 392-401.