

## DAFTAR PUSTAKA

Adamovics JA. Chromatographic Analysis Of Pharmaceuticals (2<sup>nd</sup> Edition). New York : Marcel Dekker; 1997.

Aldridge DC, Turner WB. 9-Hydroxyprehelminthosporol, a metabolite of *Cochliobolus (Helminthosporium) sativus*. J Chem Soc C. 1970; 5: 686-688.

Appelbaum PC. Microbiology resistance in *Staphylococcus aureus*. CID Supplement 3. 2007; 45: 166-170.

Arora DS, Bhardwaj. Antibacterial activity of some medicinal plants. Geo. Bios. 1997; 24: 127-131.

Arumugam T, Senthil Kumar P. Optimization of media components for production of antimicrobial compound by *Brevibacillus brevis* EGS9 isolated from mangrove ecosystem. Journal of Microbiological Methods. 2017; 142: 83-89.

Atlas, R. Handbook of Microbiological Media. United States: CRC Press; 1993.

Aulia H, Rasyid W, Hermansah, Desri, A. Kajian Senyawa Antituberkulosis dari Jamur Candida sp Asal Spon Laut *Haliclona fascigera*. [Laporan Penelitian Pekan Kreatifitas Mahasiswa 2015]. Padang: Fakultas Farmasi Universitas Andalas; 2015.

Bernardo WLC, Boriollo MFG, Goncalves RB, Hofling JF. *Staphylococcus aureus* ampicillin-resistant from the odontological clinic environment. Rev. Inst. Med. Trop. S. Paulo. 2005;47(1): 19- 24.

Blunt JW, Copp BR, Munro MH, Northcote PT, Prinsep MR. Marine natural products. Nat. Prod. Rep. 2006; 23: 26-78.

Brooks GF, Butel JS, Morse, SA. Mikrobiologi Kedokteran (Terjemahan Mudihardi E, Kuntaman, Wasito EB). Jakarta : Salemba Medika; 2007.

Castro P, Huber ME. Marine Biology 7<sup>th</sup> Ed. New York: McGraw-Hill; 2008

Chasanah E, Januar HI, Bourne D, Liptrot C, Wright A. Screening of anticancer activity of fungi derived from Indonesian marine sponges. Journal of Marine and Fisheries Postharvest and Biotechnology (Special Edition in Conjunction with World Ocean Conference Manado). 2009; 11-14.

Chasanah E, Nuning MN, Yenny R, Ariyanti SD. Aktivitas antibakteri dan antioksidan ekstrak *Streptomyces sp.* dan *Exserohilum rostratum* yang dikultivasi pada tiga jenis medium pertumbuhan. JPB Perikanan. 2012; 7(1): 39-48.

Chen H, Wu M, Chen Z, Wang M, Lin J, Yang L. 2013. Enhancing production of a 24-membered ring macrolide compound by a marine bacterium using response surface methodology. J. Zhejiang Univ. (Sci). 2013; 14: 346-354

Choma IM, Grzelak EM. Bioautographic detection in thin-layer Chromatography. Journal Of Chromatography A. 2011; 1218(19): 2684-2691.

Chomcheon P, Wiyakrutta S, Aree T, Sriubolmas N, Ngamrojanavanich N, Mahidol C, Ruchirawat S, Kittakoop P. Curvularides A-E: antifungal hybrid peptide-polyketidas from the endophytic fungus *Curvularia geniculata*. Chem Eur J. 2010; 16: 11178-11185.

David DB, Rubinstein E. Treatment of MRSA infection. MRSA: Current Perspectives. 2003; 275-316.

De Gorgolas M, Aviles P, Verdejo C, Fernandez GML. Treatment of experimental endocarditis due to methicillin-susceptible or methicillin-resistant *Staphylococcus aureus* with trimethoprim-sulfamethoxazole and antibiotics that inhibit cell wall synthesis. Antimicrob Agents Chemother. 1995; 39: 953-957.

DeLeo FR, Chambers HF. Reemergence of antibiotic-resistant *Staphylococcus aureus* in the genomics area. J Clin Invest. 2009; 119(9): 2464- 2474.

Dimuthu SM, Lei C, Ali H, Bahkali EC, Kevin DH. Cochliobolus: an overview and current status of species. Research Gate. 2011; 51: 3-42.

Direktorat Gizi, Departemen Kesehatan RI. Daftar Komposisi Bahan Makanan. Jakarta : Bhartara Karya Aksara; 1992

Djamal, R. Kimia Bahan Alam: Prinsip-Prinsip Dasar Isolasi dan Identifikasi. Padang: Universitas Baiturrahmah; 2010.

Erviani AE. Analisis multidrug resistensi terhadap antibiotik pada *Salmonella typhii* dengan teknik multiplex PCR. Biogenesis. 2013; 1(1): 51-60.

Fardiaz. Panduan Pengolahan Pangan Yang Baik Bagi Industri Rumah Tangga. Jakarta: Badan Pengawas Obat dan Makanan Deput Bidang Pengawas Keamanan Pangan dan Bahan Berbahaya; 1998.

Frank U. Prevention and control of MRSA. MRSA: Current perspectives. 2003; 317-336.

Gandjar I, Wellyzar S, Ariyanti O. Mikologi Dasar dan Terapan. Jakarta: Yayasan Obor Indonesia; 2006.

Gandjar IG, Rohman A. Kimia Farmasi Analisis. Yogyakarta: Pustaka Pelajar; 2007.

Ghosh RR, Ray R, Ghosh TK, Ghosh AP. Clinico-mycological profil of dermatophytosis in a tertiary care hospital in West Bengal-an Indian scenario. International Journal of Current Microbiology and Applied Sciences, 2014; 3: 2319-7706.

Harborne JB. Metode Fitokimia. Bandung: Penerbit ITB; 1987

Harwood MH, Woody CJ. Experimental Organic Chemistry. London: Blackwell Scientific Publication; 1989

Hoog GS. Atlas of Clinical Fungi. Utrecht: CBS; 2000.

Jung HJ, Lee HB, Lim CH, Kim CJ, Kwon HJ. Cochlioquinone A1, a new antiangiogenic agent from *Bipolaris zeicola*. *Bioorg Med Chem*. 2003; 11: 4743-4747.

Kenneth HR, Herbert JH. Synergy of daptomycin with oxacillin and other  $\beta$ -lactams against methicillin-resistant *Staphylococcus aureus*. *Antimicrob Agents Chemother*. 2004; 48: 2871-2875.

Kjer J, Debbab A, Aly AH, Proksch P. Methods for isolation of marine derived endophytic fungi and their bioactive secondary products. *Nat. Protocol*. 2010; 5(3): 479-490.

Kutner MH, Nachtsheim CJ, Neter J, Li W. *Applied Linear Statistical Models* 5<sup>th</sup> Edition. New York: McGraw-Hill; 2005

Kusumaningtyas E, Astuti E, Darmono. Sensitivitas metode bioautografi kontak dan agar overlay dalam penentuan senyawa antikapang. *Jurnal Ilmu Kefarmasian Indonesia*. 2008; 6(2): 75–79.

Lencastre H, Oliveira D. Antibiotic resistant *Staphylococcus aureus*: a paradigm of adaptive power. *Curr Opin Microbiol*. 2007; 10(5): 428- 435.

Molen KMV, Raja HA, Elimat TE, Oberlies NH. 2013. Evaluation of culture media for the production of secondary metabolites in a natural products screening program. *AMB Express*. 2013; 3(71).

Meyer MSA, Rodriguez AD, Berlinck RGS, Hamann MT. Marine pharmacology in 2003: marine compounds with anthelmintic, antibacterial, anticoagulant, antifungal, anti-inflammatory, antimalarial, antiplatelet, antiprotozoal, antituberculosis, and antiviral activities, affecting the cardiovascular, immune and nervous systems, and other miscellaneous mechanism of action. Elsevier Sciences. 2007; 145: 553-581.

Nelson RR. The perfect stage of *Curvularia geniculata*. *Mycologia*. 1964; 56(5): 777-779.

Nikolskaya AN, Pitkin JW, Schaeffer HJ, Ahn JH, Walton JD. EXG1p, a novel exo- $\beta$ 1,3-glucanase from the fungus *Cochliobolus carbonum*, contains a repeated motif present in other proteins that interact with polysaccharides. *Biochimica et Biophysica Acta (BBA)*. 1998; 1425: 632-636.

Paxton JD, Hostettmann K. Methods in Plant Biochemistry-Assays for Bioactivity (Volume 6). London: Academic Press; 1991.

Periyasamy G, Shilpa AV, Akash RG, Prabhu DM, Amit K, Sunil KD. antiproliferative activity of hamigerone and radicinol isolated from *Bipolaris papendorfii*. *Biomed Research International*. 2014; 890904: 1-7.

Phuwapraisirisan P, Sawang K, Siripong P, Tip-pyanga S. Anhydrocochlioquinone a, a new antitumor compound from *Bipolaris oryzae*. *Tetrahedron Lett*. 2007; 48: 5193-5195.

Pratiwi S. Mikrobiologi Farmasi. Jakarta : Gelora Aksara Pratama; 2008

Proksch P, Ebel R, Edrada RA, Schuup P, Lin WH, Sudarsono, Wray V, Steube K. Detection of pharmacologically active natural products using ecology selected examples from Indopacific marine invertebrates and sponge-derived Fungi. *Pure and Appl Chem*. 2003; 75(2): 343-352.

Putri, Refsyah Azanti. Isolasi Senyawa Antibakteri dari Ekstrak Etil Asetat Jamur *Cochliobolus geniculatus* (HF12) yang Bersimbiosis Pada Spon Laut *Haliclona fascigera*. [Skripsi]. Padang : Fakultas Farmasi Universitas Andalas; 2017.

Rahmah N, Rahman AKN. Uji fungistatik ekstrak daun sirih (*Piper betle* L.) terhadap *Candida albicans*. *J.Bioscientiae*. 2010; 7(2): 17-24.

Rasyid W. Penapisan Aktivitas Sitotoksik Etil Asetat Jamur Simbion dari Spon Laut *Haliclona fascigera* dengan Metode Brine Shimp Lethality Test (BSLT). [Skripsi] Padang: Fakultas Farmasi Universitas Andalas; 2015.

Rohman A. Kromatografi Untuk Analisis Obat. Yogyakarta: Graha Ilmu; 2009.

Saleem M, Ali MS, Hussain S, Asharaf M, Lee YS. Marine natural products of fungal origin. *J. Nat Prod Rep.* 2007; 24: 42-52.

Sari WLP, Deddi PP, Dian H. Senyawa antibiotik dari *Bacillus Sp1* (HA1) yang bersimbiosis pada spon laut *Haliclona fascigera*. *Jurnal Sains Farmasi dan Klinis.* 2017; 3(2): 128-133

Sastrohamidjojo H. *Kromatografi*. Yogyakarta : Liberty Yogyakarta; 1985

Schmitz FJ, Fluit AC, Hafner D, Beeck A, Perdikouli M, Boos M, Scheuring S, Verhoef J, Kohrer K, and Von Eiff C. Development of resistance to ciprofloxacin, rifampin and mupirocin in methicillin susceptible and resistant *S. aureus* isolate. *Antimicrob Agents Chemother.* 2000; 44: 3229-3231.

Sengupta S, Chattopadhyay MK. Antibiotic resistance of bacteria: a global challenge. *Resonance*; 2012; 17(2): 177-191.

Septiyawati, Adriman, Sumiarsih E. Hubungan Kelimpahan Fitoplankton dengan Beberapa Parameter Kualitas Air pada Ekosistem Lamun (Seagrass) di Perairan Pantai Nirwana Kota Padang Provinsi Sumatera Barat. Universitas Riau : Fisheries and Marine Science Faculty; 2017

Shituu AO, Okon K, Adesida S, Oyedara O, Witte W, Strommenger B, Layer F, Nubel U. Antibiotic resistance and molecular epidemiology of *Staphylococcus aureus* in Nigeria. *BMC Microbiology*. 2011; 11: 92

Simanjuntak, M. R. Ekstraksi dan Fraksinasi Komponen Ekstrak Daun Tumbuhan Senduduk (*Melastoma malabathricum* L.) serta Pengujian Efek Sediaan Krim terhadap Penyembuhan Luka Bakar. [Skripsi]. Medan : Fakultas Farmasi USU; 2008.

Suzuki M, Sakuno E, Ishihara A, Tamura J, Nakajima H. Conversions of deoxyrdicinin to radicinin and of radicinin to 3-epi-radicinin in the phytopathogenic fungus *Bipolaris coicis*. *Phytochemistry*. 2012; 75: 14-20.

Thakur NL, Muller, WEG. Biotechnological potential of marine sponges. *Current Science*. 2004; 11: 7500-7511.

Thomas TRA, Kavlekar PD, Lokabarathi PA. Marine drugs from sponge-microbe association--a review. *Marine Drugs*. 2010; 8: 1417-146.

Turk T, Ambrozic AJ, Batista U, Strugar G, Kosmina R, Civovic S, Janussen D, Kauferstein S, Mebs D, Sepcic K. Biological activities of ethanolic extracts from deep-sea antarctic marine sponges. *Mar. Drugs*. 2013; 11: 1126-1139.

Weerdt WH, Van SRWM. *Haliclona (Halichoclona) vanderlandi* spec. nov (Porifera: Demospongiae: Haplosclerida) from Indonesia. *Zool. Verh. Leiden*. 2001; 334, 189-194.

Valgas C, Souza SM, Smania EF, Smania A. Screening method to determine antibacterial activity of natural product. *Brazilian Journal of Microbiology*. 2007; 34: 369-380.

Vasantha Bharathi V, Lakshmirayanan R, Jayalakshmi S. Melanin production from marine Streptomyces. *African Journal of Biotechnology*. 2011;10(54): 11224-11234

Yew SM, Chan CL, Lee KW, Na SL, Tan R, Hoh CC, Yee WY, Ngeow YF, Ng KP. A five-year survey of dematiaceous fungi in a tropical hospital reveals potential opportunistic species. *ResearchGate*. 2014; 9: 1-11

Yu H, Lei Z, Lin L, Chengjian Z, Lei G, Wenchoao L. Recent developments and future prospects of antimicrobial metabolites produced by endophytes. Elsevier. 2010; 165: 437-449.

Zheng L, Chen H, Han X, Yan X. Antimicrobial screening and active compound isolation from marine bacterium NJ6-3-1 associated with the sponge Hymeniacidon parleve. *World Journal of Microbial and Biotech*. 2005; 21: 201-206.