

DAFTAR PUSTAKA

- Arai, M., Sobou, M., Vilcheze, C., Baughn, A., Hashizume, H., Pruksakorn, P., Ishida, S., Matsumoto, M., Jacobs, W.R., & Kobayashi, M. 2008. Halicyclamine A, a marine spongean alkaloid as a lead for antituberculosis agent. *Bioorganic & Medical Chemistry*, 16 : 6732-6736.
- Batubara, I., Darusman, L. K., Mitsunaga, T., Rahminiwati, M., & Djauhari, E. 2010. Potency of Indonesian Plants as Tyrosinase Inhibitor and Antioxidant Agent. *Journal of Biological Sciences*, 10 (2) : 138-144.
- Bisswanger, H. 2002. *Enzyme Kinetics : Principles and Methods*. German : Wiley – VCH, Inc.
- Brown, R.G & Burns, T. 2002. *Lecture Notes on Dermatology*. Disadur Zakaria. Lecture Notes on Dermatology. Jakarta : Penerbit Erlangga
- Chang, T. M. 2012. Tyrosinase and Tyrosinase Inhibitors. *Journal of Catalysis and Biotransformation*, 1 : 2.
- Chang, T. S. 2009. An updated review of tyrosinase inhibitors. *International Journal of Molecular Sciences*, 10 : 2440-2475.
- Dahuri, R. 1998. Coastal zone management in Indonesia : issues and approaches. *Journal of Coastal Development*, 1 (2) : 97-112.
- Departemen Kesehatan RI. 1985. *Formularium Kosmetika Indonesia*. Jakarta : Depkes RI.
- Derakhsan, A., Rabindra, R. J., Ramanujam, B., & Rahimi, M. 2008. Evaluation of different media and methods of cultivation on the production and viability of entomopathogenic fungi, *Verticillium lecanii* (Zimm) Viegas. *Pakistan Journal of Biological Sciences*, 11 : 1506-1509.
- Ely, R., Supriya, T., & Naik, C.G. 2004. Antimicrobial activity of marine organism collected of the coast of South East India. *Journal of Experimental Marine Biology and Ecology*, 309 : 121-127.
- Gandjar, I. 2006. *Mikologi Dasar dan Terapan*. Jakarta : Yayasan Obor Indonesia.

- Gazali, M., Zamani, N. P., & Batubara, I. 2014. Potensi limbah kulit buah nyirih *Xylocarpus granatum* sebagai inhibitor tirosinase. *Depik*, 3 (3) : 187-194.
- Graillet, C. R., Aberdam, E., Clement, M., Ortonne, J. P., & Ballotti, R. 1997. Nitric oxide produced by ultraviolet-irradiated keratinocytes stimulates melanogenesis. *J. clin. Invest.*, 99 : 635-642.
- Ha, Y. M., Park, Y. J., Kim, J. A., Park, D., Park, J. Y., Lee, H. J., Lee, J. Y., Moon, H. R., & Chung, H. Y. 2012. Design and synthesis of 5-(substituted benzylidene)thiazolidine-2,4-dione derivatives as novel tyrosinase inhibitors. *European Journal of Medicinal Chemistry*, 49 : 245-252.
- Harwood, M. H., & Woody, C. J. 1989. *Experimental Organic Chemistry*. London : Blackwell Scientific Publication.
- Junquiera, L.C., Carneiro, J., & Kelley, R.O. 2003. *Basic Histology 10th edition*, Washington : Lange.
- Khan, M.T.H. 2007 Molecular design of tyrosinase inhibitors : A critical review of promoting novel inhibitors from synthetic origins. *Pure Appl. Chem.*, 79 : 2277-2295.
- Kjer, J., Debbab, A., Aly, A.H., & Prokcsch, P. 2010. Methods for isolation of marine-derived endophytic fungi and their bioactive secondary products. *Nature Protocols*, 5 (3) : 479-490.
- Lin, J.W., Chiang, H.M., Lin, Y.C., & Wen, K.C. 2008. Natural products with skin-whitening effects. *Journal Food and Drugs Analysis*, 2 (16) : 1-10.
- Maeda, F., & Fukuda, K. 1991. In vitro effectiveness of several whitening cosmetic components in human melanocytes. *Journal of the Society of Cosmetic Chemist*, 42 : 361-368.
- Mahardika, H. 2012. Uji Penghambatan Tirosinase secara In Vitro serta Stabilitas Fisik dan Stabilitas Kimia Sediaan Krim yang Mengandung Asam Azealat. (*Skripsi*). Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Indonesia, Depok.
- Mayers, P., Epsinosa, Paar, C.S., Jones, Hammond, G.S., & Dewey, T.A. 2008. *The Animal Diversity Web*.

- Molen, K. M. V., Raja, H. A., Elimat, T. E., & Oberlies, N. H. 2013. Evaluation of culture media for the production of secondary metabolites in a natural products screening program. *AMB Express a SpringerOpen Journal*, 3 : 71-77.
- Momtaz, S., Mapunya, B. M., Houghton, P. J., Edgerly, C., Hussein, A., Naidoo, S., & Lall, N. 2008. Tyrosinase inhibition by extract and constituents of *Sideroxylon inerme* L. stem bark, used in South Africa for skin lightening. *Journal of ethnopharmacology*, 199 : 507-512.
- Nawari. 2010. *Analisis Regresi dengan MS Excel 2007 dan SPSS 17*. Jakarta : PT Elex Media Komputindo.
- Ohguchi, K., Tanaka, T., Iliya, I., Iro, T., Iinuma, M., Matsumoto, K., Akao, Y., & Nozawa, Y. 2003. Gnetol as a Potent Tyrosinase Inhibitor from Genus *Gnetum*. *Biosci, Biotechnol, Biochem*, 67 (3) : 663-665.
- Park, H.Y., & Yaar, M. 2012. *Biology of melanocytes*. Dalam: Goldsmith, L.A., Katz, S.I., Gilchrest, B.A., Paller, A.S., Leffell, D.J., & Wolff, K. penyunting. Fitzpatrick's dermatology in general medicine. Edisi ke-8. New York: McGraw-Hill; hlm. 795–81.
- Park, J. W., Ha, Y. M., Moon, K. M., Kim, S. R., Jeong, H. O., Park, Y. J., Lee, H. J., Park, J. Y., Song, Y. M., Chun, P., Byun, P., Byun, Y., Moon, H. R., & Chung, H. Y. 2013. De novo tyrosinase inhibitor : 4-(6,7-Dyhidro-5H-indeno[5,6-d]thiazol-2-yl)benzene-1,3-diol (MHY1556). *Bioorganic & Medicinal Chemistry Letters*, 23 : 4172-4176.
- Parvez, S., Kang, M., Suck, H. C., Cho, C., Chang, M. H., Kyu, M. S., & Bae, H. 2006. Survey and Mechanism of Skin Depigmenting and Lightening Agent. *Phytother. Res*, 20 : 921-934.
- Pratiwi, S. T. 2008. *Mikrobiologi Farmasi*. Jakarta : Erlangga.
- Proksch, P., Edrada, R. A., & Ebel. 2002. Drugs from the sea-current status and microbiological implications. *Appl. Microbiol. Biotechnol*, 59 : 125–134.
- Putri, W. S., Supriyanti, M. T., & Zackiyah. 2010. Penentuan aktivitas dan jenis inhibitor ekstrak methanol kulit batang *Artocarpus heterophyllus* LAMK sebagai inhibitor tirosinase. *Jurnal Sains dan Teknologi Klinis*, 1 : 94-99.

- Rachmat, R. 2007. Spon Indonesia kawasan timur keragaman, distribusi, kelimpahan, dan kandungan metabolit sekundernya. *Jurnal Oseanologi dan Limnologi di Indonesia*, 33 : 123-138.
- Rasyid, W. 2015. Penapisan Aktivitas Sitotoksik Ekstrak Etil Asetat Jamur Simbion dari Spon Laut *Haliclona fascigera* dengan Metode Brine Shimp Lethality Test (BSLT). (Skripsi). Fakultas Farmasi Universitas Andalas, Padang.
- Rohde & Hartmann. 1980. *Introducing Mycology By Examples*. Hamburg : Schering Aktiengesellschaft.
- Saha, A., Mandal, P., Dasgupta, S., & Saha, D. 2008. Influence of culture media and environmental factors on mycelia growth and sporulation of *Lasiopodia theobromae* (Pat.) griffon and maubl. *Journal of Environmental Biology*, 29 : 407-410.
- Saranraj, P., & Stella, D. 2013. Fungal amylase – a review. *International Journal of Microbiological Research*, 4 (2) : 203-211.
- Schallreuter K.U., Kothari, S., Chavan, B., & Spencer J.D. 2007. Regulation of melanogenesis-controversies and new concepts. *Exp. Dermatol*, 17 : 395–404.
- Seo, S.Y., Sharma, V.K., & Sharma, N. 2003. Mushroom tyrosinase : recent prospects. *Journal Agricultural and Food Chemistry*, 51 (10) : 2837-2853.
- Serra, E. B., Tribo, M.J., & Camarasa, J.G. 1998. Allergic contact dermatitis from kojic acid. *Contact Dermatitis*, 39 : 86.
- Slominski, A., Tobin, D. J., Shibahara, S., & Wotrsman, J. 2004. Melanin pigmentation in mammalian skin and its hormonal regulation. *Physiol. Rev.*, 84 : 1155-1228.
- Strobel, G. A., & B. Daisy. 2003. Bioprospecting for microbial endophytes and their natural products. *Microbiol. and Mol. Biology Rev*, 67 (44) : 491-502.
- Sumardjo. 2009. *Pengantar Kimia*. Jakarta : Buku Kedokteran EGC.
- Tranggono R. I. S., & Fatma, L. 2007. *Buku Pegangan Ilmu Pengetahuan Kosmetik*. Jakarta : PT Gramedia Pustaka Utama.
- Tsuchiya, T., Yamada, K., Minoura, K., Miyamoto, K., Usami, Y., Kobayashi, T., Hamada, N. S., Imada, C, & Tsujibo, H. 2008. Purification and Determination of the Chemical Structure of the Tyrosinase Inhibitor Produced by *Trichoderma*

viride Strain H1-7 from a Marine Environment. *Biol. Pharm. Bull*, 31 (8) : 1618 – 1620.

Vaibhav, S., & Lakshaman, K. 2012. Tyrosinase Enzyme Inhibitory activity of Selected Indian Herbs. *International Journal of Research in Pharmaceutical and Biomedical Sciences*, 3 (3) : 977-982.

Van, R. W. M. S. 1989. The Indonesian Sponge Fauna : A Status Report. *Netherlands of Sea Research*, 23 (2) : 223-230.

Vasanthabharathi, S., & Jayalaksmi. 2011. Bioactive potential of symbiotic bacteria and fungi from marine sponges. *African Journal of Biotechnology*, 11 : 7500-7511.

Wattanadilok, R., Sawangwong, P., Rodrigues, C., Cidade, H., Pinto, M., & Pinto, E. 2007. Antifungal activity evaluation of the constituent of *Haliclona baeri* and *Haliclona cymaeformis*, collected from the gulf of Thailand. *Marine Drugs*, 5 : 40-51.

Weerd, W. H. D., & Van, R. W. M. S. *Haliclona (Halicholona) vanderlandi* spec. nov. (Poripfera: Demospongiae: Haplosclerida) from Indonesia. *Zool. Verh. Leiden*, 334 : 189-194.

Young, J. M., Young, E. Y., Song, G., Ho, N.L., & Gu, C. H. 2010 Screening of elastase and tyrosinase inhibitory activity from Jeju Island plants. *EurAsian Journal of BioSciences*, 4 : 41-53.

