

## DAFTAR PUSTAKA

- Amalia, A.R. 2015. Efek Fraksi Ekstrak Metanolik dan Air Bekatul Padi (*Oryza sativa* L.) ‘Cempo Ireng’ terhadap Induksi Apoptosis dan Profil Siklus Sel T47D dan WiDr. Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Anonymous. 2008. The Global Burden of Disease, 2004 update. World Health Organization (WHO).
- Anonymous. 2009. Buku Saku Pencegahan Kanker Leher Rahim dan Kanker Payudara. Direktorat Pengendalian Penyakit Tidak Menular. Direktorat Jenderal PP & PL. Departemen Kesehatan RI.
- Anonymous. 2010. Protokol Uji In Vitro. Cancer Chemoprevention Research Center (CCRC). Fakultas Farmasi UGM. Yogyakarta. <http://ccrc.farmasi.ugm.ac.id>. Diakses 19 April 2015.
- Anonymous. 2014. ATCC: T-47D (ATCC<sup>®</sup> HTB-133<sup>™</sup>). <http://www.atcc.org>. Diakses 11 Desember 2015.
- Anonymous. 2015<sup>a</sup>. American Cancer Society (ACS): Global Cancer Facts & Figures. 3<sup>rd</sup> Edition. Atlanta.
- Anonymous. 2015<sup>b</sup>. Stop Kanker Pusat Data dan Informasi Kementerian Kesehatan RI. Jakarta.
- Ashajyothi V., Pippalla, R.S, and Satyavati, D. 2012. *Dioscorea bulbifera*, A Review. *International Journal of Pharmacy & Technology*. **4**(2): 2157—2163.
- Atmaja, R.P. 2013. Identifikasi Golongan Senyawa Toksik dari Ekstrak Metanolik Daun *Piper* spp. terhadap Sel Kanker Payudara T47D. Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Awik, P.D.N., Sukardiman dan Fadjri, H.T. 2011. Uji sitotoksisitas dan efek ekstrak spons laut *Aaptos suberitoides* terhadap sel kanker serviks (HeLa) secara in vitro. ITS. <http://digilib.its.ac.id>. Diakses 15 Mei 2016.
- Bintang, M. 2010. Biokimia Teknik Penelitian. Erlangga. Jakarta.
- Burdall, E.S., Hanby, M.A., Landsdown, R.J.M., and Speirs, V. 2003. Breast cancer cell line: friend or foe? *Breast Cancer Research*. **5**: 89-95.

- Chasani, M., Ruli, B.F. dan Purwati. 2013. Fraksinasi Ekstrak Metanol Kulit Batang Ketapang (*Terminalia catappa* Linn.) dan Uji Toksisitasnya dengan Metode BSLT (Brine Shrimp Lethality Test). *Molekul*. **8**(1): 89—100.
- Chen, X., Wu, S., Zeng, X., Jiang, X., Chen, X., Yuan, J., Lu, B., and Li, J. 2013. Antioxidant and SGC-7901 Cell Inhibition Activities of Rhizom *Dioscoreae bulbiferae* Ethanol Extracts. *African Journal Traditional Complement Alternative Medicine*. **10**(5): 261—266.
- Choudhary, K., Singh, M. and Pillai, U. 2008. Ethnobotanical Survey of Rajasthan - An Update. *American-Eurasia Journal of Botany*. **1**(2): 38—45.
- Cui, H. 2012. Antitumor activity and possible mechanism of crude polysaccharides from *Dioscorea bulbifera* L. on the mice bearing U14 cervical carcinoma. *Advanced Materials Research*. 560-561: 374-379.
- Dewick, P.M. 2002. *Medicine Natural Products: A Biosynthetic Approach*. Second Edition. Wiley. England.
- Eprilianti, I. 2000. Potensi *Dioscorea* dalam Pangan Fungsional. *Jurnal Teknologi Pangan dan Gizi*. **1**(1): 29-38.
- Fajarullah, A., Irawan, H. dan Pratomo, A. 2014. Ekstraksi Senyawa Metabolit Sekunder Lamun *Thalassodendron ciliatum* pada Pelarut Berbeda. Program Studi Ilmu Kelautan. FIKP Universitas Maritim Raja Ali Haji. *e-Journal Umrah*. p 15.
- Gao, H., Hou, B., Kuroyanagi, M., and Wu, L. 2007 Constituents from anti-tumor-promoting active part of *Dioscorea bulbifera* L. in JB6 mouse epidermal cells. *Asian Journal of Traditional Medicines*. **2**(3): 104-109.
- \_\_\_\_\_, Kawahara, N., Yasuno, T., and Nakamura, Y. 2002. Antitumor-Promoting Constituents from *Dioscorea bulbifera* L. in JB6 Mouse Epidermal Cells. *Biological and Pharmaceutical Bulletin*. **25**(9): 1241-1243.
- Ghosh, S. Ahire, M., Patil, S., Jabgunde, A., Dusane, M.B., Joshi, B.N., Pardesi, K., Jachak, S., Dhavale, D.D., and Chopade, B.A. 2011. Antidiabetic Activity of *Gnidia glauca* and *Dioscorea bulbifera*: Potent Amylase and Glucosidase Inhibitors. Research Article. *Evidence-Based Complementary and Alternative Medicine*. **2012**: 1-10.
- \_\_\_\_\_, Patil, S., Ahire, M., Kitture, R., Kale, S., Pardesi, K., Cameotra, S.S., Bellare, J., Dhavale, D.D., Jabgunde, A., and Chopade, B.A. 2012. Synthesis of silver nanoparticles using *Dioscorea bulbifera* tuber extract

and evaluation of its synergistic potential in combination with antimicrobial agents. *International Journal of Nanomedicine*. **7**: 483-486.

- Gordaliza, M. 2007. Natural products as leads to anticancer drugs. *Clinical and Translational Oncology*. **9**: 967-976.
- Handa, S.S., Khanuja, S.P.S., Longo, G., and Rakesh, D.D. 2008. Extraction Technologies for Medicinal and Aromatic Plants. ICS UNIDO. Italy.
- Harborne, J.B. 1982. Metode Fitokimia: Penuntun cara modern menganalisis tumbuhan. Terbitan kedua. Cetakan keempat. Diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro. Penerbit ITB. Bandung.
- Hendra, H. 2015. Identifikasi Golongan Senyawa Antioksidan dan Antibakteri Ekstrak Daun gaharu (*Aquilaria malaccensis* Lamk.). Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Ibrahim, S. dan Sitorus, M. 2013. Teknik Laboratorium Kimia Organik. Graha Ilmu. Medan-Padang.
- Isomarina, R. 2015. Identifikasi Golongan Senyawa Antioksidan dan Sitotoksik Daun Gaharu (*Gyrinops versteegii* (Gilg.) Domke) terhadap Sel Kanker Leher Rahim (Hela). Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Kristianti, A.N., Aminah, N.S., Tanjung, M., dan Kurniadi, B. 2008. Fitokimia. Airlangga University Press. Surabaya.
- Kumoro, A.C. 2015. Teknologi Ekstraksi Senyawa Bahan Aktif dari Tanaman Obat. Plantaxia. Semarang.
- Liu, H., Chou, G., Wu, T., Guo, Y., Wang, S., Wang, C., and W, Z. 2009. Steroidal Saponins and Glycosides from the Rhizomes of *Dioscorea bulbifera*. *Journal of Natural Products*. **72**(11): 1964-1968.
- \_\_\_\_\_. 2010. Norclerodane Diterpenoids from Rhizomes of *Dioscorea bulbifera*. *Phytochemistry*. **71**: 1174-1180.
- Ma, Y., Niu, C., Wang, J., Ji, L., and Wang, Z. 2013. Diosbulbin B-induced Liver Injury in Mice and Its Mechanism. *Human and Experimental Toxicology*. 1-8. <http://www.het.sagepub.com>. Diakses 11 Februari 2015.
- Maideliza, T., Dahlan, S., Meriko, L., Roziah, dan Muhammad, E.S. 2007. Kajian Struktur dan Kariotipe Gadung (*Dioscorea bulbifera* L.) Di Sumatera Barat. *Makara Sains*. **11**(1): 37-43.

- Malek, S.N.A., Phang, C.W., Ibrahim, H., Norhanom, A.W., and Sim, K.S. 2011. Phytochemical and cytotoxic investigations of *Alpinia mutica* rhizomes. *Molecules*. **16**: 583—589.
- Malikun. 2011. Profil Terpenoid Organ Vegetatif *Brucea javanica* (L.) Merr. yang Tumbuh Di Kalimantan Barat dan Yogyakarta. Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.
- Mbiantcha, M., Kamanyi, A., Teponno, R.B., Tapondjou, A.L., Watcho, P., and Nguelefack, T.B. 2010. Analgesic and Anti-Inflammatory Properties of Extracts from the Bulbils of *Dioscorea bulbifera* L. var *sativa* (Dioscoreaceae) in Mice and Rats. Research Article. *Evidence-Based Complementary and Alternative Medicine*. **2011**: 1-9.
- Meyer, B.N., Ferigni, J.T., Putnam, L.B., Jacobsen, D.E., Nichols, D.E., and McLaughlin, J.L. 1982. Brine Shrimp, a conventional general bioassay for active plant constituent. *Plant Medica*. **45**(5): 31—34.
- Mollik, M.A.H., Hossan, M.S., Paul, A.K., Rahman, T.U., Jahan, R., and Rahmatullah, M. 2010. A Comparative Analysis of Medicinal Plants Used by Folk Medicinal Healers in Three Districts of Bangladesh and Inquiry as to Mode of Selection of Medicinal Plants. *Ethnobotany Research & Applications*. **8**: 195-218.
- Niles, A.L., Moravec, R.A., and Riss, T.L. 2009. In Vitro Viability and Cytotoxicity Testing and Same-Well Multi-Parametric Combination for High Throughput Screening. *Current Chemical Genomics*. **3**: 33-41.
- Nirmala, M.J., Samundeeswari, A. and Sankar, P.D. 2011. Natural plant resources in anti-cancer therapy-A review. *Research in Plant Biology*. **1**(3): 01-14.
- Nugroho, L.H., Purnomo dan Sumardi, I. 2005. Struktur dan Perkembangan Tumbuhan. Penebar Swadaya. Jakarta.
- Oemiati, R., Rahajeng, E., dan Kristanto, A.Y. 2011. Prevalensi Tumor dan Beberapa Faktor Yang Mempengaruhinya Di Indonesia. *Buletin Penelitian Kesehatan*. **39**(4): 190-204.
- Okon, J.E., and Ofeni, A.A. 2013. Antidiabetic Effect of *Dioscorea bulbifera* on Alloxan Induced Diabetic Rats. Research Article. *CIBTech Journal of Pharmaceutical Sciences*. **2**(1): 14-19.
- Overholt, W.A., Markle, L., Meisenburg, M., Raz, R., Wheeler, G., Pemberton, R., Taylor, J., King, M., Schmitz, D., and Parks, G.R. 2008. Air Potato

Management Plan: Recommendation from the Air Potato Task Force.  
Florida Exotic Pest Plant Council.

- Purnomo, Daryono, B.S., Rugayah, dan Sumardi, I. 2012. Studi Etnobotani *Dioscorea* spp. (Dioscoreaceae) dan Kearifan Budaya Lokal Masyarakat di Sekitar Hutan Wonosadi Gunung Kidul Yogyakarta. *Jurnal Natur Indonesia*. **14**(3): 191-198.
- Rêgo, T.S., Ash, L.S., Pessoa, L., Feijó, M.B.S., Leite, J., Dos Santos, A.S., Da Costa, C.A., and Boaventura, G.T. 2014. The intake of Yam (*Dioscorea bulbifera* Linn) attenuated the hyperglycemia and the bone fragility in female diabetic rats, Original/Alimentos funcionales. *Nutrición Hospitalaria*. **29**(2): 370-375.
- Remesh, A. 2012. Toxicities of Anticancer Drugs and Its Management. *International Journal of Basic & Clinical Pharmacology*. **1**: 2-12.
- Rode, H.J. 2008. Apoptosis, Cytotoxicity and Cell Proliferation. 4<sup>th</sup> edition. Roche Diagnostics GmbH. <https://lifescience.roche.com>. Diakses 19 April 2015.
- Siahaan, E.R. 2011. Prevalensi Kanker Payudara Di Rumah Sakit Hasan Sadikin, Bandung Periode Januari-Desember 2009. Thesis Universitas Kristen Maranatha. <http://repository.maranatha.edu/id/eprint/2264>. Diakses 12 Desember 2015.
- Stahl, E. 1988. Thin layer chromatography. 2<sup>nd</sup> edition. Springer-Verlag. Berlin. <http://www.mn-net.com/>. Diakses 1 Mei 2015.
- Sticher, O. 2008. Natural Product Isolation. *Natural Product Reports*. **25**: 517-554.
- Subasini, U., Thenmozhi, S., Sathyamurthy, D., Vetrivelan, S., Rajamanickam, G.V., and Dubey, G.P. 2013. Pharmacognostic and Phytochemical Investigations of *Dioscorea bulbifera*. *International Journal of Pharmacy & Life Science*. **4**(5): 2693-2700.
- Subhash, C., sarla, S., Abhay, M.P., and Anoop, B. 2012. Nutritional Profile and Phytochemical Screening of Garhwal Himalaya Medicinal Plant *Dioscorea bulbifera*. *International Research Journal of Pharmacy*. **3**(5): 289-294.
- Sumardi, I. dan Pudjoarinto, A. 1992. Struktur dan Perkembangan Tumbuhan. Fakultas Biologi Universitas Gadjah mada. Yogyakarta.
- Swankar, S. and Katewa, S.S. 2008. Ethnobotanical Observation of Tuberous Plants from Tribal Area of Rajasthan (India). *Ethnobotanical Leaflets*. **12**(6): 47-66.

- Teponno, R.B., Tapondjou, A.L., Gatsing, D., Djoukeng, J.D., Abou-Mansour, E., Tabacchi, R., Tane, P., Stoekli-Evans, H., and Lontsi, D. 2006. *Phytochemistry*. **67**: 1957-1963.
- Tiwari, P., Kumar, B., Kaur, M., Kaur, G., dan Kaur, H. 2011. Phytochemical screening and Extraction: A Review. *Internationale Pharmaceutica Scientia*. **1**(1): 98-106.
- Tomsone, L., Kruma, Z., and Galoburda, R. 2012. Comparison of Different Solvents and Extraction Methods for Isolation of Phenolic Compounds from Horseradish Roots (*Armoracia rusticana*). *World Academy of Science. Engineering and Technology*. **64**: 903-908.
- Wahyuningsih, M.S.H., Syarif, R.A., Suharmi, S., Murini, T., Saputra, F., dan Adiguno, S.W. 2013. Selektivitas ekstrak terpurifikasi daun *Tithonia diversifolia* (Hemsley) A.Gray terhadap sel HeLa. *Traditional Medicine Journal*. **18**(1): 22—28.
- Wang, J., Ji, L., Branfordwhite, C.J., wang, Z., Shen, K., Liu, H., and Wang, Z. 2012. Antitumor activity of *Dioscorea bulbifera* L. rhizome in vivo. *Fitoterapia*. **83**: 388-394.
- Widyanigrum, H. dan Tim Solusi Alternatif. 2011. Kitab Tanaman Obat Nusantara (Disertai Indeks Pengobatan). Media Pressindo. Yogyakarta. pp 687-688.
- Winarti, S., Harmayani, E., dan Nurismanto, R. 2011. Karakteristik dan Profil Inulin Beberapa Jenis Uwi (*Dioscorea* spp.). *AGRITECH*. **31**(4): 378-383.
- Wink, M. 2010. Functions and Biotechnology of Plant Secondary Metabolites. Second edition. Annual Plant Reviews Volume 39. Wiley-blakwell. Germany.
- Yu, Z.L., Liu, X.R., McCulloch, M., and Gao, J. 2004. Anticancer effects of various fractions extracted from *Dioscorea bulbifera* on mice bearing HepA. *China Jurnal of Material Medica*. **29**(6): 563-567.
- Yudi, Y.H.C. 2013. Identifikasi Golongan Senyawa Sitotoksik terhadap Sel Kanker T-47D Ekstrak Kloroform Daun *Piper* spp. Koleksi Kebun Raya Bogor. Tesis Program Pascasarjana Program Studi Biologi Fakultas Biologi Universitas Gadjah Mada. Yogyakarta.