Daftar pustaka

Adrian, T. E., & Collin, P. (2018). The Anti-Cancer Effects of Frondoside A. *Marine Drugs*, 1–16. https://doi.org/10.3390/md16020064

Ahmed, D., Eide, P. W., Eilertsen, I. A., Danielsen, S. A., Eknæs, M., Hektoen, M., … Lothe, R. A. (2013). Epigenetic and genetic features of 24 colon cancer cell lines. *Oncogenensis*, (424), 1–8. https://doi.org/10.1038/oncsis.2013.35

Albuntana, A., Yusman, & Wardhana, W. (2011). Uji Toksisitas Ekstrak Empat Jenis Teripang Suku Holothuridae dari Pulau Penjaliran Timur, Kepulauan Seribu, Jakarta Menggunakan Brine Shrimp Lethality Test (BSLT). *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, *3*(1), 65–72.

Alfarouk, K. O., Stock, C. M., Taylor, S., Walsh, M., Muddathir, A. K., Verduzco, D., … Rauch, C. (2015). Resistance to cancer chemotherapy : failure in drug response from ADME to P ‑ gp. *Cancer Cell International*, 1–13. https://doi.org/10.1186/s12935-015-0221-1

Althunibat, O. Y., Ridzwan, B. H., Taher, M., Daud, J. M., Jauhari Arief Ichwan, S., & Qaralleh, H. (2013). Antioxidant and cytotoxic properties of two sea cucumbers, Holothuria edulis lesson and Stichopus horrens Selenka. *Acta Biologica Hungarica*, *64*(1), 10–20. https://doi.org/10.1556/ABiol.64.2013.1.2

Aminin, D. L., Menchinskaya, E. S., Pisliagin, E. A., Silchenko, A. S., Avilov, S. A., & Kalinin, V. I. (2015). Anticancer Activity of Sea Cucumber Triterpene Glycosides, *9*, 1202–1223. https://doi.org/10.3390/md13031202

Astuti, M. D., Kuntorini, E. M., & Eka, W. F. (2014). Isolasi Dan Identifikasi Terpenoid dari Fraksi n-Butanol Herbal Lampasau (Diplazium esculentum Swartz). *Valensi*, *4*(1).

Azwanida. (2015). A Review on the Extraction Methods Use in Medicinal Plants , Principle , Strength and Limitation. *Medical & Aromatic Plants*, *4*(3), 3–8. https://doi.org/10.4172/2167-0412.1000196

Bahrami, Y., & Franco, C. M. M. (2015). Structure Elucidation of New Acetylated Saponins, Lessoniosides A, B, C, D, and E, and Non-Acetylated Saponins, Lessoniosides F and G, from the Viscera of the Sea Cucumber Holothuria lessoni. *Marine Drugs*, 597–617. https://doi.org/10.3390/md13010597

Bahrami, Y., Zhang, W., Chataway, T., & Franco, C. (2014). Structural Elucidation of Novel Saponins in the Sea Cucumber Holothuria lessoni. *Marine Drugs*, 4439–4473. https://doi.org/10.3390/md12084439

Bahrami, Y., Zhang, W., & Franco, C. (2014). Discovery of Novel Saponins from the Viscera of the Sea Cucumber Holothuria lessoni, 2633–2667. https://doi.org/10.3390/md12052633

Bele, A. A., & Khale, A. (2011). An Overview on Thin Layer Chromatography. *International Journal of Pharmaceutical Sciences and Research*, *2*(2), 256–267.

Berthod, A., & Carda-broch, S. (2004). Determination of liquid – liquid partition coefficients by separation methods. *Journal of Chromatography A*, *1037*, 3–14. https://doi.org/10.1016/j.chroma.2004.01.001

Bordbar, S., Anwar, F., & Saari, N. (2011). High-value components and bioactives from sea cucumbers for functional foods - A review. *Marine*

Drugs, *9*(10), 1761–1805. https://doi.org/10.3390/md9101761
Cannon, L., & Silver, H. (1868). Marine Species Identification Portal. Retrieved January 6, 2018, from http://species-identification.org
Caulier, G., Dyck, S. Van, Gerbaux, P., Eeckhaut, I., & Flammang, P. (2011). Review of saponin diversity in sea cucumbers belonging to the family Holothuriidae. *SPC Beche-de-Mer Information Bulletin*, *31*(January), 48–54.
Chasanah, E. (2008). Marine biodiscovery research in indonesia : challenges and rewards. *Journal of Coastal Development*, *12*(1), 1–12.
Cowin, E. (2009). *Buku Saku Patofosiologi*. Penerbit Buku Kedokteran EGC.
Cui, F., Xue, C., Li, Z., & Zhang, Y. (2007). Food Chemistry Characterization and subunit composition of collagen from the body wall of sea cucumber Stichopus japonicus, *100*, 1120–1125. https://doi.org/10.1016/j.foodchem.2005.11.019
Darsono, P. (2003). Sumberdaya Teripang dan Pengelolaannya. *OSEANA XXVIII*, *XXVIII*(2), 1–9.
Dewick, P. M. (2009). *Medical Natural Product: A Biosynthetic Approach* (3rd ed.). United Kingdom: John Wiley & Sons.
Dhinakaran, D. I. (2014). Pharmacological Potentials of Sea Cucumber Holothuria atra Extracts from the Indian Ocean. *Asian Journal of Biomedical and Pharmaceutical Sciences*, *4*(35), 36–43. https://doi.org/10.15272/ajbps.v4i35.537
Donepudi, M. S., Kondapalli, K., Amos, S. J., & Venkanteshan, P. (2016). Breast cancer statistics and markers. *Journal of Cancer Research and Therapeutics*, *10*(3), 506–511.
Donepudi, M. S., Kondapalli, K., Jeevan, A. S., & Pavithra, V. (2014). Breast cancer statistics and markers. *Journal of Cancer Research and Therapeutics*, *10*(3). https://doi.org/10.4103/0973-1482.137927
Dyck, S. Van, Gerbaux, P., & Flammang, P. (2010). Qualitative and Quantitative Saponin Contents in Five Sea Cucumbers from the Indian Ocean. *Marine Drugs*, 173–189. https://doi.org/10.3390/md8010173
Ebada, S. S., Edrada, R. A., Lin, W., & Proksch, P. (2008). Methods for isolation , purification and structural elucidation of bioactive secondary metabolites from marine invertebrates. *Nature Protocols*, *3*(12), 19–23. https://doi.org/10.1038/nprot.2008.182
Elmore, S. (2007). Apoptosis : A Review of Program Cell Death. *Toxicol Pathol*, *35*(4), 495–516.
Fabre, N., & Rustan, I. (2001). Determination of Flavone, Flavonol, and Flavanone Aglycones by Negative Ion Liquid Chromatography Electrospray Ion Trap Mass Spectrometry, *305*(1).
Fitrianingrum, D. A. D. (2016). *Sitotoksisitas Ekstrak Etanol Teripang Hitam (Holothuria atra) terhadap sel WiDr, sel MCF-7 dan sel Vero*. Skripsi tidak dipublikasikan, Universitas Pancasila.
Freshney, R. I. (2005). *Culture of Animal Cells: A Manual of Basic Technique* (Fifth Fdit). John Wiley & Sons.
Goodwin, E. C., & Dimaio, D. (2000). Repression of human papillomavirus oncogenes in HeLa cervical carcinoma cells causes the orderly reactivation of dormant tumor suppressor pathways. *PINAS*, *97*(No.23), 12513–12518.
Hahn, W. C., & Weinberg, R. A. (2002). Reviews : Modelling The Molecular

Circuitry of Cancer. *Nature Publishing Group*, *2*(May). https://doi.org/10.1038/nrc795

Halimatushadyah, E. (2015). *Aktivitas Proapoptosis dan Penghambatan Sel Kanker Payudara T47D oleh Ekstrak Etanol 96% Teripang Holothuria arta Jeager,1833*. Skripsi tidak dipublikasikan, Univeritas Muhammadiyah Prof. Dr. HAMKA.

Hermawati, S. (2013). The inhibition of malignant epithelial cells in mucosal injury in the oral cavity of strains by pomegranate fruit extract (Punica granatum linn) through Bcl-2 expression. *Dental Journal*, *46*, 35–38.

Heryanto, Soewardi, K., Soedarma, D., W, Y., Yusro, E., & Setiabudiningsih. (2008). *Pedoman Monitoring Teripang*. Departemen Kelautan RI.

Hingorani, R., Deng, J., Elia, J., Mcintyre, C., & Mittar, D. (2011). Detection of Apoptosis Using the BD Annexin V FITC Assay on the BD FACSVerse™ System.

Hongmei, Z., & Vogt, C. (2012). Extrinsic and Intrinsic Apoptosis Signal Pathway Review Scientist, 3–22. https://doi.org/http://dx.doi.org/10.5772/50129

Husain, G., Tamanampo, J. F. W. ., & Manu, G. D. (2017). Struktur Komunitas Teripang (Holothuridae) di Kawasan Pantai Pulau Nyaregilaguramangofa Kec. Jailolo Selatan Kab. Halmahera Barat Maluku Utara. *Jurnal Ilmiah Platax*, *5*(2).

Hussain, S., Fareed, S., Ansari, S., & Sajid, M. (2012). Marine natural products : A lead for Anti-cancer. *Indian Journal of Geo-Marine Sciences*, *41*(February), 27–39.

Hyman, L. H. (1955). *The Intervetebrates IV Echinodermata the Coelomata Bilateria*. Mc Graw Hill.

Iwashina, T. (2003). Flavonoid Function and Activity to Plants and Other Organisms. *Biological Sciences in Spase*, *17*(1), 24–44.

Kemenkes, R. (2013). *Riset Kesehatan Dasar (RISKESDAS) 2013*. Jakarta.

King, R. J. ., & Robin, M. W. (2006). *Cancer Biology* (Third Edit). Pearson Education Limited.

Kumar, V., Fausto, N., & Abbas, A. (2005). *Robbins & Cotran Pathologic Basis of Disease*. Elsevier Inc.

Kwan, Y. P., Saito, T., Ibrahim, D., Al-hassan, F. M. S., Oon, C. E., Chen, Y., … Sasidharan, S. (2015). Evaluation of the cytotoxicity , cell-cycle arrest , and apoptotic induction by Euphorbia hirta in MCF-7 breast cancer cells. *Pharmaceutical Biology*, *0*(0), 1–14. https://doi.org/10.3109/13880209.2015.1064451

Lapenna, S., & Giordano, A. (2009). Cell cycle kinases as therapeutic. *Nature Review*, *8*(juLy). https://doi.org/10.1038/nrd2907

Li, Y. X., Himaya, S. W. A., & Kim, S. K. (2013). Triterpenoids of marine origin as anti-cancer agents. *Molecules*, *18*(7), 7886–7909. https://doi.org/10.3390/molecules18077886

Liu, K., Liu, P., Liu, R., & Wu, X. (2015). Dual AO / EB Staining to Detect Apoptosis in Osteosarcoma Cells Compared with Flow Cytometry. *Medical Science*, *21*, 15–20. https://doi.org/10.12659/MSMBR.893327

Machana, S., Weerapreeyakul, N., Barusrux, S., Thumanu, K., & Tanthanuch, W. (2012). Synergistic anticancer effect of the extracts from Polyalthia evecta caused apoptosis in human hepatoma (HepG2) cells. *Asian Pacific*

Journal of Tropical Biomedicine, *2*(8), 589–596. https://doi.org/10.1016/S2221-1691(12)60103-8

Malumbres, M., & Barbacid, M. (2007). Cell cycle kinases in cancer. *Current Opinion in Genentics & Development*, *17*, 60–65. https://doi.org/10.1016/j.gde.2006.12.008

Mitchell, R., Kumar, V., AK, A., & Fausto, N. (2008). *Buku Saku Dasar Patologis Penyakit Robbins and Cotran*. Penerbit Buku Kedokteran EGC.

Mulrane, L., Mcgee, S. F., Gallagher, W. M., Mulrane, L., Mcgee, S. F., Gallagher, W. M., & Connor, D. P. O. (2013). miRNA Dysregulation in Breast Cancer miRNA Dysregulation in Breast Cancer. *American Association for Cancer Research*. https://doi.org/10.1158/0008-5472.CAN-13-1841

Nafrialdi, G. S. (2012). *Farmakologi dan Terapi* (Edisi 5). Departemen Farmakologi dan Terapi Fakultas Kedokteran Universitas Indonesia.

Nursid, M. (2012). *Protokol Uji Sitotoksik Metode MTT*. Jakarta.

Nursid, M., Chasanah, E., Murwantoko, & Wahyouno, S. (2011). Isolation and Identification of Emestrin from Emericella nidulans and Investigation of Its Anticancer Properties. *Microbiology Indonesia*, *5*, 160–169. https://doi.org/10.5454/mi.5.4.3

Palozza, P., Serini, S., Maggiano, N., Tringali, G., Navarra, P., Ranelletti, F. O., & Calviello, G. (2005). Carotene Downregulates the Steady-State and Heregulin- –Induced COX-2 Pathways in Colon Cancer Cells. *Journal of Nutrition*, (July 2004), 129–136.

Pietkiewicz, S., Schmidt, J. H., & Lavrik, I. N. (2015). Quanti fi cation of apoptosis and necroptosis at the single cell level by a combination of Imaging Flow Cytometry with classical Annexin V / propidium iodide staining. *Journal of Immunological Methods*, *423*, 99–103. https://doi.org/10.1016/j.jim.2015.04.025

Putram, N. M., Setyaningsih, I., Tarman, K., & Nursid, M. (2017). Aktivitas Antikanker dari Fraksi Aktif Teripang. *JPHPI*, *20*, 53–62. https://doi.org/10.17844/jphpi.2017.20.1.53

Ramasamy, S., Wahab, N. A., & Abidin, N. Z. (2017). Effect of extracts from Phyllanthus watsonii Airy Shaw on cell apoptosis in cultured human breast cancer MCF-7 cells. *Experimental and Toxicologic Pathology*, *65*(3), 341–349. https://doi.org/10.1016/j.etp.2011.11.005

Reece, J. B., Urry, L. A., Cain, M. L., Wasserman, Steven A. Wasserman, P. V. M., & Jackson, R. B. (2010). *Campbell Biology* (9th ed.). San Francisco: Person Benjamin Cummings.

Ribble, D., Goldstein, N. B., Norris, D. A., & Shellman, Y. G. (2005). A simple technique for quantifying apoptosis in 96-well plates. *BMC Biotechnology*, *7*, 1–7. https://doi.org/10.1186/1472-6750-5-12

Saifudin, A. (2104). *Senyawa Alam Metabolit Sekunder Teori, Konsep, dan Teknik Pemurnian* (1st ed.). Yogyakarta: Deepublish.

Sak, K. (2012). Chemotherapy and Dietary Phytochemical Agents. *Chemotheraphy Research and Practice*, *2012*. https://doi.org/10.1155/2012/282570

Schafer, J., Lee, E., O'Regan, R., Yao, K., & Jordan, V. (2000). Rapid development of tamoxifen-stimulated mutant p53 breast tumors (T47D) in athymic mice. *Clin Cancer Res*, *6*, 4373–80.

Shapiro, G. I., & Harper, J. W. (2015). Anticancer drug targets : cell cycle and checkpoint control. *The Journal of Clinical Investigation*, *104*(12), 1645–1653. https://doi.org/http://dx.doi.org/10.1172/JCI9054

Silchenko, A. S., Stonik, V. A., Avilov, S. A., Kalinin, V. I., Kalinovsky, A. I., Zaharenko, A. M., … Cimino, G. (2005). Holothurins B 2 , B 3 , and B 4 , New Triterpene Glycosides from Mediterranean Sea Cucumbers of the Genus Holothuria. *Journal of Natural Products*, *68*, 564–567.

Siswandono, & Soekardjo, B. (1995). *Kimia Medisinal*. Surabaya: Universitas Airlangga.

Son, H. Le, & Anh, N. P. (2013). Phytochemical composition , in vitro antioxidant and anticancer activities of quercetin from methanol extract of Asparagus cochinchinensis (LOUR .) Merr . tuber. *Journal of Medical Plants Research*, *7*(46), 3360–3366. https://doi.org/10.5897/JMPR2013.5257

Sutejo, I. R., Putri, H., & Meiyanto, E. (2016). Selektivitas Ekstrak Etanolik Buah Makassar (Brucea javanica) pada Kanker Payudara Metastasis secara In Vitro The Selectivity of Ethanolic Extract of Buah Makassar (Brucea javanica) on In Vitro Study of Metastatic Breast Cancer. *Journal of Agromedicine and Medical Sciences*, *2*(1), 1–5.

Thomas, R. A., & Krishnakumari, D. S. (2015). Phytochemical quantification of primary and secondary metabolites of Myristica fragrans (H.) etanolic seed extract. *International Journal of Pharma and Bio Sciences*, *6*(1), 1046–1053.

Thorn, C. F., Oshiro, C., Marsh, S., Boussard, T. H., McLeod, H. L., Klein, T. E., & Altman, R. B. (2011). Doxorubicin pathways: pharmacodynamics and advers effect. *Pharmacogenet Genomics*, *21*(7), 440–446. https://doi.org/10.1097/FPC.0b013e32833ffb56.Doxorubicin

Torre, L. A., Bray, F., Siegel, R. L., Ferlay, J., Tieulent, J. L., & Jemal, A. (2015). Global Cancer Statistics , 2012. *Ca Cancer J Clin*, *65*(2), 87–108.

Trevigen. (2016). Apoptosis Detection by Flow Cytometry or In Situ labeling. Helgermen Ct. Gaithersburg: Trevigen Inc.

Usman, H. (2014). *Kimia Organik Bahan Alam Laut*. Makasar (Indonesia): Universitas Hasanuddin.

Wargastia, T. L., & Widodo. (2017). Mechanisms of cancer cell killing by sea cucumber-derived compounds. *Invest New Drugs*, *335*, 820–826. https://doi.org/10.1007/s10637-017-0505-5

WHO. (2009). *Global health risks : mortality and burden of disease attributable to selected major risk*. WHO Press.

WHO. (2018). WHO Cancer. Retrieved January 4, 2018, from http://www.who.int/news-room/fact-sheets/detail/cancer

Wondra, A. G., Lapornik, B., & Pros, M. (2005). Comparison of extracts prepared from plant by-products using different solvents and extraction time. *Journal of Food Engineering*, *71*, 214–222. https://doi.org/10.1016/j.jfoodeng.2004.10.036

Yano, T., Candela, S., & Li, M. (2006). Morphological and growth alterations in Vero cells transformed by cisplatin. *Cell Biology International*, *30*, 485–494. https://doi.org/10.1016/j.cellbi.2005.12.007

Yasumoto, T., Nakamura, K., & Hashimoto, Y. (2014). A New Saponin , Holothurin B , Isolated from Sea- Cucumber , Holothuria vagabunda and

Holothuria lubrica. *Agricultural and Biological Chemistry*, *1369*. https://doi.org/10.1080/00021369.1967.10858767

Zhang, S. Y., Yi, Y. H., & Tang, H. F. (2006). Bioactive triterpene glycosides from the sea cucumber Holothuria fuscocinerea. *Journal of Natural Products*, *69*(10), 1492–1495. https://doi.org/10.1021/np060106t

Zhao, Q., Xue, Y., Liu, Z., Li, H., Wang, J., Li, Z., … Xue, C. (2010). Differential Effects of Sulfated Triterpene Glycosides , Holothurin A 1 , and 24-Dehydroechinoside A , on Antimetastasic Activity via Regulation of the MMP-9 Signal Pathway. *Journal of Foof Sciences*, *75*(9), 280–288. https://doi.org/10.1111/j.1750-3841.2010.01837.x