DAFTAR PUSTAKA

Aisyah, A.N., Nur, S., Lukitaningsih, E., Rumiyati, R., Burhan, A., Adjara, S.M. and Rahim, K., 2020. Efek sitotoksik ekstrak dan fraksi umbi paku atai merah (*angiopteris ferox copel*) terhadap sel kanker payudara t47d. Jurnal Farmasi Galenika (Galenika Journal of Pharmacy)(e-Journal), 6(2): 319 – 327.

Akbarizare, M., Ofoghi, H. and Hadizadeh, M., 2019. In vitro anticancer evaluation of saponins obtained from *Spirulina platensis* on MDA, HepG2, and MCF7 cell lines. Multidisciplinary Cancer Investigation, 3(4): 25-32.

Ak, I. and Turker, G., 2018. Antioxidant activity of five seaweed extracts. New knowledge Journal of science, 7(2): 149-155.

Alhmoud, J.F., Woolley, J.F., Al Moustafa, A.E. and Malki, M.I., 2020. DNA damage/repair management in cancers. Cancers, 12(4):12-22

Arunkumar, K., Raja, R., Kumar, V.B., Joseph, A., Shilpa, T. and Carvalho, I.S., 2021. Antioxidant and cytotoxic activities of sulfated polysaccharides from five different edible seaweeds. Journal of Food Measurement and Characterization, 15(1): 567-576.

Basir, A., Ristyanti, W.K. and Tarman, K., 2020. Physical treatments to induce the antibacterial and antioxidant activities of green algae *Halimeda* sp. from Seribu Islands, North Jakarta, Indonesia. In IOP Conference Series: Earth and Environmental Science 414(1): 1-6

Bahuguna, A., Khan, I., Bajpai, V.K. and Kang, S.C., 2017. MTT assay to evaluate the cytotoxic potential of a drug. Bangladesh Journal of Pharmacology, 12(2): 115-118.

Baranovsky, A.V. and Litvinovskaya, R.P., 2019. C Nmr spectral characteristics of 15-substituted pregn-5-ene and androst-5-ene steroid compounds. Journal of Applied Spectroscopy, 86(5): 867-877.

Beesoo, R., Vidushi, N., Bhagooli, R., Bahorun, T., 2014. Apoptosis inducing lead compounds isolated from marine organisms of potential relevance in cancer treatment. Journal of Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis 768: 84-97

Cohen, P.A., Jhingran, A., Oaknin, A. and Denny, L., 2019. Cervical cancer. The Lancet, 393(10167): 169-182.

D'Arcy, M.S., 2019. Cell death: a review of the major forms of apoptosis, necrosis and autophagy. Cell biology international, 43(6): 582-592.

El-Shaibany, A., Al-Habori, M., Al-Maqtari, T. and Al-Mahbashi, H., 2020. The Yemeni brown algae *Dictyota dichotoma* exhibit high in vitro anticancer activity independent of its antioxidant capability. BioMed Research International, 2020.

Elangovan, M. and Anantharaman P. 2019. Nutritional composition and phytochemistry profile of seaweeds collected from Rameshwaram Coast. International Journal of Scientific & Technology Research 8, (11): 3137-3140.

Erniati, E., Syahrial, S., Imanullah, I., Erlangga, E., Nurul'Akla, C.M., Shobara, W., Nasuha, J., Ritonga, G.H., Daulay, A.M., Romansah, H. and Amni, I., 2022. Rumput laut yang tumbuh alami di pantai barat Pulau Simeulue, Aceh Indonesia: faktor lingkungan dan variasi geografik. Jurnal Kelautan Tropis, 25(1):29-38.

Diansyah, S., Kusumawati, I. And Hardinata, F., 2018. Inventarisasi jenis-jenis makroalga di pantai Lhok Bubon Kecamatan Samatiga Kabupaten Aceh Barat. Jurnal Perikanan Tropis, 5(1): 93-103.

Diningrat, D.S., Sari, A.N. and Harahap, N.S., 2021. Antiviral potential analysis of jamblang seed essential oil (*Syzygium cumini*) using GC-MS. Kalwedo Sains, 2(2): 95-105.

Dodia, D.A., Patel, I.S. and Patel, G.M., 2010. Botanical pesticides for pest management. Scientific Publishers.

Febrianti, D., Sari, A. K., dan Fikri, M. 2019. Pengukuran rendemen dan identifikasi senyawa metabolit sekunder pada ekstrak daun terap (*Artocarpus odoratissimus Blanco*) dengan variasi pelarut. Jurnal Insan Farmasi Indonesia, 2(2):231-240.

Febrina, I., Maryono, S. and Purwanto, B., 2018. Pengaruh ekstrak propolis terhadap ekspresi cyclin D1 dan Bax pada Sel HeLa. Biomedika, 10(1): 51-58.

Gazali, M. and Nurdin, M., 2017. Biodiversity of marine macroalgae in the intertidal zone of Lhok Bubon Beach, West Aceh, Aceh Province. In Prosiding 4th Internatonal Marine and Fisheries Symposium.

Gazali, M., Syafitri, R., Zuriat, Z., Maifizar, A. and Muzakkir, M., 2021. Sosialisasi pengenalan potensi laut alga cokelat *Sargassum* sp. sebagai pengawet alami mie Aceh kepada masyarakat. Jurnal Pengabdian Masyarakat: Darma Bakti Teuku Umar, 2(2): 278-287.

Griffiths, M., Harrison, S.T., Smit, M. and Maharajh, D., 2016. Major commercial products from micro-and macroalgae. In Algae biotechnology. 269-300). Springer, Cham.

Hajdari, A., Giorgi, A., Beretta, G., Gelmini, F., Buratti, S., Benedetti, S., Merkouri, A., Mala, X., Kabashi, S., Pentimalli, D. and Pulaj, B., 2018. Phytochemical and sensorial characterization of *Hyssopus officinalis* subspecies aristatus (godr.) Nyman (Lamiaceae) by GC–MS, HPLC–UV–DAD, spectrophotometric assays and e-nose with aid of chemometric techniques. European Food Research and Technology, 244(7):1313-1327.

Haq, S.H., Al-Ruwaished, G., Al-Mutlaq, M.A., Naji, S.A., Al-Mogren, M., Al-Rashed, S., Ain, Q.T., Al-Amro, A.A. and Al-Mussallam, A., 2019. Antioxidant, anticancer activity and phytochemical analysis of green algae, *Chaetomorpha* sp.

collected from the Arabian Gulf. Scientific reports, 9(1): 1-7.

Hayat, J., Akodad, M., Moumen, A., Baghour, M., Skalli, A., Ezrari, S. and Belmalha, S., 2020. Phytochemical screening, polyphenols, flavonoids and tannin content, antioxidant activities and FTIR characterization of *Marrubium vulgare L.* from 2 different localities of Northeast of Morocco. Heliyon, 6(11):05609.

Hendri, M.H. and Delini, O.L., 2020. Potential Bioactive Compound Seaweed *Halimeda tuna* and *Halimeda macroloba* as Antioxidant and Phytochemical Screening of Active Seaweed Extracts from Maspari Island. International Journal of Marine Science, 10: 1-7

Hopley, D. 2011. Encyclopedia of Modern Coral Reefs: Structure, Form and Process. Townsville: Springer Dordrecht

Hopp, N., Hagen, J., Aggeler, B. and Kalyuzhny, A.E., 2017. Express γ-H2AX immunocytochemical detection of DNA damage. In Fast Detection of DNA Damage. Humana Press, New York, NY. 1644:123-128

Horn, L., Pao, W., and Johnson, D. H. (2012). "Neoplasms of the lung, Chapter 89," in Harrisons Principles of Internal Medicine, 18th Edn., eds D. L. Longo, D. L. Kasper, J. L. Jamson, A. S. Fauci, S. L. Hauser, and J. Loscalzo (New York, NY: MacGraw-Hill).

Husni, A. and Budhiyanti, S.A., 2021. Rumput Laut Sebagai Sumber Pangan, Kesehatan dan Kosmetik. Yogyakarta: UGM PRESS.

Husni, A., Pamungkas, B., Sinurat, E., & Isnansetyo, A. 2021. Characteristics and cytotoxic activity of fucoidan from the brown seaweed *Sargassum hystrix* against MCF-7 breast cancer cells. Trop J Nat Prod Res, March 2021; 5(3):564-569

Ibrahim, N. and Kebede, A., 2020. In vitro antibacterial activities of methanol and aqueous leave extracts of selected medicinal plants against human pathogenic bacteria. Saudi Journal of Biological Sciences, 27(9):2261-2268.

Ikke, S., Nuria, M.C. and Puspitasari, A.D., 2018. Perbandingan kadar flavonoid dan fenolik total ekstrak metanol daun beluntas (*Pluchea indica L.*) pada berbagai metode ekstraksi. Jurnal Inovasi Teknik Kimia, 3(1):31-36.

Ilhamy, F.Y., Wahyuni, F.S. and Husni, E., 2013. Uji efek sitotoksik hasil fraksinasi ekstrak etanol akar asam kandis (*Garcinia Cowa Roxb*.) terhadap sel kanker payudara T47D dengan metode MTT. Pelayanan Kefarmasian Dan Herbal Medicine, 71-87

Imran, M., Rauf, A., Abu-Izneid, T., Nadeem, M., Shariati, M.A., Khan, I.A., Imran, A., Orhan, I.E., Rizwan, M., Atif, M. and Gondal, T.A., 2019. Luteolin, a flavonoid, as an anticancer agent: A review. Biomedicine & Pharmacotherapy, (112):108612.

Ira, I., Rahmadani, R. and Irawati, N., 2018. Komposisi jenis makroalga di perairan Pulau Hari Sulawesi Tenggara (spesies composition of makroalga in Hari Island, South

East Sulawesi). Jurnal Biologi Tropis, 18(2): 141-148.

Junairiah, J., Amalia, N.S., Manuhara, Y.S.W. and Sulistyorini, L., 2019. Pengaruh variasi zat pengatur tumbuh iaa, bap, kinetin terhadap metabolit sekunder kalus sirih hitam (*Piper betle L.* var nigra). Jurnal Kimia Riset, 4(2): 121-132.

Jonathan, B.S. and Natarajan, S., 2007. Ovarian and Fallopian Tube Cancer. Berek and Novak Gynecology. 14th ed. California: Lippineoff Williams & Wilkins.

Khristian, E., dan Inderiati, D. 2017. Sitohistoteknologi. Jakarta: KEMENKES RI. Pusat Pendidikiaan SDM Kesehatan.

Kim, J.A., C.S. Kong, and S.K. Kim. 2010. Effect of *Sargassum thunbergii* on ROS mediated oxidative damage and identification of polyunsaturated fatty acid components. Food and Chemical Toxicology. 48: 1243-1249.

Kopustinskiene, D.M., Jakstas, V., Savickas, A. and Bernatoniene, J., 2020. Flavonoids as anticancer agents. Nutrients, 12(2):457.

Kumar, A., Bidyapani, T., Digvijay, S., Sharma, N.R. and Mohan, A., 2017. Study of phytochemical compositions of leaves extracts of *Phlogacanthus thyrsiformis*, its antibacterial and silver nanoparticle derived cell cytotoxicity on HeLa cell line. J Pharm Res, 11(12): 1513-17.

Kunle, O.F. and Egharevba, H.O., 2013. Chemical constituents and biological activity of medicinal plants used for the management of sickle cell disease-A review. Journal of Medicinal Plants Research, 7(48), pp.3452-3476.

Kurniawati, A., 2019. Pengaruh jenis pelarut pada proses ekstraksi bunga mawar dengan metode maserasi sebagai aroma parfum. Journal of Creativity Student, 2(2): 74-83.

Kusumaningrum, H. and Zainuri, M., 2018. Improvement of nutrition production by protoplast fusion techniques in *Chlorella vulgaris*. Journal of Food Processing & Technology, 9(01):1-5.

Lee, R. (2008). Phycology (4th ed.). Cambridge: Cambridge University Press. doi:10.1017/CBO9780511812897

Loori, M., Sourinejad, I. and Nazemi, M., 2021. Identification and investigation of antibacterial effects of steroidal fraction from the marine sponge *Axinella sinoxea* Alvarez & Hooper, 2009 in Larak island, the Persian Gulf. Fisheries Science and Technology, 10(2): 164-172.

Lubis, D.O. and Hendri, M., 2020. Potential bioactive compound from *Halimeda tuna* and *Halimeda macroloba* as antioxidant and phytochemical screening of active seaweed extracts from Maspari Island. Marine Science International Journal, 10.

Lusiantika, L. A., Widowati, E.W. and Adihimawati, M., 2019. Penentuan aktivitas antikanker fraksi etil asetat daun bandotan (*Ageratum conyzoides linn*.) Terhadap

Cell Line Kanker Kolon WiDr. ALKIMIA: Jurnal Ilmu Kimia dan Terapan, 3(2): 33-40.

Manongko, P.S., Sangi, M.S. and Momuat, L.I., 2020. Uji senyawa fitokimia dan aktivitas antioksidan tanaman patah tulang (*Euphorbia tirucalli L*.). Jurnal Mipa, 9(2): 64-69.

Mayasri, A., 2021. Potensi beberapa jenis rumput laut di Aceh (studi kasus skrining fitokimia dan aktivitas antioksidan). Lantanida Journal, 9(1):83-92

Milović, S., Kundaković, T., Mačić, V.E.S.N.A., Stanković, J.A., Grozdanić, N.A.Đ.A., Đuričić, I., Stanković, I. and Stanojković, T., 2017. Anti α-glucosidase, antitumour, antioxidative, antimicrobial activity, nutritive and health protective potential of some seaweeds from the Adriatic coast of Montenegro. Farmacia, 65(5): 731-740.

Milović, S., Stanković, I., Nikolić, D., Radović, J., Kolundžić, M., Nikolić, V., Stanojković, T., Petović, S. and Kundaković-Vasović, T., 2019. Chemical analysis of selected seaweeds and seagrass from the Adriatic Coast of Montenegro. Chemistry & Biodiversity, 16(10):1900327.

Mor, G. and Alvero, A. eds., 2007. Apoptosis and cancer: methods and protocols (Vol. 414). Springer Science & Business Media.

Murti, H., Boediono, S.B. and Sandra, F., 2007. Regulasi Siklus Sel: Kunci Sukses Somatic Cell Nuclear Transfer. Cdk, 159: 312-6.

Muzaki, A.F., Setyati, W.A., Subagiyo, P.R. and Pramesti, R., 2018. Aktivitas antioksidan ekstrak rumput laut *Halimeda macroloba* dari Pantai Teluk Awur, Jepara, Jawa Tengah. Jurnal Enggano, 3(2):144-145.

National Cancer Institute. (2022). Taking time: Support for people with cancer (NIH Publication No. 18-2059). U.S. Department of Health and Human Services, National Institutes of Health. https://training.seer.cancer.gov/treatment/chemotherapy/types.html

National Center for Biotechnology Information. 2022. PubChem compound summary. Retrieved May 27, 2022 from https://pubchem.ncbi.nlm.nih.gov/compound

Nasrudin, Wahyono, Mustofa, dan Ratna A.S. 2017. Isolasi senyawa steroid dari kulit akar senggugu (*Clerodendrum serratum L.Moon*). Pharmacon Jurnal Ilmiah Farmasi. 6(3): 332-340.

Nazarudin, M.F., Isha, A., Mastuki, S.N., Ain, N.M., Mohd Ikhsan, N.F., Abidin, A.Z. and Aliyu-Paiko, M., 2020. Chemical composition and evaluation of the α-glucosidase inhibitory and cytotoxic properties of marine algae *Ulva intestinalis*, *Halimeda macroloba*, and *Sargassum ilicifolium*. Evidence-Based Complementary and Alternative Medicine.

Nazarudin, M.F., Yasin, I.S.M., Mazli, N.A.I.N., Saadi, A.R., Azizee, M.H.S., Nooraini,

M.A., Saad, N., Ferdous, U.T. and Fakhrulddin, I.M., 2022. Preliminary screening of antioxidant and cytotoxic potential of green seaweed, *Halimeda opuntia* and *Linnaeus lamouroux*. Saudi Journal of Biological Sciences, 29(4):2698-2705.

Nekooei, M., Shafiee, S.M., Zahiri, M., Maryamabadi, A. and Nabipour, I., 2021. The methanol extract of red algae, *Dichotomaria obtusata*, from Persian Gulf promotes in vitro osteogenic differentiation of bone marrow mesenchymal stem cells; a biological and phytochemical study. Journal of Pharmacy and Pharmacology, 73(3):347-356.

Nome, W., Salosso, Y. and Eoh, C.B., 2019. Analisis metabolit sekunder dan kandungan nutrisi dari makroalga hijau (Chlorophyceae) di Perairan Teluk Kupang. Jurnal Aquatik, 2(1): 100-112.

Nugrahaningsih, D.A.A., Astuti, I. and Sholikhah, E., 2009. Uji sitotoksisitas berbagai ekstrak dan fraksi propolis terhadap sel hela dan MCF-7 serta efeknya terhadap apoptosis dan gen P53 (Doctoral dissertation, [Yogyakarta]: Universitas Gadjah Mada).

Nur, E.E., Ali L.I., Fadul E. and Mohamed l.E. 2020. Antioxidant, Antibacterial and Cyto from the Red. International Research Journal of Biological Sciences Vol. 10(1), 1-11

O'Sullivan, L., Murphy, B., McLoughlin, P., Duggan, P., Lawlor, P.G., Hughes, H. and Gardiner, G.E., 2010. Prebiotics from marine macroalgae for human and animal health applications. Marine drugs 8(7): 2038-2064.

Omar, H., Al-Judaibiand, A. and El-Gendy, A., 2018. Antimicrobial, antioxidant, anticancer activity and phytochemical analysis of the red alga, *Laurencia papillosa*. International Journal of Pharmacology, 14(4): 572-583.

Oreopoulou, A., Tsimogiannis, D. and Oreopoulou, V., 2019. Extraction of polyphenols from aromatic and medicinal plants: an overview of the methods and the effect of extraction parameters. Polyphenols in plants. 15:243-259.

Orno, T.G. and Rantesalu, A., 2020. Invitro citotoxicity assays of seagrass (*Enhalus acoroides*) metanol extract from Soropia Coastal Waters Southeast Sulawesi Regency. Indonesian Journal of Medical Laboratory Science and Technology, 2(1): 27-33.

Pant, B., 2014. Application of plant cell and tissue culture for the production of phytochemicals in medicinal plants. In Infectious diseases and nanomedicine II (25-39). Springer, New Delhi.

Papitha, R., Selvaraj, C.I., Palanichamy, V., Arunachalam, P. and Roopan, S.M., 2020. In vitro antioxidant and cytotoxic capacity of *Kappaphycus alvarezii* successive extracts. Curr. Sci, 119: 790-798.

Pereira, L. and Neto, J.M. eds., 2014. Marine Algae: Biodiversity, Taxonomy, Environmental Assessment, and Biotechnology. CRC Press.

Prabakaran, G., Sampathkumar, P., Kavisri, M. and Moovendhan, M., 2020. Extraction and characterization of phycocyanin from *Spirulina platensis* and evaluation of its anticancer, antidiabetic and antiinflammatory effect. International journal of biological macromolecules, 153:256-263.

Prado, M.R.M., Boller, C., Zibetti, R.G.M., de Souza, D., Pedroso, L.L. and Soccol, C.R., 2016. Anti-inflammatory and angiogenic activity of polysaccharide extract obtained from Tibetan kefir. Microvascular research, 108: 29-33.

Putri, A.D. and Winata, I.P., 2019. Pengaruh pemberian ekstrak *Spirulina* terhadap antikanker. Jurnal Penelitian Perawat Profesional, 1(1):103-108.

Rahardhian, M.R.R. and Utami, D., 2018. Uji sitotoksik dan antiproliferasi ekstrak eter daun binahong (*Andredera cordifolia* (Tenore) Steen.) terhadap sel HeLa. Media Farmasi Indonesia, 13(1):84-92

Rajoka, M.S.R., Zhao, H., Lu, Y., Lian, Z., Li, N., Hussain, N., Shao, D., Jin, M., Li, Q. and Shi, J., 2018. Anticancer potential against cervix cancer (HeLa) cell line of probiotic *Lactobacillus casei* and *Lactobacillus paracasei* strains isolated from human breast milk. Food & function, 9(5): 2705-2715.

Ranahewa, T.H., Premarathna, A.D., Wijesundara, R.M.K.K., Wijewardana, V., Jayasooriya, A.P. and Rajapakse, R.P.V.J., 2019. Biochemical composition and anticancer effect of different seaweed species (in-vitro and in-vivo studies). Sustainable Marine Structures 1(2):5-11

Robinson, T. 2005. Kandungan Organik Tumbuhan Tinggi. Edisi keenam. Terjemahan Padmawinata K. Penerbit ITB. Bandung.

Rukisah, R., Maulianawati, D. and Cahyadi, J., 2019. In vitro antibacterial efficacy of leaves extract of *Centela asiatica* against *Vibrio harveyi* and *Aeromonas hydrophila*. Indonesian Aquaculture Journal, 14(2): 69-74.

Safitri, R.A., Saptarini, O. and Sunarni, T., 2020. Uji aktivitas sitotoksik, ekspresi p53, dan Bcl-2 dari ekstrak fraksi herba kelakai (*Stenochleana palustris* (Burm. F.) Bedd.) terhadap sel kanker payudara T47D. Jurnal Biotek Medisiana Indonesia, 9(2): 113-127.Sankeshwari, R.M., Ankola, A.V., Bhat, K. and Hullatti, K., 2018. Soxhlet versus cold maceration: Which method gives better antimicrobial activity to licorice extract against Streptococcus mutans. Journal of the Scientific Society, 45(2): 67.

Salleh, S.N.S.M., Farooqui, M., Gnanasan, S. and Karuppannan, M., 2021. Use of complementary and alternative medicines (CAM) among Malaysian cancer patients for the management of chemotherapy related side effects (CRSE). Journal of Complementary and Integrative Medicine, 18(4):805-812.

Sanger, G., Rarung, L.K., Wonggo, D., Dotulong, V., Damongilala, L.J. and Tallei, T.E., 2021. Cytotoxic activity of seaweeds from North Sulawesi marine waters against cervical cancer. J. Appl. Pharm. Science. 11:66-73.

Sari, G.N.F. and Rejeki, E.S., 2021. Uji sitotoksik ekstrak etanol daun stevia (*Stevia rebaudiana Bertoni*) pada Kultur Sel Hela. Jurnal Farmasi Indonesia, 18(2): 189-199.

Selim, S.A., 2012. Antimicrobial, antiplasmid and cytotoxicity potentials of marine algae *Halimeda opuntia* And *Sarconema filiforme* collected from Red Sea Coast. World Academy of Science, Engineering and Technology, 61: 1154-1159.

Shafay, S.E., El-Sheekh, M., Bases, E. and El-Shenody, R., 2021. Antioxidant, antidiabetic, anti-inflammatory and anticancer potential of some seaweed extracts. Food Science and Technology, 42.

Siegel, R.L., Miller, K.D. and Jemal, A., 2016. Cancer statistics, 2016. CA: A Cancer Journal for Clinicians, 66(1):7-30.

Siegel RL, Miller KD, Fuchs HE, Jemal A. Cancer statistics, 2022. CA Cancer J Clin. 72(1):7-33.

Simanjuntak, L.E., Ekstraksi simplisia daun senggani (*Melastoma malabathricum L.*) menggunakan pelarut metanol. Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN, 4(1).

Singh, S., Sharma, B., Kanwar, S.S. and Kumar, A., 2016. Lead phytochemicals for anticancer drug development. Frontiers in plant science, (7): 1667.

Singla, R.K. and Dubey, A.K., 2019. Phytochemical profiling, GC-MS analysis and α-amylase inhibitory potential of ethanolic extract of *Cocos nucifera Linn*. Endocarp. Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders), 19(4):419-442.

Sjafaraenan, S., Johannes, E. and Wulandari, S.N., 2019. pengaruh interval dosis 2, 44-19, 53 µg/ml ekstrak n-heksana dari hydroid *Aglaophenia cupressina Lamoureoux* terhadap aktivitas pertumbuhan sel HeLa. Bioma: Jurnal Biologi Makassar, 4(1): 11-19.

Subagio, S. and Kasim, M.S.H., 2019. Identifikasi rumput laut (seaweed) di perairan Pantai Cemara, Jerowaru Lombok Timur sebagai bahan informasi keanekaragaman hayati bagi masyarakat. JISIP (Jurnal Ilmu Sosial dan Pendidikan), 3(1):308-321.

Suganya, S., Dhanalakshmi, B., Dinesh Kumar, S. and Santhanam, P., 2020. Cytotoxic effect of silver nanoparticles synthesized from *Sargassum wightii* on cervical cancer cell line. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, 90(4):811-818.

Sukardja, I. D.G. 2000. Onkologi Klinik Edisi II. Surabaya. Airlangga University Press.

Sumitro, S.B., Widyarti, S. and Permana, S., 2017. Biologi Sel. Universitas Brawijaya Press.

Sulistyowati, D., Wibowo, D.C. and Ardiansyah, H.D., 2021. Interpretasi fungsi tembikar dari sektor abh kawasan percandian muarajambi berdasarkan analisis residu dengan menggunakan metode gas chromatography-mass spectrometry (GC/MS). AMERTA, 39(1): 35-50.

Syahrir, M., 2012. tingkat selektivitas, faktor kapasitas, jumlah pelat teoritik dan waktu retensi analisis PAH dengan GC-FID menggunakan kolom RTX-5-MS dan kolom CP-Sil 8 CB. Chemica: Jurnal Ilmiah Kimia dan Pendidikan Kimia, 13(2):59-66.

Taupik, M., Djuwarno, E.N., Hiola, F. and Suryadi, A.M.T.A., 2022. Evaluasi kemampuan tabir surya ekstrak biji jagung (*Zea mays L*.) secara in vitro menggunakan metode spektrofotometri UV-Vis. Journal Syifa Sciences and Clinical Research, 4(1): 284-292.

Tianandari, F. and Rasidah, R., 2017. Uji sitotoksik ekstrak etanol buah ketumbar (*Coriandrum Sativum Linn*) terhadap *Artemia salina Leach* dengan metode brine shrimp lethality test (BSLT). AcTion: Aceh Nutrition Journal, 2(2): 86-90.

Utami, P.I., Rahayu, W.S., Nugraha, I. and Rochana, A.N., 2018. Fatty acid analysis of lipid extracted from rats by gas chromatography-mass spectrometry method. In IOP Conference Series: Materials Science and Engineering 288(1): 012115). IOP Publishing.

Viret, C., Rozières, A. and Faure, M., 2018. Autophagy during early virus–host cell interactions. Journal of Molecular Biology, 430(12): 1696-1713.

Wahyuni, F.S., Firnando, E. And Husni, E., 2013. Kajian efek sitotoksik hasil fraksinasi ekstrak etanol kulit buah asam kandis (*Garcinia cowa Roxb*.) terhadap sel kanker payudara T47D dengan metoda microtetrazolium (MTT). Pelayanan Kefarmasian Dan Herbal Medicine, 3:78-85.

Widowati, R., Handayani, S., Rahayu, I.L. and Antara, N.Y., 2021. Turnitin Jurnal: Antibacterial activity of methanol extract of *Gracilaria Salicornia*, *Halimeda gracilis*, *Halimeda macroloba*, and *Hypnea Asperi* from Indonesia. International Journal of Advance and Technology, 129:67-80.

Widyanto, R.M., Putri, J.A., Rahmi, Y., Proborini, W.D. and Utomo, B., 2020. Aktivitas antioksidan dan sitotoksisitas in vitro ekstrak metanol buah nanas (*Ananas comosus*) pada sel kanker payudara T47D. Jurnal Pangan dan Agroindustri, 8(2): 95-103.

Yabalak, E., Ibrahim, F., Eliuz, E.A.E., Everest, A. and Gizir, A.M., 2020. Evaluation of chemical composition, trace element content, antioxidant and antimicrobial activities of *Verbascum pseudoholotrichum*. Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology. 1-10.

Yang, Y.Q., Yang, M., Li, M.H., Jia, Y., Zhang, D.T. and Zhou, E.X., 2011. Isolation and characterization of a phytotoxin from *Rhizoctonia solani*: the causal agent of rice sheath blight. Asian Journal of Chemistry, 23(8): 3500-3508.

Yildirim, I. and Kutlu, T., 2015. Anticancer Agents: Saponin and Tannin. International Journal of Biological Chemistry 9 (6): 332-340

Yulianto, A., Hanifah, N.I.A.U., Setiaputri, A.A., Hambar, N., Wasisto, A.C.A., Fabella, N., Mustafa, M., Fajri, M.N. and Nurjanah, A.A., karakterisasi komponen kimia dan screening fitokimia *Halimeda macroloba* dari Perairan Jakarta.

Zamrud, M., Ndobe, S. and Laapo, A., 2019. Diagnosis dan patologi infeksi bakteri *Vibrio* sp. pada ikan kardinal bangggai (*Pterapogon kauderni*). Mitra Sains, 7(2): 150-160.

Zhang, D.L., Feng, Y.H., Liang, Z.Y., Lin, Q. and Xu, J., 2012. Chemical Composition of essential oil from fruit of *Ficus altissima*. In Advanced Materials Research (Vol. 554: 1125-1128). Trans Tech Publications Ltd.