DAFTAR PUSTAKA

Abrahamse, H. dan Hamblin, M. R. (2016). New Photosensitizers for Photodynamic Therapy. *Biochem. J*. 473: 347–364.

Abdel-Hameed E. -S. S., Bazaid S.A., Shohayeb M. M., El-Sayed M. M. and El-Walkil E. A. 2012. Phytochemical Studies and Evaluation of Antioxidant , Anticancer and Antimicrobial Properties of Conocarpus erectus L . Growing in Taif. Saudi Arabia. *European Journal of Medicinal Plants*. 2 (2), 93–112.

Aslanturk, O. S. (2018). *Invitro Cytotoxiciy and Cell Viability Assays: Principles, Adventages and Disventages*, Lisence Intecopen.

Asriani, A. 2019. *Karakteristik Fisikokimia Senyawa Phthalocyanine Untuk terapi Kanker Secara Fotodinamik*. Skripsi. Purwokerto. Fakultas Farmasi, Universitas Muhammadiyah purwokerto.

Bonnett, R. (2000). *Chemical Aspect of Photodynamic Therapy*. London: Gordon and Breach Publishers.

Burdall, E. S., Hanby M. A., Lansdown, R. J. M., dan Speirs, V. (2003). Breast Cancer Cell Line. *Breast Cancer Res*., Volume 5(2): 89-95.

Canlıca, M., Booysen, I. N., Nyokong, T. (2011). Syntheses, Electrochemical and Spectroelectrochemical Properties of Novel Ball-type and Mononuclear Co(II) Phthalocyanines Substituted at the Peripheral and Non-peripheral Positions with binaphthol groups. *J.Poly*. Volume 7: 508-514.

Dachriyanus. (2004). *Analisis Struktur Senyawa Organik Secara Spektroskopi*. Padang: Lembaga Pengembangan Teknologi dan Komunikasi (LPTIK) Universitas Andalas.

El-Nahass, M. M., Farag, A. A. M., Atta, A. A., (2009). Influence of Heat Treatment and Gamma-rays Irradiation on the Structural and Optical Characterizations of Nano-crystalline cobalt phthalocyanine thin films. *Synth. Met*. Volume 7 (6): 589-594.

Fitriatuzzakiyyah, N. dan Sinuraya, R.K., Departemen Farmakologi dan Farmasi Klinik, Fakultas Farmasi, Universitas Padjadjaran, Sumedang, Indonesia, Puspitasari, I.M., Departemen Farmakologi dan Farmasi Klinik, Fakultas

Farmasi, Universitas Padjadjaran, Sumedang, Indonesia. (2017). Cancer Therapy with Radiation: The Basic Concept of Radiotherapy and Its Development in Indonesia. *Indones. J. Clin. Pharm*. Volume 6: 311–320.

Hasanah, T., 2019. *Karakteristik Fisikokimia Senyawa Cobalt (II) Phthalocyanine Untuk Terapi Kanker Secara Fotodinamik*. Skripsi. Purwokerto. Fakultas Farmasi, Universitas Muhammadiyah Purwokerto.

Jiang, X. -J., Yeung, S. -L., Lo, P. -C., Fong, W.-P., Ng, D.K.P., (2011). Phthalocyanine−Polyamine Conjugates as Highly Efficient Photosensitizers for Photodynamic Therapy. *J. Med. Chem*. Volume 54 (1): 320–330.

Kemenkes RI. 2014. *JKN Menjamin Pemeriksaan Deteksi Dini Kanker Leher Rahim dan Kanker Payudara*. Available: http://www.depkes.go.id/article/view/2014270003/jkn-menjamin-pemeriksaan-deteksi-dini-kanker-leher-rahim-dan-payudara.html (Accessed: Februari 02, 2015).

Kemenkes RI. 2015. *Situasi Penyakit Kanker*. Available: http://www.depkes.go.id/article/view/15021800011/situasi-penyakit-kanker.html (Accessed: Maret 11, 2015).

Kim, S. (2015). *Handbook of Anticancer Drugs from Marine Origin.* Switzerland: Spinger International Publishing.

Kitagawa, S. (2006). Inhibitory Effects of Polyphenols on P-Glycoprotein Mediated Transport. *Biological and Pharmaceutical Bulletin*. Volume 29(1): 1-6.

Gabbiani, C. (2008). *Protein as Possible Targets for Antitumor Metal Complexes: Biophysical Studies of Their Interaction*. Firenze: Firenze University Press

Kwiatkowski, S., Knap, B., Przystupski, D., Saczko, J., Kędzierska, E., Knap-Czop, K., Kotlińska, J., Michel, O., Kotowski, K., Kulbacka, J., 2018. Photodynamic therapy – mechanisms, photosensitizers and combinations. *Biomed. Pharmacother*. 106, 1098–1107.

Maiya, B.G., 2000. Photodynamic Therapy (PDT): 2. Old and New Photosensitizers. *Resonance* .Volume: 5, 15–29.

Moret, F. dan Reddi, E. (2017). Strategies for optimizing the delivery to tumors of macrocyclic photosensitizers used in photodynamic therapy (PDT).*J. Porphyr. Phthalocyanines.* Volume 21: 239–256.

Mustofa, A. J., 2015, *Karakteristik Fisikokimia Senyawa Meso-Tetraphenylporphine (MTPP) dan Meso-tetraphenylchlorin (MTPC) untuk Terapi Kanker Secara Fotodinamik.* Skripsi. Purwokerto. Fakultas Farmasi, Universitas Muhammadiyah Purwokerto.

Notoatmodjo, Soekidjo. (2012). *Metodologi Penelitian Kesehatan*. Edisi ke II. Jakarta: Rineka Cipta.

Pollard, J., Curtin, N. (2018). *Targeting the DNA Damage Response for Anti-Cancer Therapy*. Switzerland: Humana Press.

Pebriana, R. B., Wardhani, B. W. K., Widayanti, E., Wijayanti, N. L. S., Wijayanti, T. R., Riyanto, S., (2008). Pengaruh Ekstrak Etanolik Daun Kenikir (*Cosmos Caudatus* Kunth.) Terhadap Pemacuan Apoptosis Sel Kanker Payudara. *Pharmacon.* Volume 9 (6).

Rasjidi, Imam. (2010). *Epidemiologi Kanker pada Wanita*. Edisi I. Jakarta : Sagung Seto.

Sakamoto, K. dan Ohno-Okumura, E. (2009). Syntheses and Functional Properties of Phthalocyanines. *Materials.*Volume 2: 1127–1179.

Santosa, V. dan Limantara, L. (2010). Photodynamic Therapy: New Light in Medicine World. *Indones. J. Chem*. 8, 279–291.

Sari, R. N. 2019. *Karakteristik Fisikokimia Senyawa Magnesium Phthalocyanine Untuk Terapi Kanker Secara Fotodinamik*. Skripsi. Purwokerto. Fakultas Farmasi, Universitas Muhammadiyah Purwokerto.

Sari, S.E., Harahap, W.A., Saputra, D., 2018. *Pengaruh Faktor Risiko Terhadap Ekspresi Reseptor Estrogen pada Penderita Kanker Payudara di Kota Padang* 7, 8.

R. E. Duval, I. Clarot, F. Dumarcay-Charbonnier, S. Fontanay, A. Marsura., 2012. Interest of Design Cyclodextrin-tools in Gene Delivery. *J. Pharma*. Volume 60: 360-369.

Severin, S. E., Posypanova, G. A., Katukov, V. Y., Shmyrev, I. I., Luzhkov, Y. M., Gerasimova, G. K., Zhukova, O. S., Vorozhtsov, G. N., Kaliya, O.L.,

Lukyanets, E. A., Severin, E. S., 1997. *Antitumor Activity of Conjugates of the Oncofetal Protein Alpha-fetoprotein and Phthalocyanines in vitro* 43, 9.

Singh, P. dan Ravindra, N.M. (2010). Optical Properties of Metal Phthalocyanines. *J. Mater. Sci.* Volume 45: 4013–4020.

Sobotta, L., Wierzchowski, M., Mierzwicki, M., Persoons, L., Goslinski, T., Balzarini, J. (2016). Photochemical studies and nanomolar photodynamic activities of phthalocyanines functionalized with 1,4,7-trioxanonyl moieties at their non-peripheral positions. *J. Inorg. Biochem* Volume 6: 76-81.

Staicu, A., Pascu, A., Nuta, A., Sorescu, A., Raditoiu, V., Pascu, M.L., 2013. *Studies About Phthalocyanine Photosensitizers to be Used in Photodynamic Therapy*. 03 65, 21.

Tedesco, A. C., Rotta, J. C. G., Lunardi, C. N., 2003. *Synthesis, Photophysical and Photochemical Aspects of Phthalocyanines for Photodynamic Therapy* Volume 7: 187-196.

Tjahjono, D.H., 2006. *Porphyrin Structure-based Molecules for Photodynamic Therapy of Cancer*. 1 31, 12.

Wiley, J., and Sons, Inc. (2004). *UICC Manual of Clinical Oncology*. 8th Edition. Raphel E. Pollock., Editor; James et al.,; associate editors. Hoboken, New Jersey: Permissions Departement.

Zain, H., Tedjo, A., 2007. *Karakteristik Sifat Autofluoresensi Jaringan Adenokarsinoma Menggunakan Metode Analisis Multieksitasi* 11, 7.

Zhang, J., Jiang, C., Figueiró Longo, J. P., Azevedo, R. B., Zhang, H., Muehlmann, L. A., 2018. An Updated Overview on the Development of New Photosensitizers for Anticancer Photodynamic Therapy. *Acta Pharm. Sin. B.* Volume 8: 137–146.