

DAFTAR PUSTAKA

- Anonim, 1995, *Medicinal Herb Index in Indonesia*, Edisi II, PT Eisai Indonesia, Jakarta.
- Anonim, 2013, The Global Biodiversity Information Facility: GBIF Backbone Taxonomy, <http://www.gbif.org>, 28 April 2014.
- Azwanida, N.N., 2015, A Review on the Extraction Methods Use in Medicinal Plants, Principle, Strength and Limitation, *Medicinal & Aromatic Plants*, **04** (03)
- Bastos, J.K., Carvalho, J.C.T., De Souza, G.H.B., Pedrazzi, A.H.P. & Sarti, S.J., 2001, Anti-inflammatory activity of cubebin, a lignan from the leaves of *Zanthoxylum naranjillo* Griseb, *Journal of Ethnopharmacology*, **75** (2-3), 279–282.
- Born, G.V.R. & Cross, M.J., 1963, The aggregation of blood platelets, *The Journal of Physiology*, **168** (1), 178–195.
- Bos, R., Woerdenbag, H.J., Kayser, O., Quax, W.J., Ruslan, K. & Elfami, 2007, Essential Oil Constituents of *Piper cubeba* L. fil. from Indonesia, *Journal of Essential Oil Research*, **19** (1), 14–17.
- Cazes, J., 2010, Encyclopedia of chromatography, *Crop Science*, **2** (6), 1–2457.
- Chen, Y.C., Liao, C.H. & Chen, I.S., 2007, Lignans, an amide and anti-platelet activities from *Piper philippinum*, *Phytochemistry*, **68** (15), 2101–2111.
- Chen, Z.N., Yu, P.Z. & Xu, P.J., 1993, Anti-platelet activating factor constituents, 2,5-diaryltetrahydrofuran type lignans, from *Piper futokadsura* Sied. et Zucc, *China journal of Chinese materia medica*, **18** (5), 292–294, 318.
- Choi, E.M. & Hwang, J.K., 2005, Effect of some medicinal plants on plasma antioxidant system and lipid levels in rats, *Phytother Res*, **19** (5), 382–386.
- Choi, E.M. & Hwang, J.K., 2003, Investigations of anti-inflammatory and antinociceptive activities of *Piper cubeba*, *Physalis angulata* and *Rosa hybrida*, *Journal of Ethnopharmacology*, **89** (1), 171–175.
- Cunha, W.R., Luis, M., Sola, R.C., Ambrósio, S.R., Bastos, J.K., Franca, D. & Paulo, D.S., 2012, Lignans : Chemical and Biological Properties. dalam Rao, V., (Ed.), *Phytochemicals - A Global Perspective of Their Role in Nutrition and Health*, InTech, 213–234.
- Derry, S., 2000, Risk of gastrointestinal haemorrhage with long term use of aspirin: meta-analysis, *BMJ*, **321** (7270), 1183–1187.
- Dirjen Perkebunan Kementrian Pertanian, 2013, Tanaman Kemukus, Teh, Kopi, <http://ditjenbun.pertanian.go.id>, 14 April 2015.
- Elfahmi, Ruslan, K., Batterman, S., Bos, R., Kayser, O., Woerdenbag, H.J. & Quax, W.J., 2007, Lignan profile of *Piper cubeba*, an Indonesian medicinal plant, *Biochemical Systematics and Ecology*, **35** (7), 397–402.
- Everts, P.A.M., Knape, J.T.A., Weibrich, G., Schonberger, J.P.A.M., Hoffmann, J., Overdeest, E.P., Box, H.A.M. & van Zundert, A., 2006, Platelet-rich plasma and platelet gel: a review., *The Journal of extra-corporeal technology*, **38** (2), 174–187.
- Franchi, F. & Angiolillo, D.J., 2015, Novel antiplatelet agents in acute coronary syndrome, *Nature reviews. Cardiology*, **12** (1), 30–47.

- Fratantoni, J.C. & Poindexter, B.J., 1990, Measuring platelet aggregation with microplate reader. A new technical approach to platelet aggregation studies., *American journal of clinical pathology*, **94** (5), 613–7.
- Frayn, K. & Stanner, S. (Eds.), 2005, The Haemostatic System: Coagulation, Platelets and Fibrinolysis. dalam *Cardiovascular Disease*, Blackwell Publishing Ltd, Oxford, UK, 100–127.
- Handa, S., 2008, An Overview of Extraction Techniques for Medicinal and Aromatic Plants. dalam Handa, S. et al., (Eds.), *Extraction Technologies for Medical and Aromatic Plants*, International Centre for Science and High Technology, Trieste, 21–54.
- Hartwig, J.H., 2013, The Platelet Cytoskeleton. dalam *Platelets*, Elsevier, 145–168.
- Hayward, C.P.M. & Moffat, K.A., 2013, Platelet Aggregation. dalam *Platelets*, Elsevier, 559–580.
- Hayward, C.P.M., Moffat, K.A., Raby, A., Israels, S., Plumhoff, E., Flynn, G. & Zehnder, J.L., 2010, Development of North American consensus guidelines for medical laboratories that perform and interpret platelet function testing using light transmission aggregometry, *American journal of clinical pathology*, **134** (6), 955–63.
- Huang, L. (Ed.), 2013, *Molecular Pharmacognosy*, Springer Netherlands, Dordrecht.
- Hurtubise, R.J., 2005, Adsorption Chromatography. dalam *Encyclopedia of Chromatography, Second Edition*, CRC Press, 21–24.
- Husni, M.F., 2015, Aktivitas Antiplatelet Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) pada Platelet Terinduksi Epinefrin, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Kealey, D. & Haines, P.J., 2002, *BIOS Instant Notes in Analytical Chemistry*, Edisi 1st, Garland Science, New York.
- Kim, M.-G., 2010, Anti-platelet Aggregation Activity of Lignans Isolated from *Schisandra chinensis* Fruits, *Journal of the korean society for applied biological chemistry*, **53** (6), 740–745.
- Kishan, P. V., Uday Kumar, C., Shobha, J.C., Usharani, P. & Chandrasekhar, E., 2013, Effect of oral Anti-platelet regimens on platelet aggregation using chronolog light transmittance aggregometry in coronary heart disease patients: An observational study, *Journal of Clinical and Diagnostic Research*, **7** (11), 2478–2482.
- Knox, J.H., Done, J.N., Fell, A.F., Gilbert, M.T., Pryde, A. & Wall, R.A., 1978, *High-performance liquid chromatography*, Edinburgh University Press, Edinburgh.
- Kowalska, T., Sherma, J. & Waksmundzka-Hajnos, M., 2008, Overview of the Field of TLC in Phytochemistry and the Structure of the Book. dalam *Thin Layer Chromatography in Phytochemistry*, Chromatographic Science Series. CRC Press.
- Lei, D., Chan, C.P., Wang, Y.J., Wang, T.M., Lin, B.R., Huang, C.H., Lee, J.J., Chen, H.M., Jeng, J.H. & Chang, M.C., 2003, Antioxidative and antiplatelet effects of aqueous inflorescence *Piper betle* extract, *Journal of Agricultural and Food Chemistry*, **51** (7), 2083–2088.

- Lim, T.K., 2012, *Piper cubeba*. dalam *Edible Medicinal And Non-Medicinal Plants*, Springer Netherlands, Dordrecht, 311–321.
- Loll, P.J., Picot, D. & Garavito, R.M., 1995, The structural basis of aspirin activity inferred from the crystal structure of inactivated prostaglandin H₂ synthase, *Nature structural biology*, **2** (8), 637–643.
- McAdam, B.F., Catella-Lawson, F., Mardini, I.A., Kapoor, S., Lawson, J.A. & FitzGerald, G.A., 1999, Systemic biosynthesis of prostacyclin by cyclooxygenase (COX)-2: the human pharmacology of a selective inhibitor of COX-2., *Proceedings of the National Academy of Sciences of the United States of America*, **96** (1), 272–7.
- Nahak, G. & Sahu, R.K., 2011, Phytochemical evaluation and antioxidant activity of *Piper cubeba* and *Piper nigrum*, *Journal of Applied Pharmaceutical Science*, **1** (8), 153–157.
- National Center for Biotechnology Information, 2015a, PubChem Compound Database; CID=2244, <http://pubchem.ncbi.nlm.nih.gov>, 6 June 2015.
- National Center for Biotechnology Information, 2015b, PubChem Compound Database; CID=444899, <http://pubchem.ncbi.nlm.nih.gov>, 6 June 2015.
- Park, B.S., Son, D.J., Park, Y.H., Kim, T.W. & Lee, S.E., 2007, Antiplatelet effects of acidamides isolated from the fruits of *Piper longum* L., *Phytomedicine*, **14** (12), 853–855.
- Patrono, C., 2013, Aspirin. dalam Michelson, A. D., (Ed.), *Platelets*, Edisi III. Elsevier, 1099–1115.
- Pimentel, S.M. V, Bojo, Z.P., Roberto, A.V.D., Lazaro, J.E.H., Mangalindan, G.C., Florentino, L.M., Lim-Navarro, P., Tasdemir, D., Ireland, C.M. & Concepcion, G.P., 2003, Platelet aggregation inhibitors from Philippine marine invertebrate samples screened in a new microplate assay, *Marine Biotechnology*, **5** (4), 395–400.
- Qu, W., Xue, J., Wu, F.H. & Liang, J.Y., 2014, Lignans from *Saururus chinensis* with Antiplatelet Aggregation and Neuroprotective Activities, *Chemistry of Natural Compounds*, **50** (5), 814–818.
- Rahman, A., Choudary, M.I. & Thomsen, W.J., 2001, *Bioassay Techniques for Drug Development*, Harwood Academic Publisher, London.
- Raynie, D.E., 2004, Modern Extraction Techniques, *Analytical Chemistry*, **76** (16), 4659–4664.
- Roth, G.J. & Majerus, P.W., 1975, The mechanism of the effect of aspirin on human platelets. I. Acetylation of a particulate fraction protein, *Journal of Clinical Investigation*, **56** (3), 624–632.
- Salmon, D.M., 1996, Optimisation of platelet aggregometry utilising microtitreplate technology and integrated software, *Thrombosis Research*, **84** (3), 213–216.
- Sastroamidjojo, 2001, *Obat Asli Indonesia*, Dian Rakyat, Jakarta.
- Da Silva, R., De Souza, G.H.B., Da Silva, A.A., De Souza, V.A., Pereira, A.C., Royo, V.D.A., E Silva, M.L.A., Donate, P.M., De Matos Araújo, A.L.S., Carvalho, J.C.T. & Bastos, J.K., 2005, Synthesis and biological activity evaluation of lignan lactones derived from (-)-cubebin, *Bioorganic and Medicinal Chemistry Letters*, **15** (4), 1033–1037.

- Silver, M.J., Smith, J.B., Ingerman, C. & Kocsis, J.J., 1973, Arachidonic acid-induced human platelet aggregation and prostaglandin formation, *Prostaglandins*, **4** (6), 863–875.
- Smith, W.L., Garavito, R.M. & DeWitt, D.L., 1996, Prostaglandin endoperoxide H synthases (cyclooxygenases)-1 and -2, *Journal of Biological Chemistry*, **271** (52), 33157–33160.
- Tricoci, P. & Harrington, R., 2007, Antiplatelet Therapies in Cardiology. dalam Gresele, P. et al., (Eds.), *Platelets in Hematologic and Cardiovascular Disorders*, Cambridge University Press, Durham, 407–436.
- Tsai, I.L., Lee, F.P., Wu, C.C., Duh, C.Y., Ishikawa, T., Chen, J.J., Chen, Y.C., Seki, H. & Chen, I.S., 2005, New cytotoxic cyclobutanoid amides, a new furanoid lignan and anti-platelet aggregation constituents from *Piper arborescens*, *Planta Medica*, **71** (6), 535–542.
- Vane, J.R. & Botting, R.M., 1998, Anti-inflammatory drugs and their mechanism of action, *Inflammation Research*, **47** (0), 78–87.
- Voigt, R., 1994, *Buku Pelajaran Teknologi Farmasi*, Gadjah Mada University Press, Yogyakarta.
- Wagner, H. & Bladt, S., 1996, *Plant Drug Analysis*, Springer Berlin Heidelberg, Berlin, Heidelberg.
- Wahyono, 2005, Isolation and Structure Ellucidation of Tracheospasmodic Compounds from *Piper cubeba* L.f. Fruits and Their Possibility as Antiinflammatory Activity, *Disertasi*, Universitas Gadjah Mada, Yogyakarta.
- Wang, L. & Weller, C.L., 2006, Recent advances in extraction of nutraceuticals from plants, *Trends in Food Science & Technology*, **17** (6), 300–312.
- Wardana, A.E., 2015, Aktivitas Antiplatelet Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) pada Platelet Terinduksi ADP, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Watson, D.G., 1999, *Pharmaceutical Analysis: A Textbook for Pharmacy Students and Pharmaceutical Chemists*, Edisi I, Churchill Livingstone, Edinburgh.
- Woerdenbag, H.J. & Kayser, O., 2014, Jamu: Indonesian traditional herbal medicine towards rational phytopharmacological use, *Journal of Herbal Medicine*, **4** (2), 51–73.
- World Health Organization, 2014, The Top 10 Causes of Death, <http://www.who.int>, 15 April 2015.
- Wulandari, E.I., 2015, Aktivitas Antiplatelet Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) pada Platelet Terinduksi Trombin, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Yam, J., Schaab, A., Kreuter, M. & Drewe, J., 2008, *Piper cubeba* demonstrates anti-estrogenic and anti-inflammatory properties, *Planta Medica*, **74** (2), 142–146.
- Zhou, L. & Schmaier, A.H., 2005, Platelet Aggregation Testing in Platelet-Rich Plasma Description of Procedures With the Aim to Develop Standards in the Field, *American Journal of Clinical Pathology*, **123** (2), 172–183.