

DAFTAR PUSTAKA

- Abdullah, D. (2006). Uji Toksisitas Akut Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) Pada Mencit Jantan Balb/C dan Profil Kromatografi Lapis Tipisnya. *Skripsi*. Fakultas Farmasi Universitas Gadjah Mada. Yogyakarta.
- Ali, M., Bordia, T., Mustafa, T. (1999). Effect of Raw Versus Boiled Aqueous Extract of Garlic and Onion on Platelet Aggregation. *Prostaglandins, Leukotriens amd Essential Fatty Acid*; 60(1), 43-47.
- Altman, R., Rouvier, J., Weisenberger, H. (1985). Identification of Platelet Inhibitor Present in The Melon (*Cucurbitacea cucumis melo*). *Thrombosis and haemostasis*, 53(3), 312-313.
- Anonim. (1977). *Materia Medika Indonesia*, Jilid I, 74-79. Departemen Kesehatan Republik Indonesia. Jakarta.
- Anonim. (1985). *Tanaman Obat Indonesia*, Jilid I, 44. Departemen Kesehatan Republik Indonesia. Jakarta.
- Anonim. (1989). *Pemanfaatan Tanaman Obat*, Edisi III, 58. Departemen Kesehatan Republik Indonesia. Jakarta.
- Anonim. (2001). Mahkota Dewa Dicari Karena Khasiatnya Dihindari Karena Racunnya. *Nirmala*, III, (8). 61-63.
- Aspan, R. (2004). Pengembangan Pemanfaatan Obat Bahan Alam dalam Pelayanan Kesehatan Masyarakat. *Makalah Seminar Tumbuhan Obat Indonesia*. Tawangmangu. Surakarta.
- Badheka, L. P., Prabhu, B. R., Mulchandani, N. B. (1987). Lignans of *Piper cubeba*. *Phytochemistry*, 26(7), 2033-2036.
- Badimon, L., Vilahur, G. (2008). Coronary Artherothrombotic Disease: Progress in Antiplatelet Therapy. *Revista Espanola de Cardiologia*, 61(5), 501-513.
- Broos, K., De Meyer, S. F., Feys, H. B., Vanhoorelbeke, K., Deckmyn, H. (2012). Blood Platelet Biochemistry. *Thrombosis Research*, 129(3), 245-249.
- Birkin, B.G. (1984). *The Platelets and Its Disorders*. 1st ed. p.56-9. Liverpool : MTP Press Limited.
- Born, G. V. R., Cross, M. (1963). The Aggregation of Blood Platelets. *The Journal of Physiology*, 168(1), 178-195.

- Cavagnaro, P. F., Camargo, A., Galmarini, C. R., Simon, P. W. (2007). Effect of Cooking on Garlic (*Allium sativum* L.) Antiplatelet Activity and Thiosulfinates Content. *Journal of Agricultural and Food Chemistry*, 55(4), 1280-1288.
- Chang, G. T., Kang, S. K., Kim, J. H., Chung, K. H., Chang, Y. C., Kim, C. H. (2005). Inhibitory Effect of The Korean Herbal Medicine, Dae-Jo-Whan, on Platelet-Activating Factor-Induced Platelet Aggregation. *Journal of Ethnopharmacology*, 102(3), 430-439.
- Chen, J.H., Chen, H.I., Tsai, S.J., Jen, C.J. (2000). Chronic Consumption of Raw But Not Boiled Welsh Onion Juice Inhibits Rat Platelet Function. *The Journal of Nutrition*, 130(1), 34–37.
- 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. *Zhongguo Zhong yao za zhi = Zhongguo Zhongyao Zazhi . China Journal of Chinese Materia Medica*, 18(5), 292–294.
- Claus, E.P., Tyler, V.C., Brady, R. (1970). *Pharmacognosy*, 6th Ed. Lea and Febiger. Philadelphia.
- Colman, R., Walsh, P.N. (1993). Mechanism of Platelet Aggregation . *Wintrobe's*, 9th ed. Lea and Febiger. p. 594-602
- Chandrasoma, P., Taylor, C.R. (1995). *Concise Phatology.a LANGE medical book*, 2nd ed. Appleton & Lange. p. 132-4
- 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.
- de Jong, J. S., Dekker, L. R. (2010). Platelets and Cardiac Arrhythmia. *Frontiers in Physiology*, (1), 1-8
- Deitcher, S.R., Rodgers, G.M. (2004). Thrombosis and Antithrombotic Therapy. In : Greer, J.P., Foerster, J., Lukens, J.N., et al. *Wintrobe's Clinical Hematology*. 11th ed. Lippincott Williams and Wilkins. USA. 1714-18.
- Departemen Kesehatan Republik Indonesia. (1985). *Cara Pembuatan Simplisia*. Direktorat Jenderal Pengawasan Obat dan Makanan. Jakarta.
- Departemen Kesehatan Republik Indonesia. (1986). *Sediaan Galenik*. Direktorat Jenderal Pengawasan Obat dan Makanan. Jakarta.

- Departemen Kesehatan Republik Indonesia. (2000). *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Direktorat Jenderal Pengawasan Obat dan Makanan. Jakarta.
- Despopoulos, A. and Silbernagl, S. (2003). *Color Atlas of Physiology*. 5th Ed. Thieme. Stuttgart. New York.
- Dewoto, H.R. (2008). Antikoagulan, Antitrombotik, Trombolitik dan Hemostatik. Dalam: Departemen Farmakologi dan Traupeutik FKUI. *Farmakologi dan Terapi*. Edisi 5. Balai Penerbit FKUI. Jakarta.
- Dorsam, R. T., Kunapuli, S. P. (2004). Central Role of The P2Y₁₂ Receptor in Platelet Activation. *Journal of Clinical Investigation*, 113(3), 340-345.
- Dutta-Roy, A.K., Crosbie, L., Gordon, M.J. (2001). Effects of Tomato Extract on Human Platelet Aggregation In Vitro. *Platelets*, 12(4), 218–227.
- Duttaroy, A.K., Jorgensen, A. (2004). Effects of Kiwi Fruit Consumption on Platelet Aggregation and Plasma Lipids in Healthy Human Volunteers. *Platelets*, 15(5), 287–292.
- El Haouari, M., López, J. J., Mekhfi, H., Rosado, J. A., Salido, G. M. (2007). Antiaggregant Effects of *Arbutus unedo* Extracts in Human Platelets. *Journal of Ethnopharmacology*, 113(2), 325-331.
- Elvers, M., Herrmann, A., Seizer, P., Münzer, P., Beck, S., Schönberger, T., ... Gawaz, M. (2012). Intracellular Cyclophilin A is an Important Ca²⁺ Regulator in Platelets and Critically Involved in Arterial Thrombus Formation. *Blood*, 120(6), 1317-1326.
- Fabre, J.E., Nguyen, M., Latour, A., Keifer, J.A., Audoly, L.P., Coffman, T.M., Koller, B.H., (1999). Decrease Platelet Aggregation, Increase Bleeding Time and Resistance to Thromboembolism in P2Y₁-Deficient Mice. *Natural Medicine*, 5(10), 1199-1202.
- Feijge, M. A. H., Ansink, K., Vanschoonbeek, K., Heemskerk, J. W. M. (2004). Control of Platelet Activation by Cyclic AMP Turnover and Cyclic Nucleotide Phosphodiesterase Type-3. *Biochemical Pharmacology*, 67(8), 1559–1567.
- Gandjar, I.G. dan Rohman, A. (2010). *Kimia Farmasi Analisis*. 220-265. Pustaka Pelajar. Yogyakarta.
- Glaser, D., Hilberg, T. (2006). The Influence of Bromelain on Platelet Count and Platelet Activity in Vitro. *Platelets*, 17(1), 37–41.

- Handin, R.I. (2001). *Disorders of Coagulation and Thrombosis: Antiplatelet Drug Therapy*. In: Braunwald, Fauci, Kasper, Hauser, Longo, Jameson, editors. *Harrison's Principles of Internal Medicine*, 15th ed, The McGraw-Hill companies. 760-761.
- Hankey, G. J., Eikelboom, J. W. (2006). Aspirin resistance. *The Lancet*, 367(9510), 606-617.
- Harrison, P. (2005). Platelet function analysis. *Blood Reviews*, 19(2), 111–123.
- Haryono, N.T. (1998). Uji Efek Analgetik Infus Buah Kemukus (*cubebae Fructus*) Pada Tikus Putih Jantan. *Skripsi*. Fakultas Farmasi Universitas Gadjah Mada. Yogyakarta
- Hirsh, J., Salzman, Salzman, E.W., Marder, V.J., Colman, R.W. (1993). *Pathogenesis of Thrombosis : Overview of The Thrombotic Process and Its Therapy*. 9th ed. Lea & Febiger. 1063-1068.
- Hye Sook Yun-*Choi.*, Kyung Mi Park., Mi Kyung Pyo. (2000). Epinephrine induced platelet aggregation in rat platelet-rich plasma. *Thrombosis Research*, 100(6), 511–518.
- Jagroop, I.A., Kakafika, A.I., Mikhailidis, D.P. (2007). Platelets and Vascular Risk: An Option for Treatment. *Current Pharmaceutical Design*, 13(6), 1669-1683.
- Keevil, J. G., Osman, H. E., Reed, J. D., Folts, J. D. (2000). Grape Juice, but not Orange Juice or Grapefruit Juice, Inhibits Human Platelet Aggregation. *The Journal of Nutrition*, 130(1), 53-56.
- Kishan, P. V. 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.
- Kuo Y.H., King, L.M. (2001). Antitumor drugs from the secondary metabolites of Higher Plants, dalam Tringali, C., (Ed), (2001). *Bioactive Compounds from Natural Sources; Isolation, Characterization, and Biological Properties*. Taylor and Francis, London.
- Li, Z., Delaney, M. K., O'Brien, K. A., Du, X. (2010). Signaling During Platelet Adhesion and Activation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 30(12), 2341-2349.
- Lei, D., Chang, M.C. (2003). Antioxidative and Antiplatelet Effects of Aqueous Inflorescence *Piper betle* Extract. *Journal of Agricultural and Food Chemistry*, 51(7), 2083–2088.

- Maierus, P. W., Tollefsen, D. M. (2001). *Anticoagulat, Thrombolytic, And Antiplatelet Drugs*, In: Hardman JG, Limbird LE, Gilman AG. *Pharmacological Basis of Therapeutics*. 10th ed. McGraw-Hill Companies. 1534-1536.
- Manurung, D. (2003). *Patogenesis Terkini dari Sindroma Koroner Akut. Prosiding Simposium Pendekatan Holistik Penyakit Kardiovaskuler II*. Balai Penerbit Bagian Ilmu Penyakit Dalam FK UI. Jakarta. 63-69.
- Mehta, P., Mehta, J. L., Aguila, E. (1983). Platelet aggregation. *Platelets and Megakaryocytes, Vol. 1: Functional Assays*. 65-73.
- Mycek, M. J., Hervey, R. A., Champe, P. C. (2001). *Farmakologi Ulasan Bergambar*. Edisi 2. Alih bahasa: Azwar Agous; Editor: Huriawati Hartanto. Jakarta: Widya Medika. 195-205.
- Morrow, J. D., Roberts, II L. J. (2001). *Autacoid; Drug therapy of inflammation: Introduction*. In: Hardman, J.G., Limbird, L.E., Gilman, A.G., editors. *Goodman & Gilman's The Pharmacological Basis of Therapeutics*. 10th ed. McGraw-Hill Companies. 669-680.
- Naemura, A., Mitani, T., Ijiri, Y., Tamura, Y., Yamashita, T., Okimura, M., Yamamoto, J. (2005). Anti-thrombotic Effect of Strawberries. *Blood Coagulation & Fibrinolysis*; 16(7), 501–509.
- Neal, M. J. (2005). *Medical Pharmacology at a Glance*. 5th Edition. Wiley-Blackwell.
- O'Brien, J. R. (1963). Some Effects of Adrenaline and Anti-adrenaline Compounds on Platelets in Vitro and in Vivo. *Nature* 200,763-764.
- O'Donnell, C. J., Larson, M. G., Feng, D., Sutherland, P. A., Lindpaintner, K., Myers, R. H., Tofler, G. H. (2001). Genetic and Environmental Contributions to Platelet Aggregation: the Framingham Heart Study. *Circulation*, 103(25), 3051–3056.
- Offermanns, S. (2006). Activation of Platelet Function Through G Protein-Coupled Receptors. *Circulation Research* 99, 1293-1304
- Park, B.S., Lee, S.E. (2007). Antiplatelet Effects of Acidamides Isolated From the Fruits of *Piper longum* L. *Phytomedicine*, 14(12), 853–855.
- Penz, S. M., Bernlochner, I., Tóth, O., Lorenz, R., Calatzis, A., Siess, W. (2010). Selective and Rapid Monitoring of Dual Platelet Inhibition by Aspirin and P2Y12 Antagonists by Using Multiple Electrode Aggregometry. *Thrombosis Journal*, 8(9), 1-8

- Putri, R. R. R. F., Ulfa, E.U., Riyanti, R. (2014). Uji Aktivitas Antiplatelet Ekstrak Etanol Kubis Merah (*Brassica Oleracea* Var. *Capitata* L.). *Pustaka Kesehatan*, 2(1), 111-114
- Rosa, T.A. (2002). Uji Toksisitas Infus Buah Kemukus (*Piper cubeba* L.f.) Terhadap larva *Artemia salina* serta Profil Kromatografi Lapis Tipisnya. *Skripsi*. Fakultas Farmasi Universitas Gadjah Mada. Yogyakarta.
- Sacher, R.A, McPherson, R.A. (2004). *Tinjauan Klinis atas Hasil Pemeriksaan Laboratorium*. Cetakan 1. Jakarta : EGC.
- Sadikin, M. (2001). *Biokimia Darah*. Widya Medika. Jakarta
- Satoh, K., Yatomi, Y., Kubota, F., Ozaki, Y. (2002). Small Aggregates of Platelets Can be Detected Sensitively by a Flow Cytometer Equipped with an Imaging Device: Mechanisms of Epinephrine-Induced Aggregation and Antiplatelet Effects of Beraprost. *Cytometry*, 48(4), 194–201.
- Shattil, S. J., Budzynski, A., Scrutton, M. C. (1989). Epinephrine Induces Platelet Fibrinogen Receptor Expression, Fibrinogen Binding, and Aggregation in Whole Blood in the Absence of Other Excitatory Agonists. *Blood*, 73(1), 150-158.
- Sherwood, L. (2001). The Blood: Platelets and Hemostasis. *Human Physiology: From Cells to Systems*. 4th ed. Brooks/Cole. 379-384.
- Shi, Y. N., Shi, Y. M., Yang, L., Li, X. C., Zhao, J. H., Qu, Y., Zhu, T. H., Wang, D., Cheng, R. R., Yang, C. R., Xu, M., Zhang, Y.J. (2015). Lignans and Aromatic Glycoside from *Piper wallichii* and Antitrombotic Activities. *Journal of Ethnopharmacology*, 162, 87-96.
- Skoog, D., West, D., Holler, F.L., Crouch, S. (2014). *Fundamentals of Analytical Chemistry*, Ninth Edition, 861. Cengage Learning. United States of America.
- 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.
- Soemantri. (1993). *Masalah Pengembangan Teknologi Sediaan Fitofarmaka*. Warta Tumbuhan Obat Indonesia, 2(4), 4-7.
- Spalding, A., Vaitkevicius, H., Dill, S., MacKenzie, S., Schmaier, A., & Lockette, W. (1998). Mechanism of Epinephrine-Induced Platelet Aggregation. *Hypertension*, 31(2), 603–607.
- Stahl, E. (1985). *Analisis Obat Secara Kromatografi dan Mikroskopi*, (Diterjemahkan) 3-21. Penerbit ITB. Bandung.

- Sudarsono., Pudjoaritno, A., Gunawan, D., Wahyuono, S., Donatus, I. A., Drajat, M., Wibowo, S., Ngatidjan. (1996). *Tumbuhan Obat*, (174-175). PPOU Universitas Gadjah Mada, Yogyakarta.
- Syamsuhidayat, S. S., dan Hutapea, J. R. (1991). *Inventaris Tanaman Obat Indonesia (I)*, 456-457. Badan Litbangkes, Departemen Kesehatan Republik Indonesia. Jakarta.
- Thiagarajan, P., Jankowski, J. A. (2012). Aspirin and NSAIDs; Benefits and Harms for The Gut. *Best Practice and Research: Clinical Gastroenterology*, 26(2), 197–206.
- Tjitrosoepomo, G. (1994). *Taksonomi Tumbuhan Obat-obatan*, 140-142. Gadjah Mada University Press. Yogyakarta.
- Tsai, I.L. 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.
- Varga-Szabo, D., Pleines, I., Nieswandt, B. (2008). Cell Adhesion Mechanisms in Platelets. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 28(3), 403-412.
- Wahyono. (2005). Isolation and Structure Elucidation of Tracheospamolytic Compounds from *Piper cubeba* L.f. Fruits and Their Possibility as Antiinflammatory Activity. *Disertasi*. Fakultas Farmasi, Universitas Gadjah Mada. Yogyakarta.
- Waksmundzaka-Hajnos, M., Sherma, J., Kowalska, T. (2008). *Thin Layer Chromatography in Phytochemistry*, 107-113. CRC Press. New York.
- Wall, P.E. (2005). *Thin Layer Chromatography : A Modern Practical Approach*, 144-146. The Royal Society of Chemistry. Cambridge, UK
- Wardana, A.E. (2015). Aktivitas Antiplatelet Beberapa Tanaman Asal Indonesia: Studi Terhadap Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) pada Platelet Terinduksi ADP. *Skripsi*. Fakultas Farmasi, Universitas Gadjah Mada. Yogyakarta.
- Wirawan, R. (2007). Nilai Rujukan Pemeriksaan Agregasi trombosit dengan Adenosin difosfat pada Orang Indonesia Dewasa Normal di Jakarta. *Majalah Kedokteran Indonesia*. 57: 216-218.
- White, M. M., Jennings, L. K. (1999). *Platelet Protocols: Research and Clinical Laboratory Procedures*. Academic Press.

- Winther, K., Trap-Jensen, J. (1998). The Effect of Exercise on Platelet Beta-Adrenoreceptor Function and Platelet Aggregation in Healthy Human Volunteers. *Clinical Physiology (Oxford, England)*, 8(2), 147-153.
- World Health Organization. (2014). *The Top 10 Causes of Death*. Available at: <http://www.who.int/mediacentre/factsheets/fs317/en/> [diakses 14 April 2015].
- Wulandari, E. I. (2015). Aktivitas Antiplatelet Ekstrak Etanolik Buah Kemukus (*Piper cubeba* L.f.) pada Platelet Terinduksi Trombin. *Skripsi*. Fakultas Farmasi, Universitas Gadjah Mada. Yogyakarta.
- Yam, J., Drewe, J. (2008). *Piper cubeba* Demonstrates Anti-estrogenic and Anti-Inflammatory Properties. *Plant Medica*, 74(2), 142-146.
- Zhao, L., Zhang, W., Chen, M., Zhang, J., Zhang, M., & Dai, K. (2013). Aspirin Induces Platelet Apoptosis. *Platelets*, 24(8), 637-642.
- 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.