

DAFTAR PUSTAKA

- Alen, Y., Agresa, F. L., and Yuliandra, Y. 2017. Analisis Kromatografi Lapis Tipis (KLT) dan Aktivitas Anti Hiper Uriemia Ekstrak Rebung *Schizostachyum brachycladum* Kurz (Kurz) pada Mencit Putih Jantan. *Jurnal Sains Farmasi dan Klinis*. 3(2): 146-152.
- Ammerman, N.C., Beier-Sexton, M., and Azad, A.F. 2008. Growth and Maintenance of Vero Cell Lines. *Current Protocol Microbiology*. 11(1): 1-10.
- Anonim. 2007. Cell Proliferation Reagent WST-1 Colorimetric Assay (WST-1 based) for the Non Radioactive Quantification of Cell Proliferation , Cell Viability and Cytotoxicity. *Roche Applied Science*: Germany.
- Anonim. 2008. Laporan nasional riset kesehatan dasar 2007. Departemen Kesehatan Republik Indonesia, Jakarta.
- Anwar, Y.A.S. 2017. Aktivitas Antioksidan Ekstrak Ampas Buah Semu Jambu Mete (*Anacardium Occidentale* Linn) dan Pengaruhnya pada Pengolahan Minyak Kelapa Tradisional. *Jurnal Penelitian Kimia*. 13(1): 17-28.
- Berridge, M.V., and Tan, A.S., 1996. The Biochemical and Cellular Basis of cell proliferation assays that use tetrazolium salt. *Journal Biochemical*. 4:15-19.
- Bilban, M., Haschemi, A., Wegiel, B., Chin, B., Wagner, O., and Otterbein. 2008. Heme Oxygenase and Carbon Monoxide Initiate Homeostatic Signaling. *Journal Moleculer Medicine*. 86: 267-279.
- Braithwaite, A. And Smith, F.J. 1999. *Chromatographic Methods 5 th Edition*. Dordrecht, Kluwer academic Press, The Netherlands.
- Chen, H.M., Muramoto, K., Yamauchi, F. and Nokihara, K. 1996. Antioxidant Activity of Designed Peptides Based on The Antioxidative Peptide Isolated from Digests of a Soybean Protein. *Journal Agriculture Food Chemistry*. 44: 2619-2623.
- Dalimartha, S. 2000. *Atlas Tumbuhan Obat Indonesia Jilid 2*. Trubus Agriwidya: Jakarta.
- Deng, J., Cheng, W., and Yang, G. 2011. A novel Antioxidant Activity Index (AAU) for Natural Products Using The DPPH Assay. *Food Chemistry*. 114: 713-719.

- Dhankhar, J., Kadian, S.S., Sharma, A. 2012. Astaxanthin: A potential Carotenoid. *International Journal of Pharmaceutical Sciences and Research*. 3(5): 1246-1257.
- Febriani, S., dan Hartana, A. 2016. Klasifikasi Kultivar Jambu Mete (*Anacardium occidentale*). *Floribunda*. 5(4): 139- 142.
- Ferreira, T., and Rasband, W. 2012. *Image J User Guide 1.46*. McGill University: Canada.
- Fraga D, Meulia T, and Fenster S. 2008. *Real-time PCR. In: Current protocols essential laboratory techniques*. John Wiley & Sons, Inc.: New York (US).
- Francoeur, A.M. and Assalian. 1996. Microcat: a novel cell proliferation and cytotoxicity assay based on WST-1. *Journal Biochemistry*. 3: 19-25.
- Freshney, I.R. and Freshney, M.G. 2000. *Culture of Animal Cells: a manual of basic technique and specialized applications*. A john wiley & sons inc publication: Scotland.
- Garibyan, L and Avashia, N. 2013. Research Techniques Made Simple: *Polymerase Chain Reaction (PCR)*. *Journal Invest Dermatol*. 133(3): 1-5.
- Handa, S. S., Khanuja, S.P.S., Longo, G., and Rakesh. 2008. *Extraction Technologies for Medicinal and Aromatic Plants, International Centre For Science and High Technology*. Earth, Environmental and Marine Sciences and Technologies: Trieste (Italy).
- Hapsari, W.K. 2018. Uji Potensi Ekstrak Kulit Buah Mete (*Anacardium occidentale* L.) sebagai antiinflamasi pada model sel Vero. *Tesis*. Universitas Gadjah Mada. Yogyakarta.
- Hemshekhkar, M., Santhosh, M. S., Kempuraju, K., and Girish, K. 2011. Emerging Roles of Anacardic Acid and Its Derivatives: a pharmacological overview. *Journal of Basic and Clinical Pharmacology and Toxicology*. 110: 122-132.
- Hernani. 2002. Isolasi Kardanol dari CNSL (*Cashew Nut Shell Liquid*) Secara Kromatografi Kolom. *Jurnal Bahan Alam Indonesia*. 1(1): 21-22.
- Hewajuli, D.A and Dharmayanti. 2014. Perkembangan Teknologi *Reverse-Transcriptase-Polymerase Chain Reaction* dalam Mengidentifikasi Genom Avian Influenza dan Newcastle Diseases. *Balai Besar Penelitian Veteriner*.

- Himabindu, T., Raguram, V., and Kumar, S.T. 2015. Review on Various Methods of Extraction of Cashew Nut Shell Liquid and Isolation of Anacardic Acid. *International Journal of Institutional Pharmacy and Life Sciences*. 5(1): 293-308.
- Huliselan, Y. M., Runtuwene, M.R.J., and Wewengkang, D.S. 2015. Aktivitas Antioksidan Ekstrak Etanol, Etil Asetat, dan n-heksan dari Daun Sesewanua (*Clerodendron squamatum* Vahl.). *Jurnal Ilmiah Farmasi*. 4(3): 155-163.
- Ikhlas, N. 2013. *Uji Aktivitas Antioksidan Ekstrak Herba Kemangi (Ocimum americanum Linn) dengan Metode DPPH (2,2-Difenil-1-Pikrilhidrazil*. Jakarta: UIN Hidayatullah Jakarta.
- Kannan, V.R., Sumathi, C.S., Balasubramanian, V., and Ramesh, N. 2009. Elementary Chemical Profiling and Antifungal Properties of Cashew (*Anacardium occidentale* L.) Nuts. *Botany Research International*. 2 (4): 253-257.
- Kartikawati, D. 1999. Studi Efek Proteksi Vitamin C dan vitamin E terhadap Respon Imun dan Enzim Antioksidan pada Mencit yang Dipapar Paraquat. *Tesis*. Sekolah Pascasarjana, Institut Pertanian Bogor: Bogor.
- Kistner, O., Howard, K., Spruth, M., Wodal, W., Bruhl, P., Gerencer, M., Crowe, B., Livey, I., Reiter, M., Tauer, C., Mundt, W., and Barrett, N. 2007. Cell Culture (Vero) Derived Whole Virus (H5N1) Vaccine Based on Wild-Type Virus Strain Induces Cross-Protective Immune Responses. *Journal of Vaccine*. 25(32): 6028-6036.
- Kubo, I., Ochi, P.C. Vieira and Komatsu, S. 1993. Antitumor Agents from The Cashew *Anacardium occidentale* Apple Juice. *Journal Agro Food Chemistry*. 41: 1012-1015.
- Kubo, I., Masuoka, N., Ha, T., and Tsujimoto, K. 2006. Antioxidant Activity of Anacardic Acids. *Journal of Food Chemistry*. 99: 555-562.
- Kumar, P, R. Paramashivappa, P. Vithayathil, and S. Rao. 2002. Process for Isolation of Cardanol from Technical Cashew (*Anacardium occidentale* L.) Nutshell Liquid. *Journal of Agricultural and Food Chemistry*. 50: 4705-4708.
- Kusrini, D., dan Ismardiyanto, M. 2003. Asam Anakardat dari Kulit Biji Jambu Mete (*Anacardium Occidentale* L) yang Mempunyai Aktivitas Sitotoksik. *Jurnal Kimia Sains dan Aplikasi*. 6(1): 1-6.

- Listyati, D dan Sudjarmoko, B. 2011. Nilai Tambah Ekonomi Pengolahan Jambu Mete Indonesia. *Buletin Riset Tanaman Rempah dan Aneka Tanaman Industri*. 2(2): 233.
- Li, N., Venkatesan, M. I., Miguel, A., Kaplan, R., Gujuluva, C., Alam, J., and Nel, A. 2000. Induction of Heme Oxygenase-1 Expression in Macrophages by Diesel Exhaust Particle Chemicals and Quinones via the Antioxidant-Responsive Element. *The Journal of Immunology*. 3: 393-3041.
- Lu, J.J., Bao, J.L., Chen, X.P., Huang, M., and Wang, Y.T. 2012. Review Article. Alkaloids Isolated from Natural Herbs as the Anticancer Agents. *Evidence Based Complementary and Alternative Medicine*. p.1-12.
- Martin, D., Rojo, A.I., Salinas, M., Diaz, R., Gallardo, G., Alam, J., Galaretta, C., and Cuadrado, A. 2003. Regulation of Heme Oxygenase-1 Expression through the Phosphatidylinositol 3-Kinase/Akt Pathway and the Nrf2 Transcription Factor in Response to the Antioxidant Phytochemical Carnosol. *The Journal of Biological Chemistry*. 279(10): 8919- 8929.
- Mbatchou, V.C. and Kosoono, I., 2012. Aphrodisiac Activity of Oils From *Anacardium occidentale* L. Seeds and Seed Shells. *Phytopharmacology*. 2: 8189.
- Meiyanto, E., and Sismindari. Efek anti proliferasi ekstrak etanol daun dan kulit batang tanaman cangkring terhadap sel hela. *Majalah Farmasi Indonesia*. 14 (2): 1-6.
- Molyneux, P. 2004. The Use of The Stable Free Radical diphenylpicrylhydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin Journal Science Technology*. 26 (2): 211-219.
- Moreno, M. I. N., Isla, M., Sampietro, A.R., and Vattuone, M.A. 2000. Comparison of the Free Radical-Scavenging Activity of Propolis from Several regions of Argentina. *Journal of Ethnopharmacology*. 71: 109-114.
- Naidu, S., Wijayanti, N., Santoso, S., Kietzmann, T., Immenschuh, S. 2008. An Atypical NF- κ B-Regulated Pathway Mediates Phorbol Ester-Dependent Heme Oxygenase-1 Activation in Monocytes. *The Journal of Immunology*. 3(1): 4114-4123.
- Noer, S., Pratiwi, R.D., dan Gresinta, E. 2018. Penetapan Kadar Senyawa Fitokimia (Tanin, Saponin Dan Flavonoid Sebagai Kuersetin) pada Ekstrak Daun Inggu (*Ruta angustifolia* L.). *Jurnal Ilmu-Ilmu MIPA*. 1(2): 2503-2364.
- Nuramanah, E., Hayat, S., dan Wiwi, S. 2013. Kajian Antioksidan Kulit Pisang Raja Bulu (*Musa paradisiacal* l. var *sapientum*) dan Produk Olahannya. *Jurnal Sains dan Teknologi Kimia*. 4(1): 1-8.

- Ogborne, R.M., Rushwort, S., and Charalambos, S.A. 2004. Haem oxygenase-1: a target for dietary antioxidants. *Biochemical Society Transactions*. 32(6): 1003-1005.
- Oliveiral, N.F., Leal, R.S., and Dantas, T.N.C. 2015. The Importance of The Cashew Nut (*Anacardium occidentale* L.) Coat: A Review. *American International Journal of Contemporary Scientific Research*. 2: 9-25.
- Onuh, J.O., Idoko, G., Yusufu, P., and Onuh, F. 2017. Comparative Studies of the Phytochemical, Antioxidant and Antimicrobial Properties of Cashew Leaf, Bark and Fruits Extracts. *American Journal of Food and Nutrition*. 5(4): 115-120.
- Parasa, L., Sunita, T., Rao, B., Hanumantha, A., Srinivasa, A and Kumar, L.C.A. 2011. Acetone Extract of Cashew (*Anacardium occidentale*, L.) Nuts Shelliquid Against Methicillin Resistant *Staphylococcus aureus* (MRSA) by Minimum Inhibitory Concentration (MIC). *Journal of Chemical and Pharmaceutical Research*. 3(5): 736-742.
- Ramadhani, D., Suvifan, V. dan Lusiyanti, Y. 2013. Otomatisasi Pendeteksian Sel Blast dan Sel Metafase dengan Perangkat Lunak Pengolahan Citra Sumber Terbuka. *Seminar Nasional Aplikasi Teknologi Informasi*. 1(1): 1-13
- Rao, A.V. and Gurfinkel, D.M. 2000. The Bioactivity of Saponins: triterpenoid and steroidal glycosides. *Drug Metabolism and Drug Interactions*. 17(4): 211-236.
- Risfaheri, Irawadi, T., Nur, M. and Sailah, I. 2009. Isolation of Cardanol from Cashew Nut Shell Liquid Using the Vacuum Distillation Method. *Indonesian Journal of Agriculture*. 2(1): 11-20.
- Robinson, T. 1995. *Kandungan Organik Tumbuhan Tinggi*. Penerbit ITB: Bandung.
- Rohman, A. dan Riyanto, S. 2005. Daya Antioksidan Ekstrak Etanol Daun Kemuning (*Murraya paniculata* (L) Jack) Secara *In Vitro*. *Majalah Farmasi Indonesia*. 16(3): 136-140.
- Romandanu, Rachmawati, S.H., dan Lestari, S.D. 2014. Pengujian Aktivitas Antioksidan Ekstrak Bunga Lotus. *Jurnal Fishtech*. 3(1): 1-7.
- Rushworth, S., Chen, X., Mackman, N., Ogborne, R., and O'Connell, A. 2005. Lipopolysaccharide-Induced Heme Oxygenase-1 Expression in Human Monocytic Cells is Mediated via Nrf2 and Protein Kinase C. *The Journal of Immunology*. 2(1): 4407-4415.

- Ryter, S., and Choi, A. 2005. Heme Oxygenase-1: Redox Regulation of a Stress Protein in Lung and Cell Culture Models. *Antioxidants and Redox Signaling*. 7 (1): 80-89.
- Sayed, A. 2007. *Introduction of Plant Constituents and Their Test*. New Delhi University: New Delhi.
- Scapagnini, G., Foresti, R., Calabrese, V., Stella, Green and Motterlini. 2001. Caffeic Acid Phenethyl Ester and Curcumin: a novel class of Heme Oxygenase-1 Inducers. *Molecular Pharmacology*. 3(61): 554-561.
- Senja, R. Y., Issusilaningtyas, E., Nugroho, A.K., Setyowati, E. 2014. The Comparison Of Extraction Method And Solvent Variation On Yield And Antioxidant Activity Of *Brassica oleracea* L. Var. *capitata* F. *rubra* Extract. *Traditional Medicine Journal*. 19 (1): 43-48.
- Shibahara, S. 2003. The Heme Oxygenase Dilemma in Cellular Homeostasis: New Insights for the Feedback Regulation of Heme Catabolism. *Tohoku Journal of Medicine*. 200: 167-186.
- Sompong, R., Siebenhandl-Ehn, S., Linsberger-Martin, S., and Berghofer, E. 2011. Physicochemical and Antioxidative Properties of Red and Black Rice Varieties from Thailand, China and Sri Lanka. *Food Chemistry Elsevier*. 124: 132-140.
- Sreeramulu, D., and Raghunath, M. 2010. Antioxidant Activity and Phenolic Content of Roots, Tubers and Vegetables Commonly Consumed in India. *Food Research International*. 43: 1017-1020.
- Sudarsono, G.D., D., Wahyuono, S., dan Purnomo, I.A.D. 2002. *Tumbuhan Obat II Pusat Studi Obat Tradisional Universitas Gadjah Mada*. UGM Press: Yogyakarta.
- Tan, J., Chen, B., He, L., Tang, Y., Jiang, Z., Yin, G., Wang, J., and Jiang, X. 2012. Anacardic Acid (6-Pentadecylsalicylic Acid) Induces Apoptosis of Prostate Cancer Cells Through Inhibition of Androgen Receptor and Activation Of P53 Signaling. *Chinese Journal of Cancer Research*. 24(2): 275-283.
- Tominaga, H., Ishiyama, M., Ohseto, Sasamoto, k., Hamamoto, T., Suzuki K., and Watanabe, M. 1999. A Water-soluble Tetrazolium Salt Useful for Colorimetric Cell Viability Assay. *Analytical Communications*. 36: 47-50.
- Towaha, J dan Ahmadi, N. 2011. Pemanfaatan Cashew Nut Shell Liquid Sebagai sumber Fenol Alami pada Industri. *Buletin Riset Tanaman Rempah dan Aneka Tanaman Industri*. 2(2): 189.

- Trevisan, M.T.S., Pfundstein, B., Haubner, R., Würtele, G., Spiegelhalter, B., Bartsch, H., and Owen, R.W. 2006. Characterization of Alkyl Phenols in Cashew (*Anacardium occidentale*) Products and Assay of Their Antioxidant Capacity. *Food and Chemical Toxicology Elsevier*. 44(2): 188-197.
- Trilaksani. 2003. Aktivitas Antioksidan dan Immunomodulator Serialia Non Beras. *Skripsi*. Jurusan Pertanian, Institut Pertanian Bogor, Bogor.
- Vergara, C.M., Honorato, T.L., Maia, G.A. 2010. Prebiotic Effect of Fermented Cashew Apple (*Anacardium occidentale* L) Juice. *Food Science and Technology*. 43: 141-145.
- Wu, M., Ho, Y., Lin, C., and Yet, S. 2011. Heme oxygenase-1 in Inflammation and Cardiovascular Disease. *American Journal Cardiovascular Disease*. 1(2): 150-158.
- Yuliana, M., Nguyen, B.T., Faika, S., and Huynh, L. 2014. Separation and Purification of Cardol, Cardanol and Anacardic Acid from Cashew (*Anacardium occidentale* L.) Nut-Shell Liquid Using a Simple Two-Step Column Chromatography. *Journal of Taiwan Institute of Chemical Engineers*. 45: 2187-219.
- Yusuf, Z. 2010. *Polymerase Chain Reaction (PCR)*. *Saintek*. 5 (6): 1-6.