

## DAFTAR PUSTAKA

- Andlauer W and Furst P. 1998 Antioxidative power of phytochemicals with special reference to cereals. *Journal Cereal Foods World*. 43; 356-359.
- Badarinath, A.V., Rao K. M., Chetty C. M. S., Ramkanth S., Rajan and Gnanaprakash K. 2010. A review on In-vitro Antioxidant Methods : Comparisons, Correlations and Considerations. *International Journal of Pharmaceutics Technology Research*, 2 (2) : 1276-1285.
- Beckman B, Bruce N. and Amies, 1998. The free radical theory of aging matures. *Physiol Rev*. 78: 547–81.
- Budilaksono, W., Wahdaningsih, S. & Fahrurroji, A., 2014, Uji Aktivitas Antioksidan Fraksi N-Heksana Kulit Buah Naga Merah (*Hyllocereus lemairei* Britton dan Rose) Menggunakan Metode DPPH (1,1 – Difenil – 2 - Pikrilhidrazil), *Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN*, vol.1 no.1.
- Chet, N.W., 2009, Total Phenolic and Total Flavonoids Content of Pitaya Peels by Water Extraction, *Thesis*, Faculty of Chemical and Natural Resources Engineering, Universiti Malaysia Pahang.
- Christinawati, T., 2007, Identifikasi Flavonoid pada Herba Pegagan Embun (*Hydrocotyle sibthorpioides* Lmk.) Hasil Isolasi Secara Kromatografi Lapis Tipis Preparatif (KLTP), *Skripsi*, Fakultas Farmasi, Universitas Sanata Dharma.
- Damogalad, V., Edy, H.J., Supriati, H.S., 2013, Formulasi Tabir Surya Ekstrak Kulit Nanas (*Ananas Comosus* L Merr) dan Uji *In Vitro* Nilai *Sun Protecting Factor* (SPF), *Pharmacon, Jurnal Ilmiah Farmasi – UNSRAT*, Vol.2 No.2.
- Kristanto D. 2009. Buah Naga : *Pembudidayaan di Pot dan di Kebun*. Penebar Swadaya. Jakarta.
- Day, J., Underwood, *Analisis Kimia Kuantitatif* , Jakarta: Erlangga.
- Desmiaty, Y., Ratnawati, J., dan Andini, P., 2009, penentuan Jumlah Flavonoid Total Ekstrak Etanol Daun Buah Merah (*Pandanus Conoideus* Lamk) Secara Kolorimetri Komplementer, *Presentasi Seminar Nasional POKJANAS TOI XXXVI*, Universitas Sanata Dharma.

- Dutra EA., Oliveira DAGC., Kedor-Hackmann ERM., Santoro MIRM., 2004, Determination of sun protection factor (SPF) of sunscreens by ultraviolet spectrophotometry. *Rev Bras Cienc Farm.*, 40: 381-385.
- Fessenden, R.J., Fessenden, J.S., 1982, *Kimia Organik Jilid 2*, Jakarta: Erlangga
- Foong, J.H., Hon, W.M., & Ho, C.W., 2012, Bioactive Compounds Determination In Fermented Liquid Dragon Fruit (*Hylocereus Polyrhizus*), *Borneo Science*, volume 31.
- Gandjar, I.G., & Abdul Rohman, 2007, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Garoli, D., Pelizzo, M.G., Nicolossi, P., Peserico, A., Tonin, E., Alaibac, M., 2009, Effectiveness of Different Substrate Materials for In Vitro Sunscreen Test, *Journal of Dermatological Science*, 56, Issue 2, November 2009, 89-98.
- Gritter, R. J., James M. B dan E. S. Arthur. 1991. *Pengantar Kromatografi*. Institut Teknologi Bandung, Bandung. (diterjemahkan oleh Kosasih Padmawinata).
- Gurav, S., Deshkar, N., Gulkari, V., Duragkar, N., dan Patil, A., 2007, Free Radical Scavenging Activity of *Polygala chinensis* Linn, *Pharmacologyonline*. 2: 245-253.
- Handayani, H., Sriherfyna, F.H., Yunianta, 2016, Ekstraksi Antioksidan Daun Sirsak Metode Ultrasonic Bath (Kajian Rasio Bahan: Pelarut dan Lama Ekstraksi), *Jurnal Pangan dan Agroindustri*, vol.4 no.1 p.262-272.
- Harborne, J. B. 1987. *Metode Fitokimia : Penuntun Cara Modern Menganalisis Tumbuhan*. Institut Teknologi Bandung, Bandung. (diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro).
- Isabelle, D., Rouyenne, T.R., Henk, C.M., Guus, S.M., Linsie, M., Peter, L.Z., Johanna, M.G., & Elka, A.T, 2009, Continuous Dose-Response Relationship of the LDL-Cholesterol Lowering Effect of Phytosterol Intake, *Journal of Nutrition*, 139: 271-284.
- Josephy, P.D., 1997, *Molecular Toxicology*, Oxford University Press, New York.

- Jun, M.H.Y., J., Fong, X., Wan, C.S., Yang, C.T., Ho. 2003. Comparison of Antioxidant Activities of Isoflavones Form Kudzu Root (*Pueraria lobata* O). *Journal Food Science Institute of Technologist*. 68:2117-2122.
- Juniarti, D. Osmeli dan Yuhernita. 2009. Kandungan Senyawa Kimia, Uji Toksisitas (Brine Shrimp Lethality Test) dan Antioksidan (1,1-diphenyl-2-pikrilhidrazyl) dari Ekstrak Daun Saga (*Abrus precatorius* L.). *Makara Sains*, 13 (1) : 50-54.
- Junior, R.G.O., Araujo, C.S., Souza, G.R., Guimaraes, A.L., Oliveira, A.P., Lima-Saraiva, S.R.G., Morais, A.C.S., Santos, J.S.R., & Silva, A.J.R.G., 2013, In Vitro Antioxidant and Photoprotective Activities of Dried Extracts from *Neoglaziovia variegata* (Bromeliaceae), *Journal of Applied Pharmaceutical Science*, Vol. 3 (01), pp. 122-127.
- Kiessoun K., Souza A., Meda N.T.R., Coulibaly A.Y., Kiendrebeogo M., Lamien-Meda A., Lamidi M., Millogo-Rasolodimby J., Nacoulma O.G., 2010, Polyphenol Contents, Antioxidant and Anti-Inflammatory Activities of Six Malvaceae Species Traditionally used to Treat Hepatitis B in Burkina Faso, *European Journal of Scientific Research*, 44(4): 570-580.
- Kochevar IE, 1995. Molecular and cellular Effect of UV radiatum Relevant to chronic photodamage. Gilchrest B.A., Eds. Photodamage. Cambridge MA: *Blackwell Science*: 51–67.
- Lenny, S., 2006, Isolasi dan Uji Bioaktivitas Kandungan Kimia Utama Pudding Merah Dengan Metode Uji Brine Shrimp, *skripsi* Medan: MIPA Universitas Sumatera Utara
- Leong LP and Shui G, 2002. *An Investigation of Antioxidant Capacity of Fruits in Singapore Markets Food*
- Bhat Liberty, S. V., B. A. Nagasampagi and S. Meenakshi. 2009. Natural Products : Chemistry and Application. *Narosa Publishing House*, New Delhi. India.
- Mansur JS., Breder MVR., Mansur MCA., Azulay RD. Sun Protection Factor determination by spectrophotometry. *An Bras Dermatol*. 1986, 61: 121-124.
- McKinlay, A., & Diffey, B.L., 1987, A Reference Action Spectrum for Ultraviolet Induced Erythema in Human Skin: In Human Exposure to Ultraviolet Radiation, Risks and Regulations, *Elsevier*, Amsterdam, Netherlands, p 83.
- Mead, [M.N.](#), 2008, Benefits of Sunlight: A Bright Spot for Human Health, *Environmental Health Perspectives*, 116(4): A160–A167.

- Miller, H. E., Rigelhof F., Marquart L., Prakash A., Kanter M.. 2000. Antioxidant Content of Whole Grain Breakfast Cereals, Fruits and Vegetables. *Journal of The American College of Nutrition*. Vol. 19. No. 3. 312S-319S.
- Mikamo, E., Okada, Y., Semma, M., Itto, Y., Morimoto, T., 2000, Studies on Structural Correlationship with Antioxidant Activity of Flavonoids, *J. Jpn. Soc. Food Sci. Technol.* 7:97-101.
- Molyneux, P., 2004, The Use of The Stable Free Radical Diphenyl picrylhydrazyl (DPPH) for Estimating Antioxidant Activity, *Songklanakarinn J.Sci. Technol*, 26 (2):211-219.
- Nichols, J.A., Katiyar, S.K., 2010. Skin photoprotection by natural polyphenols: anti-inflammatory, antioxidant and DNA repair mechanisms. *Arch. Dermatol. Res.* 302, 71–83, *Nutr. Rev.* 56, 317–333.
- Nurliyana, R., Syed Zahir, I., Suleiman, K.M., Aisyah, M.R., and Rahim, K.M., (2010). Antioxidant study of pulps and peels of dragon fruits: a comparative study. *International Food Research Journal* .,17, 367-375.
- Pham-Huy, 2008. Free Radical, Antioxidant in Disease and Health. *Int. J. Biomed. Sci.* 4 (2):89-96.
- Pieta P-G., 1999, Flavonoids as Antioxidant, Review, *J.Nat. Prod.*, 63, 1035-1042.
- Pine, H.S. 1988. Radikal Bebas. Bandung: ITB. Terjemahan dari: Organic Chemistry 2. Hal: 23-26.
- Pranata, R., 2013, Uji Aktivitas Antioksidan Fraksi Kloroform Kulit Buah Naga Merah (*Hylocereus Lemairei* Britton dan Rose) Menggunakan Metode DPPH (1,1-difenil-2-pikrilhidrazil), *Skripsi*, Universitas Tanjungpura, Pontianak.
- Prakash, A., Antioxidant Activity., Medallion Laboratories : *Analithycal Progres* ,2001, Vol 19 No : 2. 1 – 4.
- Putri N, Gunawan, dan Suarsa 2014. *Aktivitas Antioksidan Antosianin dalam Ekstrak Etanol Kulit Buah Naga Super Merah (Hylocereus costaricensis) dan Analisis Kadar Totalnya*. Bali ; Jurusan Kimia FMIPA Universitas Udayana.
- Rai, R., & Srinivas, C.R., 2007, Photoprotection., *Indian dermatol venerol lepro*, vol.73, issue 2.
- Rahmawati, A., 2009, Kandungan Fenol Buah Mengkudu, *Skripsi*, Fakultas Kedokteran, Universitas Indonesia.

- Rukmana. 2003. *Kaktus*. Cet 5. Kanisius. Yogyakarta.
- Sastrohamidjojo, H, 2001, Spektroskopi , *Liberty Press*, Yogyakarta
- Saini, N.K., Singhal, M., Srivastava, B., 2011, Evaluation of Antioxidant Activity of *Tecomaria capensis* Leaves Extract, *Ethnopharmacology*, Vol. 2011, Issue 2.
- Saewan, N., & Jimtaisong, A., 2013, Photoprotection of Natural Flavonoids, *Journal of applied pharmaceutical scienc*, vol.3 (09).
- Sayre R., Agin P., Marlowe E. Comparison of in vivo and in vitro testing of suncreening formulas. *Photochem. Photobiol.*, Oxford, v. 29, p. 559-566, 1979.
- Simanjuntak, P., Parwati T., Lenny L. E., Tamat S., Murwani R.. 2004. Isolasi dan Identifikasi Senyawa Antioksidan dari Ekstrak Benalu Teh, *Scurrula oortiana* (Korth) Danser (Loranthaceae). *Jurnal Ilmu Kefarmasian Indonesia ISSN 1693-1831*, Vol. 2 No. 1.
- Sirait, M. 2007. *Penuntun Fitokimia dalam Farmasi*. Institut Teknologi Bandung,Bandung.
- Soematmaji, D.W. 1998. Peran stress oksidatif dalam Patogenesis Angiopati Mikro dan Makro DM. dalam: *Medica*. 5 (24): 318-325.
- Stanfield and Joseph, W. 2003, Sun Protectans: Enhancing Product Functionality will Sunscreen, in Schueller, R Romanowski,P, *Multifunctional Cosmetic*, Marcell Dekker Inc, New York, USA.
- Sudewo, B., 2009, *Buku Pintar Hidup Sehat Cara Mas Dewo*, PT. Agro Media Pustaka, Jakarta.
- Suharyanto B, Prasetyo R, Melanoma Maligna dan Permasalahannya, Berkala Ilmu Penyakit Kulit dan Kelamin, *FK UNAIR*, Vol. 16 No. 2, Surabaya, Agustus 2004.
- Suhendi, A., Sjahid, L.R., Hanwar, D., 2011, Isolasi dan Identifikasi Flavonoid dari Daun Dewandaru (*Eugenia uniflora* L.), *Pharmacon*, Vol.12 No.2
- Sugrani, A., & Waji, R.A., 2009, Flavonoid (Quercetin), *Makalah*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Hasanuddin.
- Sumarny, R., Sofiah, S., Nurhidayati, L., Fatimah., 2014, Antioxidant activity of Mangosteen (*Garcinia mangostana* L.)Fruit Rind Extract in Oral Solution

Dosage Form, *Presentation*, International Symposium on Medicinal Plants & Traditional Medicine.

Supari F. 1996. Radikal Bebas dan Patofisiologi Beberapa Penyakit. Prosiding Seminar Senyawa Radikal dan Sistem Pangan: Reaksi Biomolekuler, Dampak terhadap Kesehatan dan Penangkalan. Bogor: Kerjasama Pusat Studi Pangan & Gizi IPB dengan Kedaulatan Perancis.

Tursiman, Puji. A, Risa. N. 2012. Total Fenol Fraksi Etil Asetat Dari Buah Asam Kandis (*Garcinia dioica* Blume). JKK. volume 1 (1). 45-48.

USEPA, 1999, EPA Guidance Manual Alternative Disinfectant and Oxidants, pp. 8-2. *Center for Environmental Research Information*, Cincinnati, OH.

Wasitaatmadja, S. M. 1997. *Penuntun Ilmu Kosmetik Medik*. Penerbit UI-Press. Jakarta.

Winarsi, H. 2007. *Antioksidan Alami dan Radikal Bebas*. Yogyakarta: Kanisius, Hal. 13;79-80.

Wisesa, T.B., & Widjanarko, S.B., 2014, Penentuan Nilai Maksimum Proses Ekstraksi Kulit Buah Naga Merah (*Hylocereus polyrhizus*), *Jurnal Pangan dan Agroindustri*, Vol.2 (3).88-97.