

## DAFTAR PUSTAKA

- Ahmed, M. N., Gowan, M., Azam, M. N. K., Mannan, M. A., Rahman, M. M., 2015, "Clinical Appraisals and Phytochemicals Potential of Ethnomedicinal Pteridophyte : *Drynaria quercifolia* (L.) J. Smith (Polypodiaceae)", *Pharmacology Online Newsletter*, 1:4-17.
- Anderson J. E., Goetz, C. M., McLaughlin, J. L., Suffness, M., 1991, "A blind comparison of simple bench-top bioassays and human tumour cell cytotoxicities as antitumor prescreens". *Phytochem Anal.* 2 : 107-111
- Anuja, G. I., Latha, P. G., Suja, S. R., Shyamal, S., Shine, V. J., Sini, S., Pradeep, S., Shikha, P., Rajasekharan, S., 2010, "Anti-inflammatory and analgesic properties of *Drynaria quercifolia* (L.) J. Smith", *J Ethnopharmacol.*, 132(2):456-60.
- Anuja, G. I., Latha, P. G., Suja, S. R., Shyamal, S., Shine, V. J., Sini, S., Pradeep, S., Shikha, P., Rajasekharan, S., 2014, "[Antioedematous and Analgesic Properties of Fertile Fronds of \*Drynariaquercifolia\*](#)", *ISRN Inflamm. eCollection*.
- Badan POM RI, 2005, "Standarisasi Ekstrak Tumbuhan Obat Indonesia, Salah Satu Tahapan Penting dalam Pengembangan Obat Asli Indonesia", *InfoPOM*, 6(4).
- BPOM RI, 2014. Peraturan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia Tentang Pedoman Uji Toksisitas Nonklinik Secara In Vivo. Nomor 7. P.1-26.
- Baxter, H., Harborne, J. B., and Moss, G. P., 1998, *Phytochemical Dictionary: A Handbook of Bioactive Compounds from Plants*, CRC Press.
- Beknal, A. K., Korwar, P. G., Halkai, M. A., Kulkarni, U., Patil, B. S., Soodam, S. R., 2010, "Phytochemical Investigation and Antioxidant Activity Study of *Drynaria quercifolia* Linn Rhizome", *International Journal of CURRENT PHARMACEUTICAL RESEARCH*, 2(4):36-39.
- Cannell, R.J.P., 1998, "Natural Product Isolation", Humana Press Inc., New Jersey, 4-5
- Chaity, F. R., Khatun, and M., Rahman, 2016, "In vitro membrane stabilizing, thrombolytic and antioxidant potentials of *Drynaria quercifolia* L., a remedial plant of the Garo tribal people of Bangladesh", *BMC Complement Altern Med.*, 16:184.
- Das, B., Dey, A., Das Talukdar, A., Nongalleima, Kh., Choudhury, M. D., Deb, L., 2014, "Antifertility efficacy of *Drynaria quercifolia* (L.) J. Smith on female Wister albino rats", *J Ethnopharmacol.* 153(2):424-9.
- Departemen Kesehatan Republik Indonesia, 2008, *Farmakope herbal Indonesia*. (Edisi 1). Jakarta: Depkes RI.
- Departemen Kesehatan RI, Direktorat Jenderal Pengawasan Obat dan Makanan, Direktorat Pengawasan Obat Tradisional, 2000, *Pedoman Pelaksanaan Uji Klinik Obat Tradisional*.
- Dewi, P. E. N. dan Wahyono, 2015, "Isolasi dan Identifikasi Senyawa Penanda dari Daun Jakang (*Muehlenbeckia platyclada* MEISSN)", *PHARMACY*, 12(02): 186-196.
- Dewoto, Hedi R., 2007, "Editorial: Pengembangan Obat Tradisional Indonesia Menjadi Fitofarmaka", *Maj Kedokt Indon*, 57(7) : 205.
- Fessenden, R.J., dan Fessenden, J.S., 1994, *Kimia Organik*, Jilid 1, Edisi ketiga diterjemahkan oleh Aloysius Hadyana Pudjaatmaka dari *Organic Chemistry*, 4th Ed., by Fessenden, R.J., and Fessenden, J.S., Penerbit Erlangga, Jakarta



- Gandjar, G. H. dan Rohman, A., 2007, *Kimia Farmasi Analisis*, Yogyakarta: Pustaka Belajar, hal 120, 164, 166
- Gandjar, I. G. & Rohman, A., 2012, *Analisis Obat secara Spektroskopi dan Kromatografi*, 315-317, Yogyakarta: Pustaka Pelajar
- Gašić, Uroš M., Natić Maja M., Mišić Danijela M., Lušić Darija V., Milojković-Opsenica Dušanka M., Tešić Živoslav Lj., Lušić Dražen, 2015, “Chemical markers [for the authentication of unifloral \*Salvia officinalis\* L. honey](#)”, *Journal of Food Composition and Analysis*, 44: 128-138.
- Gibbons, S., 2006, *An Introduction to Planar Chromatography*, Humana Press, Totowa New Jersey.
- Harborne, J.B, 1987, *Metode Fitokimia, Penuntun Cara Modern Menganalisis Tumbuhan*, diterjemahkan oleh Dr. Kosasih Patmawinata dan Dr. Iwang Soediro, ITB, Bandung.
- Hostettmann K, Marston A and Hostettmann M, 1997, *Preparative Chromatography Techniques-Applications in Natural Product Isolation, 2nd edn*. Berlin: Springer-Verlag.
- Hovenkamp, P.H., M.T.M. Bosman, E. Hennipman, H.P. Nootebom, G. Rodl-Linder, and M.C. Roos, 1998, *Polypodiaceae in Flora Malesiana Vol. 3 Series II - Ferns and Fern Allies*. Leiden: Rijksherbarium.
- Kandhasamy, M., Arunachalam, K. D., and Thatheyus, A. J., 2008, “*Drynaria quercifolia* (L.) J.Sm: A potential resource for antibacterial activity”, *African Journal of Microbiology Research*, 2:202-205.
- Khan, A., Islam, M. H., Islam, M. E., Al-Bari, M. A., Parvin, M. S., Sayeed, M. A., Islam, M. N., Haque, M. E., 2014, “Pesticidal and pest repellency activities of rhizomes of *Drynaria quercifolia* (J. Smith) against *Tribolium castaneum* (Herbst)”, *Biol Res.*, 47:51.
- Kushwaha, S. K. S., Kushwaha, N., Maurya, N., Rai, A. K., 2010, “Role of Markers in the Standardization of Herbal Drugs: A Review”, *Scholars Research Library Archives of Applied Science Research*, 2 (1) : 225-229.
- Lee, S. W., J-H. Lim, M. S. Kim, J-H. Jeong, G-Y. Song, W. S. Lee and M-C. Rho, 2011, “Phenolic Compounds Isolated from *Zingiber Officinale* Roots Inhibit Cell Adhesion”. *Food Chemistry*. 128(3): 778–782.
- Lu, F. C., 1995. *Toksikologi Dasar: Asas, Organ Sasaran, dan Penilaian Resiko, edisi 2*. Jakarta: Universitas Indonesia Press, p. 85-100.
- Lugrayasa, I N., 2004, *Ekologi Tumbuhan Paku di Taman Nasional Bogani Nani Wartabone, Sulawesi Utara*. Laporan Teknik Kebun Raya “Eka Karya” Bali. Bali: UPT Balai Konservasi Tumbuhan Kebun Raya Eka Bali LIPI.
- Manoi, F, 2006, “Pengaruh Cara Pengeringan Terhadap Mutu Simplisia Sambiloto”, *Bull.Litro*. 17 (1),1-5.
- McCutcheon, AR, 2002, “An Exploration of Current Issues in Botanical Quality: A Discussion Paper”, Canada: Natural Health Products, p. 1-11.
- Meyer, B.N., Ferrigni, N.R., Putnam, J.E., Jacobsen, L.B., Nichols, D.E., dan McLaughlin, J.L., 1982, “Brine Shrimp: A Convenient General Bioassay for Active Plant Constituent”, *Planta Medica*, 45:31-34.
- Mitra, R., Orbell, J., & Muralitharan, M. S., 2007, “Agriculture-medicinal plants of Malaysia”, *Asia Pacific Biotech News*, 11, 105-110.



- Mithraja, M. J., Irudayaraj V., Kiruba S., Jeeva, S., 2012, "Antibacterial efficacy of *Drynaria quercifolia* (L.) J. Smith (Polypodiaceae) against clinically isolated urinary tract pathogens". *Asian Pacific Journal of Tropical Biomedicine*. S131-S135.
- Mohanta, M. C., Dey, A., Abdur Rahman, S. M., Chowdhury, RR. N., 2013, "Evaluation of Anti-oxidant, Cyto-toxic and Anti-microbial Properties of *Drynaria quercifolia*", *Int. Res. J. Pharm.*, 4(7):46-48.
- Mulja, M., Suharman, 1995, *Analisis Instrumen, Cetakan 1*, 26-32, Airlangga University Press, Surabaya.
- Negara, A., 2003, "Penggunaan Analisis Probit untuk Pendugaan Tingkat Kepekaan Populasi *Spodoptera exigua* Terhadap Delmaterin di Daerah Istimewa Yogyakarta", *Informatika Pertanian*, Vol 12.
- Patra KC, Pareta SK, Harwansh RK, Kumar KJ, 2010, "Traditional approaches towards standardization of herbal medicines-A review". *J Pharm Sci Technol*. 2: 372-379.
- Pecsok, R. L., Shileds, L. D., Cairns, T., and McWilliam, I.G., 1976, "Modern methods of chemical analysis. 2<sup>nd</sup> ed." John Wiley & Sons, Inc., New York.
- Pringgoutomo, S., 2007, *Riwayat perkembangan pengobatan dengan tanaman obat di dunia timur dan barat. Buku ajar Kursus Herbal Dasar untuk Dokter*, Jakarta: Balai Penerbit FKUI.
- Prasanna, G. and Anuradha, R., 2016, "Review Article: A Comprehensive Review on Phytopharmacological Activities of *Drynaria quercifolia* L.", *International Journal of Pharmacognosy and Phytochemical Research*, 8(8):1304-1313.
- Prakash, A., Rigelhof, F., and Miller, E., 2001, "Antioxidant Activity", *Medallion Laboratories, Analithycal Progress*, 19(2), 1-4.
- Quignard, E. L. J., Pohlit, A. M., Nunomura, S. M., da Silva Pinto, A. C., dos Santos, E. V. M., de Morais, S. K. R., 2003, "Screening of plants found in amazonas state for lethality toward brine shrimp", *Acta Amaz*, 33 (1) : 93-104.
- Rahmatullah, M., Azam, N.K., Khatun, Z., Seraj, S., Islam, F., Rahman, A., Jahan, S., Aziz, S., 2012, "Medicinal plants used for treatment of diabetes by the marakh sect of the Garo tribe living in Mymensingh district, Bangladesh", *Afr J Tradit Complement Altern Med.*, 9(3):380-385.
- Rajendran, A., and Rajan, S., 1996, "*Drynaria quercifolia* - an antifertility agent", *Anc Sci Life.*, 15(4):286-7.
- Ramesh, N., Viswanathan, M. B., Saraswathy, A., Balakrishna, K., Brindha, P., Lakshmanaperumalsamy, P., 2001, "Phytochemical and antimicrobial studies on *Drynaria quercifolia*", *Fitoterapia.*, 72(8):934-6.
- Ramjan, A., Hossain, M., Runa, J. F., Md, H., Mahmudul, I., 2014, "Evaluation of thrombolytic potential of three medicinal plants available in Bangladesh, as a potent source of thrombolytic compounds", *Avicenna J Phytomed.*, 4(6):430-6.
- Runa, J. F., Hossain, M., Hasanuzzaman, Md., and Ali, Md. R., 2013, "Investigation of Phenolic Profiles, Cytotoxic Potential and Phytochemical Screening of Different Extracts of *Drynaria quercifolia* J. Smith (Leaves)", *Adv Pharm Bull.* 3(2): 465-467.



**ISOLASI DAN IDENTIFIKASI SENYAWA PENANDA TUMBUHAN PAKU KEPALA TUPAI (*Drynaria quercifolia* Linn. J. Sm.) DARI KOTAWARINGIN BARAT, KALIMANTAN TENGAH**

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[Saravanan, S.](#), [Mutheeswaran, S.](#), [Saravanan, M.](#), [Chellappandian, M.](#), [Gabriel Paulraj, M.](#), [Karunai Raj, M.](#), [Ignacimuthu, S.](#), [Duraipandiyan, V.](#), 2013, "Ameliorative effect of *Drynaria quercifolia* (L.) J. Sm., an ethnomedicinal plant, in arthritic animals", *Food Chem Toxicol.*, 51:356-63.

Sarker, SD., Latif, Z and Gray, Al., 2006, *Natural Product Isolation*, Humana Press inc, Totowa New Jersey.

Sastrohamidjojo, H., 2007, *Spektroskopi*, Yogyakarta: Liberty.

Shokeen, P., Ray, K., Bala, M., Tandon, V., 2005, "Preliminary Studies on Activity of *Ocimum sanctum*, *Drynaria quercifolia*, and *Annona squamosa* Against *Neisseria gonorrhoeae*", *Sexually Transmitted Diseases*, 32(2):106-111.

Skoog, D.A. and D.M. West, 1971, "*Principles of instrumental analysis*". Holt, Rinehart and Winston, Inc., New York.

Sudarsono, Ratnawati dan Budiwati, 2005, *Taksonomi Tumbuhan Tinggi*, Malang: UM Press.

Suhendi, A., Landyyun Rahmawan Sjahid, Dedi Hanwar, 2011, "Isolasi dan Identifikasi Flavonoid dari Daun Dewandaru (*Eugenia uniflora* L.)", *Pharmakon*, Vol. 12, No. 2, (73-81).

Suradikusuma E., 2003, *Teknik Uji Hayati*, Bogor: Institut Pertanian Bogor.

Tampubolon, O.T., 1988, *Tumbuhan obat bagi pecinta alam, Edisi 1*, Jakarta: Penerbit Bharata Karya Aksara.

Tan, J. B. L., and Lim, Y. Y., 2015, "Antioxidant and tyrosinase inhibition activity of the fertile fronds and rhizomes of three different *Drynaria* species", *BMC Res Notes.*, 8:468.

Tim Tropical Plant Curriculum, 2012, *Modul Tanaman Obat Herba Berakar Rimpang*, Bogor: South East asean Food and Agricultural Science and Technology (SEAFST) Center, Research and Community Service Institution Bogor Agricultural University.

Trevor Robinson. 1995. *Kandungan Organik Tumbuhan Tinggi*. Bandung: Penerbit ITB.

Trisyono, A., and M., E. Whalon, 1997, "Toxicity of Neem Applied Alone and Combination with *Bacillus thuringiensis* to Colorado Potato Beetle (Coleoptera: Crysomelidae)", *Journal of Economic Entomology* 92(6):1281-1288.

Wagner, H. dan Bladt, S., 1996, "Plant Drug Analysis: A Thin Layer Chromatography Atlas", Springer-Verlag Berlin Heidelberg, New York, hal. 359-364.

Wahyuono, Subagus, 2005, *Evaluasi Bioaktivitas Tanaman Obat Koleksi Kalimantan Tengah*, Yogyakarta: Departemen Biologi Farmasi, Fakultas Farmasi, Universitas Gadjah Mada.

Winangsih dan Prihastanti, E., Parman, S., 2013, *Pengaruh Metode Pengeringan Terhadap Kualitas Simplisia Lempuyang Wangi (*Zingiber aromaticum* L.)*, *Buletin Anatomi dan Fisiologi*. 21(1), 19- 25.

Yumita, A., Suganda, A. G., & Sukandar, E. Y., 2013, "Xanthine oxidase inhibitory activity of some Indonesian medicinal plants and active fraction of selected plants". *Int. J. Phar. Sci*, 5(2), 293-296.

<https://rini0406.wordpress.com/2011/04/30/tumbuhan-paku-drynaria> (diakses 18 agustus 2016)

<http://biodiversitas.mipa.uns.ac.id/D/D0703/D070307.pdf> (diakses 18 agustus 2016)



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[OPHYTA%29.pdf](#) (diakses 18 agustus 2016)

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