

## DAFTAR PUSTAKA

- Abbas, A.K., Litchman, A.H., Pillai, S., 2007, *Cellular and Molecular Immunology*, International Edition, 6<sup>TH</sup> Edition, Saunder, *Elsivier Inc.*, Philadelphia, 4, 6, 11, 15, 49, 154, 410-411.
- Affriani, C. A., 2015, Aktivitas Imunomodulator Kombinasi Ekstrak Etanolik Daun Sirih Merah (*Piper crocatum* Ruiz & Pav) dan Umbi Keladi Tikus (*Thyponium flagelliforme* (Lodd) Blume) pada tikus jantan galur sprague-Dawley, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Amanna, I.J., and Slifka, M.K., 2011, Contributions of humoral and cellular immunity to vaccine-induced protection in humans, Review, *Virology*, 411, 206-205 .
- Andayani, S., 2011, Immunomodulatory Effect Of Alkaloid BioactiveSubstances Of Jellyfish (*Bougainvillia* Sp) On Tiger Grouper (*Epinephelusfusco guttatus*) Innate Immune Response, *International Conference on Food Engineering and Biotechnology*, 9, 203-207.
- Andersen, Q.M., and Markham, K.R., 2009, *Flavonoid, Chemistry, Biochemistry and Applications*, CRC Press, USA, 2.
- Andrian, U. H., and Sallusto, F., 2007, Lymphocyte activation, Editorial overview, *Current Opinion in Immunology*, Vol 19, 247–248.
- Arnas., Y., 2009, Pengaruh Pemberian Seduhan Teh Hitam (*Camellia sinensis*) Dosis Bertingkat terhadap Proliferasi Sel Limfosit Mencit *Balb/C* yang Diinokulasi *Salmonlla typhimurium*, *Skripsi*, Fakultas Kedokteran, Universitas Diponegoro, Semarang.
- Ariani, S.R.D., Susilowati, E., Elfi, S.VH., and Setiyani. 2008. Activity Test of Guava (*Psidium guajava* L.) Leaf Methanol Extract Contraception Antifertility to White Mice (*Rattus Novergicus*).Chemistry Study Program.Faculty of Education.Sebelas Maret university.Jurnal.
- Ashok, P.K., and Upadhyaya,K., 2012, Tannins are Astringent, *Journal of Pharmacognosy and Phytochemistry*, Vol 1(3), 45-50.
- Avila, E.V., and Pugsley, M.K., 2011, An Overview of Colorimetric Assay Methods Used to Assess Survival or Proliferation of Mammalian Cells, *Review Proc. West. Pharmacol. Soc.*,Vol 54, 10-14.

Bayer, D., Jansen, J., and Beltz, L.A., 2012, Differential Effects of Tea Extracts on Growth and Cytokine Production by Normal and Leukemic Human Leukocytes, *Functional Foods in Health and Disease*, Vol 2(4), 72-85.

BPOM RI, 2008, *Taksonomi Koleksi Tanaman Obat Kebun Tanaman Obat Citeureup*, Badan Pengawas Obat dan Makanan Republik Indonesia, 79.

Brescia, P., and Banks, P., 2009, Quantifying Cytotoxicity of Thiomicrostrep ton on Mesothelioma Cells using MTT Assay and the Epoch<sup>TM</sup>Microplate Spectrophotometer.

Ciesla, B., 2007, Hematology In Practice, 134-136, F. A Davis Company, Philadelphia.

D'Archivio, M., Filesi, C., Benedetto, R.D., Gargiulo, R., Giovannini, C., and Masella, R., 2007, Polyphenols, dietary sources and bioavailability, *Ann Ist Super Sanità*, Vol. 43(4), 348-361.

Depkes, RI., 1979, *Farmakope Indonesia*, Edisi III, Departemen Kesehatan Republik Indonesia, Jakarta, 915-916.

Devasena,T., Durga, M., and Nathiya, S., 2014, Review Article Immunomodulatory And Antioxidant Actions Of Dietary Flavonoids, *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 6(2), 50-56.

Díaz-de-Cerio, E., Verardo, V., Gómez-Caravaca, A.M., Fernández-Gutiérrez, A., and Segura-Carretero, A., 2015, Determination of Polar Compounds in Guava Leaves Infusions and Ultrasound Aqueous Extract by HPLC-ESI-MS, Research Article, *Journal of Chemistry*, Hindawi Publishing Corporation, Vol 5, 1-9.

El-Gamal, Y.M., Elmasry, O.A., El-Ghoneimy, D.H., Soliman, .M., 2011, Immunomodulatory effects of food, Review Article, *Egypt J Pediatr Allergy Immunol*, Vol 9(1), 3-13.

Federer, W., 1991, *Statistic and Society: Data Collection and Interpretation*, Second edition, Marcel Dekker, New York.

Ganjuri, M., Drakhsan, S., and Taghizad, F, 2016, A Review on Pharmacological and Therapeutic Properties of Echinacea, *International Journal of Pharmacovigilance*, Vol 1 (1), 1-8.

Gunawan, D., dan Mulyani, S., 2004, *Ilmu Obat Alam (Farmakognosi)*, Jilid I, Cetakan I, Penebar Swadaya, Jakarta, 12-13.

Gutiérrez, R.M.P., Mitchell, S., Solis, R.V., 2008, Review *Psidium guajava*: A review of its traditional uses, phytochemistry and pharmacology, *Journal of Ethnopharmacology*, **Vol 117**, 1-27.

Handa, S.S., Khanuja, S.P.S., Longo, G., and Rakesh, D.D., 2008, *Extraction Technologies for Medicinal and Aromatic Plants*, International Centre for Science and High Technology, Trieste, Italy, 22-23, 31.

Harborne, J. B., 1987, *Metode Fitokimia (Penuntun Cara Modern Menganalisis Tumbuhan)*, diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro, Cetakan ke-2, 8, 49-50-51, 92, ITB, Bandung.

Herbert, T.B., Coriell, M., and Cohen, S., 1994, Analysis of Lymphocyte Proliferation Data : Do Different Approaches Yield the Same Results?, *Brain Behavior Immunity*, **Vol 8**, 153-162.

Hertiani, T., Sasmito, E., Sumardi, and Ulfah, M., 2010, Preliminary Study on Immunomodulatory Effect of Sarang-Semut Tubers *Myrmecodiatusberosa* and *Myrmecodiapendens*, *On Line Journal of Biological Sciences*, **Vol 10 (3)**, 136-141.

Holub, M.C., 2012, Vaccination, in Fullop, A.K.,(Eds.), Seminars In Immunology, Semmelweis University, Budapest, 101-102.

Ifandari, 2011, Respon Proliferasi Limfosit Pada Organ Limpa Timus Mencit Balb/C yang Terinfeksi bakteri *Salmonella thypi* pada Pemberian Ekstrak Meniran Merah (*Phyllanthusurinaria*), *Tesis, Program Pasca Sarjana Universitas Sebelas Maret Surakarta*.

Joseph, B., 2011, Review On Nutritional, Medicinal And Pharmacological Properties Of Guava (*PsidiumGuajava* Linn.), Review Article, *International Journal Of Pharma And Bio Sciences*, **Vol 2(1)**, 53-69.

Keerthi, M., Lakshmi, P.J, Santhosh, A.M., Rama, R.N., 2014, Review On Polyphenols As Natures Gift, *World Journal Of Pharmacy And Pharmaceutical Sciences*, **Vol 3(4)**, 445-455.

Khusnawati, N.N., Pramono, S., Dan Sasmito, E., 2015, Pengaruh Ekstrak Etanolik 50% Herba Pegagan (*Centella Asiatica* L.) Urban) Terhadap Peningkatan Proliferasi Sel Limfosit Mencit Jantan GalurBalb/C Yang Diinduksi Vaksin Hepatitis B, *Trad. Med. J.*, **Vol 20(3)**, 164-169.

Kumar,K.M., and Ramaiah, S., 2011, Review Article Pharmacological Importance Of *Echinacea Purpurea*, *International Journal Of Pharma And Bio Sciences*, **Vol 2(4)**, 304-314.

McKay, D.L., Blumberg, J.B., 2002, The Role of Tea in Human Health: An Update, Review, *Journal of the American College of Nutrition*, **Vol. 21(1)**, 1-13.

MacIver, N.J., Jacobs, S.R., Wieman, H.L., Wofford, J.A., Coloff, J.L., and Rathmell, J.C., 2008, Glucose metabolism in lymphocytes is a regulated process with significant effects on immune cell function and survival, *Journal of Leukocyte Biology*, **Vol 84**, 949-957.

Mahima, Ingle, A.M., Verma,A.K., Tiwari, R., Karthik, K., Chakraborty, S., Deb, R., Rajagunalan, S., Rathore, R., and Dhamo, K., 2013, Immunomodulators in Day to Day: A Review, *Pakistan Journal of Biological Sciences*, **Vol 16(3)**, 826-843.

Mailoa, M.N., Mahendradatta, M., Laga, A, and Djide, N., 2013, Tannin Extract Of Guava Leaves (*Psidium Guajava L*) Variation With Concentration Organic Solvents, *International Journal Of Scientific & Technology Research*, **Vol 2(9)**, 106-110.

MIMS, 2015, *MIMS Petunjuk Konsultasi*, Edisi 14, PT. Buana Ilmu Populer (Kelompok Gramedia), Jakarta, 299.

Mistrikiova, I., and Vaverkova,S., 2006, *Echinacea* – chemical composition, immunostimulatory activities and uses, *Thaiszia Journal Of Botany*, **Vol 16**, 11-26.

Mohla,S., Humphries, M.J., White, S.L., Matsumoto, K., Newton,S.A., Sampson,C.C., Bowen, D., and Olden, K., 1988, Swainsonine: A New Anti neoplastic Immunomodulator, *Journal Of The National Medical Association*, **Vol 81**, 10.

Mosmann,T., 1983, Rapid Colorimetric Assay for Cellular Growth and Survival, *Journal of Immunological Method*, **Vol 65**, 55-63.

Mukherjee, P.K., Nema, N.K., Bhadra, S., Mukherjee, D., Braga, F.C., and Matsabisa, M.G., 2013, Immunomodulatory leads from medicinal plants, *Indian Journal of Traditional Knowledge*, **Vol 13(2)**, 235-256.

NHS, 2011, *Supplements Who needs them?*, NHS Choices.

NICRS, 2015, *Fact Sheet Hepatitis B*, Hepatitis B vaccines for Australians, 4.

- Pantas, F. M., 2009, Pengaruh Pemberian Seduhan Teh Hitam (*Camelliasinensis*) Dosis Bertingkat terhadap Aktifitas Fagositosis Makrofag Mencit Balb/C yang Diinokulasi *Salmonella typhimurium*, Skripsi, Fakultas Kedokteran Universitas Diponegoro, Semarang.
- Peranginangin, J. N., Saptarini, O., Ismawati, E., Wihardy, R. A., and Fadly, R., 2014, Effect of Steeped Black Tea (*Camellia sinensis* (L.) var. Assamica) on Immunoglobulin Titer and Lymphocyte Proliferation in Responses to Hepatitis B Vaccine in Mice, *Procedia Chemistry*, Vol 13, 128-133.
- Prastiwi, R., Kisriani, Iqbal, A., dan Kristi, A., 2015, Aktivitas Imunomodulator Ekstrak *n*-Heksana, Etil Asetat dan Metanol Biji Jinten Hitam (*Nigella sativa* L.) *Journal of Pharmaceutical Science and Pharmacy Practice*, 2.
- Rabson, A., Roitt, I.M., and Delves, P.J., 2005, Really *Essential Medical Immunology*, Second Edition, Blackwell Publishing Ltd, USA, 92.
- Rao, C.S., 2015, Research & Reviews: Journal of Pharmacognosy and Phytochemistry, Comparative Study of Tannin Fraction from Psidium guajava Linn.Leaves and Bark for Wound Healing Activity, *JPRPC*, Vol 3(4), 52-58.
- Ravikumar, C., 2014, Review on Herbal Teas, *J. Pharm. Sci. & Res.*, Vol. 6(5), 236-238.
- Rios, J.L., 2010, Effects of triterpenes on the immune system, *Journal of Ethnopharmacology*, Vol 128, 1-14.
- Said, K.A.B.M, 2009, Ultrasonic Extraction Of Antioxidant Compound In Guava. Faculty of Chemical & Natural Resources Engineering, *Thesis*, Faculty of Chemical & Natural Resources Engineering, Malaysia University, Pahang.
- Saputra, K. A., Uji Penghambatan Aktivitas Xantin Oksidase secara *In Vitro* pada Teh Celup Kombinasi Daun Gandarusa (*Justicia gendarussa* Burn.) dan Kaliks Rosela (*Hibiscus sabdariffa* Linn.), Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Indonesia, Jakarta.
- Saroj, P., Verma, M., Jha, K.K., And Pal, M., 2012, An Overview On Immunomodulation, *Journal Of Advanced Scientific Research*, Vol 3(1), 07-12.
- Sastrohamidjojo, H., 2005, *Kromatografi*, Edisi 2, 28-30,34, Liberty, Yogyakarta.

- Shabbir, A., Butt, H.I., Shahzad, M., Arshad, H.M., and Waheed, 2016, Immunostimulatory Effect Of Methanolic Leaves Extract Of *Psidium Guajava*(Guava) On Humoral And Cell-Mediated Immunity In Mice, *The Journal of Animal & Plant Sciences*, Vol 26(5), 1492-1500.
- Tjitrosoepomo, G., 2005, *Taksonomi Umum (Dasar-Dasar Taksonomi Tumbuhan)*, Gadjah Mada University Press, Yogyakarta, 74-75.
- Tsai, K.D., Lin, B.R., Perng, D.S., Wei, J.C., Yu, Y.W., and Ming Cherng, J., 2011, Immunomodulatory effects of aqueous extract of *Ocimumbasilicum* (Linn.) and some of its constituentson human immune cells, *Journal of Medicinal Plants Research*, Vol 5(10), 1873-1883.
- Wagner, H., and Bladt, S., 2001,*Plant Drugs Analysis A Thin Layer Chromatography Atlas second edition*. New York: Springer Verlag Berlin Heidenberg.
- Weidosari, E., 2007, Peranan Imunomodulator Alami (*Aloe Vera*) Dalam SistemImunitas Seluler Dan Humoral, *Wartazoa*,Vol 17(4),165-171.
- WHO, 2012, *Information Sheet Observed Rate Of Vaccine Reactions Hepatitis B Vaccine*, Geneva.
- Wu, J.W., Hsieh, C.L., Wang, H. Y., and Chen, H.Y., 2009,Inhibitory Effects of Guava (*Psidium guajavaL.*) Leaf Extracts and Its Active Compounds on The Glycation Process of Protein, *Journal of FoodChemistry*, 113, 78-84.
- Yang, Z., and Xiong, H.R., 2012, Culture Conditions and Typesof Growth Media for Mammalian Cells, in Nelli, L.C., and Matteoli, (Eds.), *Biomedical Tissue Culture*, Intech Publisher, Open Acess Company, 11.