

## DAFTAR PUSTAKA

- Alam G, Wahyuono S, Ganjar IG, Hakim L, Timmerman H,Varpoorte R. 2002 . Tracheospasmodic Activity of Viteosin-A And Vitexicarpin Isolated from *Vitex trifolia*. *Planta Med.* Vol 68, pp 1047-1049.
- C.S. Alisi and Onyeze, G.O.C. 2008. Nitrite Oxide Scavenging Ability of Ethyl Acetate Fraction of Methanolic Leaf Extract of *Chromolaena odorata* (Linn.). *Africa Journal Biochemical Research.* Vol 2.(7), pp 145-150.
- DitJen POM Depkes RI. 1995. *Farmakope Indonesia*. Edisi IV. DepKes RI. Jakarta.
- Erel, O. 2004. A Novel Automated Direct Measurement Method For Total Antioxidant Capacity Using A New Generation, More Stable ABTS Radical Cation. *Journal Of Clinical Bichemistry.* Vol 37(4) pp, 277-285.
- Firdianny, I., Rahmiyani, I., Irasutisna, K. 2013. Antioxidant Capacities From Various Leaves Extracts of Four Varieties Mangoes Using DPPH, ABTS Assays and Correlation With Total Phenolic, Flavonoid, Carotenoid. *Internasional Pharmacy and Pharmaceutical* Vol 5, pp 189-194.
- Gu, T. 2000. *Liquid-Liquid Partitioning Methods for Bioseparations.* Separations Sains and Technology : New York. Vol 2, pp 329-364.
- Gunawan D. dan Sri Mulyani. 2005. *Ilmu Obat Alam (Farmakognosi)*. Bogor : Penebar Swadaya.
- Halvorsen, B.L., Holte, K., Myhrstad, M.C.W., Barikmo, I., Hvattum, E., Remberg, S.F., Wold, A., Haffner, K., Bauger, H., Andersen, L., Moskaug, J., Jacobs, D.R., Blomhoff, R. 2002. A Systematic Screening of Total Antioxidant in Dietary Plants. *American Society for Nutritional Journal.* Vol 132, pp 461-471.
- Hariana, A. 2008. *Tumbuhan Obat dan Khasiatnya Seri 2*. Jakarta : Penerbit Swadaya
- Harbone, J.B. 1987. *Metode Fitokimia Penuntun Cara Modern Menganalisa Tumbuhan Ed ke-3*. Bandung (ID): ITB
- Jayanthi, P. dan Lalitha, P. 2011. Reducing Power of The Solvent Extracts of *Eichhornia crassipes* (Mart.) Solms. *International Journal Pharmacy and Pharmaceutical Sci.* Vol 3 (3), pp 126-128.
- Jones, E., Sam Michael, G Sitta Sitampalan. 2016. *Basics of Assay Equipment and Instrumentation for High Throughput Screening*.

*Assay Guidance Manual*. Bethesda MD : Eli Lilly & Company and the National Center for Advancing Translational Sciences.

- Kim, J. S. 2006. Radical Scavenging Capacity and Antioxidant Activity of the Vitamer Fraction in Rice Bran. *Journal of Food Science*. Vol 70(3), pp 208-213.
- Kousy S, Mohamed M, Mohamed S. 2012. Phenolic and biological activities of *Vitex trifolia* aerals parts. *Life Science Journal* . 9(2), pp 670-677.
- Pfuzia A, Devi RB, Sharatchandra K, Debashree BN, Banylla SN, Sania KH, et al. 2013. Studies on the anti-inflammatory effect of the aqueous. *International Journal Pharmacy Biology Science*. Vol 4(5), pp 88-93.
- Marliana, S.D., Suryanti, V., dan Suyono. 2005. Skrining Fitokimia dan Analisis Kromatografi Lapis Tipis Komponen Kimia Buah Labu Siam (*Sechium edule* Jacq. Swartz.) dalam Ekstrak Etanol. *Jurnal Biofarmasi*. Vol 3(1), pp 26-31.
- Mastuti, R. 2015. Skrining Fitokimia dan Uji Aktivitas Antioksidan Ekstrak Etanol Bunga Celosia. *BioWallacea Jurnal Ilmiah Ilmu Biologi*. 2. (3). hal.143-148.
- Mayara, T., Castilo, D., Serrao, C., Iobato, A., and Silva, R. 2016. Antioxidant effect of plant extracts of the leaves of *Tithonia diversifolia* (Hemsl.) A.Gray on the free radical DPPH. *Journal of Chemical and Pharmaceutical Research*. Vol 8(8), pp1182-1189.
- Meydani SN, Wu D, Santos MS, Hayek MG. 1995. Antioxidants and immune response in aged persons: Overview of present evidence *The American Journal of Clinical Nutrition*, Vol. 62(6), pp 1462S.
- Molyneux, P. 2004. The use of the stable free radical diphenyl picrylhydrazyl (DPPH) for estimating antioxidant activity. *Journal Science of Technology*. Vol 26(2), 211-219.
- Nather, S.E., Sekar, C., Amutharaj, P., Rahman, M.S.A., and Khan, K.F. 2012. Evaluation of antibacterial activity of *Morinda citrifolia*, *Vitex trifolia* and *Chromolaena odorata*. *African Journal of Pharmacy and Pharmacology*. Vol 6(11), pp 783-788.
- Olieveraa, S. de, Souzaa, G. A. de, Eckerta, C. R., Silvaa, T. A., Sobralb, E. S., Fáverob, O. A., Ferreirab, M. J. P., Romoffb, P., and Baadera, W.J. 2014. Evaluation Of Antiradical Assays Used In Determining The Antioxidant Capacity Of Pure Compounds And Plant Extracts. *Journal of Quim Nova*. Vol. 37, pp 497-503.

- Pulido R, Bravo L, Saura-Calixto F. 2000. Antioxidant Activity of Dietary Polyphenols as Determined by a Modified Ferric Reducing/Antioxidant Power. *Journal of Agricultural Food Chemistry*. Vol 48 (8), pp 3396-3042.
- Reveny, J. 2011. Daya Antimikroba Ekstrak dan Fraksi Daun Sirih Merah (Piper betle L.). Fakultas Farmasi Universitas Sumatra Utara. *Jurnal Ilmu Dasar*. Vol 12(1) pp 6-12.
- Saklani, S., Mishra, A., Chandra, H., Atanassova, M., Stankovic, M., Sati, B., Shariati, M.A., Nigam, M., Khan, M.U., Plygun, S., Elmesellem, H., Suleria, H.A.R (2017). Comparative Evaluation of Polyphenol Contents and Antioxidant Activities between Ethanol Extracts of Vitex negundo and Vitex trifolia L. Leaves by Different Methods. *Journal of Plants*. Vol 6(4), pp 45.
- Shah, S., Dananti, T., Kumar, S. 2013. Comparative evaluation of antioxidant potential of extracts of Vitex negundo, Vitex trifolia, Terminalia bellerica, Terminalia chebula, Embelica officinalis and Asparagus racemosus. *Innovations in Pharmaceuticals and Pharmacotherapy*. Vol 1 (1), pp 44-45.
- Sayuti, K., dan Yenrina, R. 2015. *Antioksidan Alami dan Sintetik*. Padang : Andalas University Press, hal.10-14.
- Sriwahyuni, I. 2010. Uji Fitokimia Ekstrak Tanaman Anting-Anting (Acalypha Indica Linn) dengan Variasi Pelarut dan Uji Toksisitas Menggunakan Brine Shrimp (Artemia salina Leach). *Fakultas Sains dan Teknologi Universitas Islam Negeri Maulana Malik Ibrahim Malang*.
- Suchitra, M., and Binoy V.C. 2018. *Vitex Trifolia: An Ethnobotanical And Pharmacological Review*. *Asian Journal of Pharmaceutical and Clinical Research*. Vol 11(4), pp 12-14.
- Sunarni, T., Pramono, S. & Asmah, R. 2007. Flavonoid antioksidan penangkap radikal dari daun kepel (Stelechocarpus burahol (bl.) hook f. & th.). *Indonesian Journal of Pharmacy*. Vol 18(3), pp 111-116.
- Susanti, N. M. P., Dewi, L. P. M. K., Manurung, H. S., & Wirasuta, I. M. A. G. 2017. Identifikasi Senyawa Golongan Fenol Dari Ekstrak Etanol Daun Sirih Hijau (Piper Betle Linn.) Dengan Metode Klt-Spektrofotodensitometri. *Metamorfosa: Journal of Biological Sciences*. Vol 4(1) : 108.
- Vijayalakshmi, M., and Kandasamy R. 2016. Ferric Reducing Anti-oxidant Power assay in Plant Extract. *Bangladesh Journal Pharmacol* Vol 11, pp 570-572

- Wang, C.C., Chu, C.Y., Chu, K.O., Choy, K.W., Khaw, K.S., Rogers, M.S. and Pang, C.P.. 2004. Trolox-Equivalent Antioxidant Capacity Assay Versus Oxygen Radical Absorbance Capacity Assay in Plasma. *Journal of Clinical Chemistry*. 50 (5): 952-95.
- Wee, Haii-Ning, Neo, S.Y., Sing D., Yew, H.C., Qiu, Z.Y., Tsai, X.R.C., How, Y.S., Yip, K.Y.C., Tan, C.H., Koh, H.L. 2020. Effects of Vitex trifolia L. leaf extracts and phytoconstituents on cytokine production in human U937 macrophages. *Journal Of BMC Complementary Medicine and Therapies*. Vol 20 (1) pp 20-91
- Wijaya Hendra & Junaidi L. 2011. Antioksidan : Mekanisme Kerja dan Fungsinya dalam Tubuh Manusia. *Journal of Agro-Based Industry*. Vol. 28 No.2. hal 44-55.
- World Health Organization. 2008. *Maintenance Manual for Laboratory Equipment (2 nd Edition)*. Geneva, Switzerland : WHO Press.
- Yazid E. 2005. *Kimia Fisika Untuk Paramedis*. ANDI : Yogyakarta.
- Yuslianti, E.R. 2018. *Pengantar Radikal Bebas dan Antioksidan*. Yogyakarta : Deepublish.

## LAMPIRAN

### Skema Kerja

