

## DAFTAR PUSTAKA

- Ahmad, F. B., dan Holdsworth, D. K. 1995. Traditional medicinal plants of Sabah, Malaysia part III. The Rungus people of Kudat. *International Journal of Pharmacology*. 33 : 262–264.
- Ahn, J., Grün, I. U., dan Fernando, L. N. 2002. Antioxidant properties of natural plant extracts containing polyphenolic compounds in cooked ground beef. *Journal of Food Science*. 67 (4) : 1364–1369.
- Aminabhavi, T. M., Balundgi, R. H., dan Cassidy, P. E. 2008. A review on biodegradable plastics. *Polymer-Plastics Technology and Engineering*. 29 : 235-262.
- Antolovich, M., Prenzler, P. D., Patsalides, E., McDonald, S., dan Robards, K. 2002. Methods for testing antioxidant activity. *Analyst*. 127 : 183–198.
- Appendini, P., dan Hotchkiss, J. H. 2002. Review of antimicrobial food packaging. *Innovative Food Science and Emerging Technologies*. 3 (2) : 113-126.
- Apu, A.S., Muhit, M.A., Tareq, S.M., Pathan, A.H., Jamaluddin, A.T.M., dan Ahmed, M. 2010. Antimicrobial activity and brine shrimp lethality bioassay of the leaves extract of *Dillenia indica* Linn. *Journal of Young Pharmacist*. 2 (1) : 50–53.
- Armania, N., Yazan, L. S., Musa, S. N., Ismail, I. S., Foo, J. B., Chan, K. W., Noreen, H., Hisyam, A. H., Zulfahmi, S., dan Ismail, M. 2013. *Dillenia suffruticosa* exhibited antioxidant and cytotoxic activity through induction of apoptosis and G2/M cell cycle arrest. *Journal of Ethnopharmacology*. 146 : 525-535.
- Ayana, B., dan Turhan, K. N. 2009. Use of antimicrobial methylcellulose films to control *Staphylococcus aureus* during storage of kasar cheese. *Packaging Technology and Science*. 22 : 461–469.
- Baird, R. J. 1986. Industrial Plastik. New York : The Goodheart – Willcox Company. Inc.

- Baker, C. A. 1984. Methylcellulose and sodium carboxymethylcellulose: An evaluation for use in paper conservation through accelerated aging. *Studies in Conservation*. (29) : 55-59.
- Bañón, S., Díaz, P., Rodríguez, M., Garrido, M.D., dan Price, A. 2007. Ascorbate, green tea and grape seed extracts increase the shelf life of low sulphite beef patties. *Meat Science*. 77 : 626–633.
- Bhakuni, D.S., Dhar, M.L., Dhar, M.M., Dhawan, B.N., dan Mehrotra, B.N. 1968. Screening of Indian plants for biological activity Part II. *Indian Journal of Experimental Biology* 7 : 250–262.
- Biquet, B., dan Labuza, T. P. 1988. Evaluation of the moisture permeability characteristic of chocolate films as an edible moisture barrier. *Journal of Food Science*. 53 (4) : 989–998.
- Brand-Williams, W., Cuvelier, M. E., dan Berset, C. 1995. Use of a free radical method to evaluate antioxidant activity. *LWT-Food Science and Technology*. 29 : 25-30.
- Burton, G.W., dan Traber, M.G. 1990. Vitamin E: antioxidant activity, biokinetics, and bioavailability. *Annual Review of Nutrition*. 10 : 357–382.
- Carocho, M., dan Ferreira, I. C. F. R. 2013. A review on antioxidants, prooxidants and related controversy: Natural and synthetic compounds, screening and analysis methodologies and future perspectives. *Food and Chemical Toxicology*. 51 : 15–25.
- Chevillard, C., dan Axelos, M. A. V. 1997. Phase separation of aqueous solution of methylcellulose. *Colloid and Polymer Science*. 275 : 537-545.
- Chouliara, E., Karatapanis, A., Savvaidis, I. N., dan Kontominas, M. G. 2007. Combined effect of oregano essential oil and modified atmosphere packaging on shelf-life extension of fresh chicken breast meat, stored at 4 °C. *Food Microbiology*. 24 : 607–617.
- Contini, C., Álvarez, R., O'Sullivan, M., Dowling, D.P., Óg Gargan, S., dan Monahan, F.J. 2014. Effect of an active packaging with citrus extract on lipid oxidation and sensory quality of cooked turkey meat. *Meat Science*. 96 : 1171-1176.

- Cooper, T. A. 2013. Developments in bioplastic materials for packaging food, beverages and other fast-moving consumer goods. Farmer, N. (Ed.). *Trends pack food, beverages and other fast-moving consumer goods* (FMCG). Halaman 108-152. United Kingdom : Woodhead Publishing. 81 Cowd, M.A. 1991. Kimia Polimer. Bandung : Penerbit ITB.
- Darmany, A. P., Gregory, D. D., Guo, Y., Jenks, W. S., Burel, L., Eloy, D., dan Jardon, P. 1998. Quenching of singlet oxygen by oxygen- and sulfur-centered radicals: evidence for energy transfer to peroxy radicals in solution. *Journal of American Chemical Society*. 120 : 396–403.
- De-Boer, H. J., Lamxay, V., dan Bjork, L. 2012. Comparing medicinal plant knowledge using similarity indices: A case of the Brou, Saek and Kry in Lao PDR. *Journal of Ethnopharmacology*. 141 : 481-500.
- Evan, A. P., dan Gardner, K. D. 1979. Nephron obstruction in nordihydroguaiaretic acid-induced renal cystic disease. *Kidney International*. 15 : 7–19.
- Ghimire, K., dan Bastakoti, R.R. 2009. Ethnomedicinal knowledge and healthcare practices among the Tharus of Nawalparasi district in central Nepal. *Forest Ecology and Management*. 257 : 2066-2072.
- Gontard, N., Guilbert, S., dan Cuq, J. 1993. Water and glycerol as plasticizers affect mechanical and water vapor barrier properties of an edible wheat gluten film. *Journal of Food Science*. 1 (58) : 206-211.
- Grosvenor, P. W., Gothard, P. K., McWilliam, N.C., Supriono, A., dan Gray, D. O. 1995. Medicinal plants from Riau Province, Sumatra, Indonesia. Part 1: Uses. *Journal of Ethnopharmacology*. 45 : 75-95.
- Guilbert, S., dan Biquet, B. 1996. Edible films and coatings. G. Bureau, dan J. L. Multon (Ed.). *Food Packaging Technology*. Volume 1. Halaman 528. New York : VCH Publishers.
- Halliwell, B., 1990. How to characterize a biological antioxidant. *Free Radical Research Communications*. 9 : 1–32.
- Halliwell, B., dan Gutteridge, J.M., 1995. The definition and measurement of antioxidants in biological systems. *Free Radical Biology and Medicine*. 18 : 125–126.

- Halliwell, B., 2007. Biochemistry of oxidative stress. *Biochemical Society Transactions*. 35 : 1147–1150.
- Han, J. H. 2005. *Innovations in Food Packaging*. Elsevier Ltd.
- Handayani, R dan Mastuti, T.S. 2014. Senyawa Penyusun Ekstrak N-Heksana Dari Daun Pisang Batu, Kepok dan Ambon Hasil Distilasi Air. Prosiding Seminar Nasional Bioteknologi. Surabaya.
- Hanum, F., dan Hamzah, N. 1999. The use of medicinal plant species by the Temuan Tribe of Ayer Hitam Forest, Selangor, Peninsular Malaysia. *Pertanika Journal of Tropical Agricultural Science*. 22 : 85-94.
- Harborne, J. B. 1987. Metode fitokimia : Penuntun cara modern menganalisis tumbuhan. Bandung : Institut Teknologi Bandung. (diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro).
- Hauser, C., Penaloza, A., Rodriguez, F., Guarda, A., dan Galotto, M. J. 2014. Promising antimicrobial and antioxidant extracts of murta leaves (*Ugni molinae* Turcz): shelf-life extension and food safety. *Food Packaging and Shelf Life*. 1 : 77-85.
- Hauser, C., Penaloza, A., Guarda, A., Galotto, M. J., Bruna, J. E., dan Rodríguez, F. J. 2015. Development of an active packaging film based on a methylcellulose coating containing murta (*Ugni molinae* Turcz) leaf extract. *Food Bioprocess Technology*.
- Heim, K. E., Tagliaferro, A. R., dan Bobilya, D. J. 2002. Flavonoid antioxidants: chemistry, metabolism and structure–activity relationships. *Journal of Nutritional Biochemistry*. 13 : 572–584.
- Hernandez-Munoz, P., Villalobos, R., dan Chiralt, A. 2004. Effect of cross-linking using aldehydes on properties of glutenin-rich films. *Food Hydrocolloids*. 18 : 403–411.
- Hirrien, M., Desbrières, J., dan Rinaudo, M. 1996. Physical properties of methylcelluloses in relation with the conditions for cellulose modification. *Carbohydrate Polymers*. 31 : 243-253.

- Holdsworth, D. 1987. Medicinal plants of the Central Province of Papua New Guinea, Part IV. *International Journal of Crude Drug Research*. 25 : 231-235.
- Huang, D., Ou, B., dan Prior, R. L. 2005. The chemistry behind antioxidant capacity assays. *Journal of Agricultural and Food Chemistry*. 53 : 1841–1856.
- Johnny, L., Yusuf, U. K., dan Nulit, R. 2010. The effect of herbal plant extracts on the growth and sporulation of *Colletotrichum gloeosporioides*. *Journal of Applied Biosciences*. 34 : 2218–2224.
- Joung, T., Nihei, K., dan Kubo, I. 2004. Lipoxygenase inhibitory activity of octyl gallate. *Journal of Agricultural and Food Chemistry*. 52 : 3177–3181.
- Kamper, S. L., dan Fennema, O. 1984. Water vapor permeability of edible bilayer films. *Journal of Food Science*. 49 : 1478–1481.
- Kancheva, V. D. 2009. Phenolic antioxidants-radical-scavenging and chainbreaking activity: a comparative study. *European Journal of Lipid Science and Technology*. 111 : 1072–1089.
- Kaur, N., Kishore, L., dan Singh, R. 2016. Antidiabetic effect of new chromane isolated from *Dillenia indica* L. leaves in streptozotocin induced diabetic rats. *Journal of Functional Foods*. 22 : 547–555.
- Kayano, S., Kikuzaki, H., Fukutsuka, N., Mitani, T., dan Nakatani, N. 2002. Antioxidant activity of prune (*Prunus domestica* L.) constituents and a new synergist. *Journal of Agricultural and Food Chemistry*. 50 (13) : 3708-3712.
- Koswara. 2006. Teknologi Modifikasi Pati. Ebook Pangan.
- Krimmel, B., Swoboda, F., Solar, S., dan Reznicek, G. 2010. OH-radical induced degradation of hydroxybenzoic- and hydroxycinnamic acids and formation of aromatic products – a gamma radiolysis study. *Radiation Physics and Chemistry*. 79 : 1247–1254.
- Kumar, S., Kumar, V., dan Prakash, O. 2011. Microscopic evaluation and physiochemical analysis of *Dillenia indica* leaf. *Asian Pacific Journal of Tropical Biomedicine*. 337 – 340.

- Lai, H. M., G. W. Padua dan L. S. Wei. 1997. Properties and microstructure of zein sheets plastisized with palmitic and stearic acids. *Cereal Chemistry Journal*. 74 (1) : 83-90.
- Lim, T.K. 2012. Edible Medicinal And Non-Medicinal Plants. Fruits. *Springer Science+Business Media B.V.* (2) : 410 – 415.
- jouki
- Lopez, P., Sanchez, C., Batlle, R., dan Nerin, C. 2007. Vapor-phase activities of cinnamon, thyme, and oregano essential oils and key constituents against foodborne microorganisms. *Journal of Agricultural and Food Chemistry*. 55 (11) : 4348–4356.
- Madikizela, B., Aderogba, M.A., Finnie, J.F., dan Van Staden, J. 2014. Isolation and characterization of antimicrobial compounds from *Terminalia phanerophlebia* Engl. and Diels leaf extracts. *Journal of Ethnopharmacology*. 156 : 228–234.
- McBride, N. T. M., Hogan, S. A., dan Kerry, J. P. 2007. Comparative addition of rosemary extract and additives on sensory and antioxidant properties of retail packaged beef. *International Journal of Food Science and Technology*. 42 : 1201–1207.
- McClements, D. J, dan Decker, E. A. 2000. Lipid oxidation in oil-in-water emulsions: impact of molecular environment on chemical reactions in heterogeneous food systems. *Journal of Food Science*. 65 (8) : 1270-1282.
- Mehta, S. K., dan Gowder, S. J. T. 2015. Members of antioxidant machinery and their functions. Basic principles and clinical significance of oxidative stress. Volume 1. Halaman 59–85. URL : <http://www.intechopen.com/books/basic-principles-and-clinicalsignificance-of-oxidative-stress>. Diakses tanggal 10 September 2017 pukul 19.08 WIB.
- Migneault, I., Dartiguenave, C., Bertrand, M. J., dan Waldron, K.C. 2004. Glutaraldehyde: behavior in aqueous solution, reaction with proteins, and application to enzyme crosslinking. *BioTechniques*. 37 : 790-802.

- Min, D. B., dan Boff, J. M., 2002. Chemistry and reaction of singlet oxygen in foods. *Comprehensive Reviews in Food Science and Food Safety*. 1 : 58–72.
- Miyazaki, M., Hung, P. V., Maeda, T., dan Morita, N. 2006. Recent advances in application of modified starches for breadmaking. *Trends in Food Science and Technology*. 17 : 591-599.
- Moon, J., dan Shibamoto, T. 2009. Antioxidant assays for plant and food components. *Journal of Agricultural and Food Chemistry*. 57 : 1655–1666.
- Mukherjee, K.S. dan Badruddoza, S. 1981. Chemical constituents of *Dillenia indica* Linn. and *Vitex negundo* Linn. *Journal of Indian Chemical Society*. 58 : 97–98.
- Muliawan, S.Y. 2008. Effect of *Dillenia suffruticosa* extract on dengue virus type 2 replication. *Universa Medicina*. 27 : 1–5.
- Myers, A. W., Meyer, J. A., Rogers, C. E., Stannet, V., dan Szwarc, M. 1961. Studies in the gas and vapor permeability of plastic films and coated papers, the permeation of water vapor. *TAPPI*. 45–58.
- Narayan, R. 1996. Biobased and Biodegradable Plastic. URL: <http://www.plasticsindustry.org/files/events/pdfs/bio-narayan-061906.pdf>. Diakses tanggal 13 September 2017 pukul 19.34 WIB.
- Nasatto, P. L., Pignon, F., Silveira, J. L. M., Duarte, M. E. R., Nosedo, M. D., dan Rinaudo, M. 2015. Methylcellulose, a cellulose derivative with original physical properties and extended applications. *Polymers*. 7 : 777-803.
- Neldawati, Ratnawulan, dan Gusnedi. 2013. Analisis nilai absorbansi dalam penentuan kadar flavonoid untuk berbagai jenis daun tanaman obat. *Pillar of Physics*. (2) : 76-83.
- Oxtoby, D. W., dan Gillis, H. P., Champion, A. 2003. Principles of Modern Chemistry (7th ed.). California : Thomson Brooks/Cole.
- Paiva, S. A. R., dan Russell, R. M., 1999.  $\beta$ -Carotene and other carotenoids as antioxidants. *Journal of the American College of Nutrition*. 18 : 426–433.
- Park, J. S., dan Ruckenstein, E. 2001. Viscoelastic properties of plasticized methylcellulose and chemically crosslinked methylcellulose. *Carbohydrate Polymers*. 46 : 373-381.

- Pereira de Abreu, D. A., Paseiro Losada, P., Maroto, J., dan Cruz, J.M. 2010. Evaluation of the effectiveness of a new active packaging film containing natural antioxidants (from barley husk) that retard lipid damage in frozen Atlantic salmon (*Salmo salar L.*). *Food Research International*. 43 (5) : 1277–1282.
- Pietta, P. 2000. Flavonoids as antioxidants. *Journal of Natural Products*. 63 : 1035–1042.
- Pokorny', J. 2007. Are natural antioxidants better – and safer – than synthetic antioxidants?. *European Journal of Lipid Science and Technology*. 109 : 629–642.
- Pramesti, A. K. 2005. Identifikasi Fraksi Hasil Ekstraksi Daging Buah Matang *Dillenia indica* dalam Pelarut n-heksana. Fakultas Teknik. Universitas Indonesia. Depok.
- Prasad, P. R. C., Reddy, C. S., dan Dutt, C. B. S. 2008. Folklore medicinal plants of North Andaman Islands, India. *Fitoterapia*. 79 : 458-464.
- Prasetyaningrum, A., Rokhati, N., Kinasih, D. N., dan Wardhani, F. D. N. 2010. Karakterisasi *bioactive edible film* dari komposit alginat dan lilin lebah sebagai bahan pengemas makanan *biodegradable*. *Seminar rekayasa kimia dan proses*. 2 : ISSN 1411-4216.
- Procházková, D., Boušova, I., dan Wilhelmova, N. 2011. Antioxidant and prooxidant properties of flavonoids. *Fitoterapia*. 82 : 513–523.
- Putra, A. Y. T. 2017. Sifat fisik, kimia dan senyawa bioaktif daun simpur (*Dillenia suffruticosa*) segar dan kukus. Program Studi Ilmu dan Teknologi Pangan. Universitas Gadjah Mada. Yogyakarta.
- Reische, D. W. Lillard, D. A., dan Eitenmiller, R. R. 1998. Antioxidants. Akoh, C. C., dan Min, D. B. (Ed.). *Food lipids chemistry, nutrition, and biotechnology*. Halaman 489-516. New York : Marcel Dekker.
- Rice-Evans, C.A., Miller, N.J., dan Paganga, G. 1996. Structure–antioxidant activity relationships of flavonoids and phenolic acids. *Free Radical Biology and Medicine*. 20 : 933–956.

- Rimduhit, S., Jingjid, S., Damrongsakkul, S., Tiptipakorn, S., dan Takeichi, T. 2008. Biodegradability and property characterizations of methyl cellulose: effect of nanocompositing and chemical crosslinking. *Carbohydrate Polymers*. 72 : 444-455.
- Riyandari, Baiq Amelia., Suherman, Dwi, Siswana. Studi Sifat Fisik, Mekanik, dan Kinetika Pelepasan Eugenol pada Film Kompleks Polielektrolit Kitosan-Alginat sebagai Pengemas Aktif Makanan. Thesis. 2017.
- Roy, M. K., Juneja, L. R., Isobe, S., dan Tsushida, T. 2009. Steam processed broccoli (*Brassica Oleracea*) has higher antioxidant activity in chemical and cellular assay systems. *Food Chemistry*. 114 : 263-269.
- Sacharow, W., dan Griffin, R. C. 1970. Food Packaging. Connecticut : AVI Publishing Co. Inc.
- Sarkar, N., dan Walker, L. C. 1995. Hydration-dehydration properties of methylcellulose and hydroxypropylmethylcellulose. *Carbohydrate Polymers*. 27 : 177-185.
- Shaaban, H. A., Mahmoud, K. F., Ibrahim, M. A., dan Ibrahim, G. 2014. Antimicrobial activity of edible methyl cellulose films enriched with essential oils against three common foodborne pathogens. *World Applied Sciences Journal*. 32 (10) : 2092 – 2101.
- Shahidi, F. dan Ambigaipalan, P. 2015. Phenolics and polyphenolics in foods, beverages and spices: Antioxidant activity and health effects –A review. *Journal of Functional Foods*. 18 : 820–897.
- Shahidi, F., dan Zhong, Y. 2015. Measurement of Antioxidant Activity. *Journal of Functional Foods*. 18 : 757–781.
- Shameli, K., Ahmad, M. B., Jazayeri, S. D., Sedaghat, S., Shabanzadeh, P., Jahangirian, H., Mahdavi, M., dan Abdollahi, Y. 2012. Synthesis and characterization of polyethylene glycol mediated silver nanoparticles by the green method. *International Journal of Molecular Sciences*. 13 (6) : 6639-6650.
- Sharma, H.K., Chhangte, L., dan Dolui, A.K. 2001. Traditional medicinal plants in Mizoram, India. *Fitoterapia*. 72 : 146-161.

- Shome, U., Khanna, R. K., dan Sharma, H. P. 1979. Pharmacognostic studies on *Dillenia indica* Linn. I. Leaf. *Proceedings of the Indian Academy of Science*. 1 (88 B) : 35 – 48.
- Shonte, T. T. dan De Kock, H. L. 2017. Descriptive sensory evaluation of cooked stinging nettle (*Urtica Dioica* L.) leaves and leaf infusions: effect of using fresh or oven-dried leaves. *South African Journal of Botany*. 110 : 167-176.
- Singleton, V. L., Orthofer, R., Lamuela-Raventos, R. M., dan Lester, P. 1999. Analysis of total phenols and other oxidation substrates and antioxidants by means of Folin-Ciocalteu reagent. *Method of Enzymology*. 299 : 152 - 178.
- Solano, A. C. V., dan Gante, C. D. R. 2012. Two different processes to obtain antimicrobial packaging containing natural oils. *Food and Bioprocess Technology*. 5 : 2522 – 2528.
- Srithi, K., Balslev, H., Wangpakapattanawong, P., Srisanga, P., dan Trisonthi, C. 2009. Medicinal plant knowledge and its erosion among the Mien (Yao) in Northern Thailand. *Journal of Ethnopharmacology*. 123 : 335-342.
- Suppakul, P., Miltz, J., Sonneveld, K., dan Bigger, S. W. 2003. Active packaging technologies with an emphasis on antimicrobial packaging and its applications. *Journal of Food Science*. 68 : 408-420.
- Sutardi dan Tranggono. 1990. Biokimia dan Teknologi Pasca Panen. Yogyakarta : PAU Pangan dan Gizi UGM.
- Terpinc, P., Polak, T., Šegatin, N., Hanzlowsky, A., Ulrich, N. P., dan Abramovic, H. 2011. Antioxidant properties of 4-vinyl derivatives of hydroxycinnamic acids. *Food Chemistry*. 128 : 62–68.
- Turhan, K. N., dan Sahbaz, F. 2004. Water vapor permeability, tensile properties and solubility of methylcellulose-based edible films. *Journal of Food Engineering*. 61 : 459–466.
- Utami, T. S., Arbianti, R., Hermansyah, H., Reza, A., dan Rini, R. 2009. Perbandingan aktivitas antioksidan ekstrak etanol daun simpur (*Dillenia indica*) dari berbagai metode ekstraksi dengan uji ANOVA. Seminar Nasional Teknik Kimia Indonesia. Bandung.

- Voigt, R. 1984. *Buku Pelajaran Teknologi Farmasi*. Diterjemahkan oleh Soewandhi, S. N. Gadjah Mada University Press. Yogyakarta.
- Wang, X. L., Yang, K. K., Wang, Y. Z., Wang, D. Y., dan Yang, Z. 2004. Crystallization and morphology of a novel biodegradable polymer system: poly(1,4-dioxan-2-one)/starch blends. *Acta Materialia*. 52 : 4899-4905.
- Wuart, C., Mogana, S., Khalifah, S., Mahan, M., Ismail, S., Buckle, M., Narayana, A.K., dan Sulaiman, M. 2004. Antimicrobial screening of plants used for traditional medicine in the state of Perak, Peninsular Malaysia. *Fitoterapia*. 75 : 68-73.
- Wickramathilake, B. A. K., Weerasinghe, T. K., dan Ranwala, S. M. W. 2013. Impacts of woody invader *Dillenia suffruticosa* (Griff.) Martelli on physiochemical properties of soil and, below and above ground flora. *Journal of Tropical Forestry and Environment*. 3 (2) : 66-75.
- Wustenberg, T. 2015. Cellulose and cellulose derivatives in the food industry fundamentals and applications. Jerman : Wiley-VCH Verlag GmbH & Co. KGaA.
- Xenopoulos, Mascia, L., dan Shaw, S. J. 2001. Optimization of morphology of polyimide-silica hybrids in the production of matrices for carbon fibre composites. *High Performance Polymers*. 13 (3) : 183-199.
- Yao, H.W., Li, J., Chen, J.Q., dan Xu, S.Y. 2004. Inhibitory effect of leflunomide on hepatic fibrosis induced by CCl<sub>4</sub> in rats. *Acta Pharmacologica Sinica* 25 : 915-920. 89
- Yazan, L. S., dan Armania, N. 2014. *Dillenia* species: A review of the traditional uses, active constituents and pharmacological properties from pre-clinical studies. *Pharmaceutical Biology*. 52 (7) : 890-897.
- Yeshwante, S.B., Juvekar, A.R., Nagmoti, D.M., Wankhede, S.S., Shah, A.S., Pimprikar, R.B., dan Saindane, D.S. 2009. Antiinflammatory activity of methanolic extracts of *Dillenia indica* L. leaves. *Journal of Young Pharmacist*. 1 (1) : 63-66.
- Yu, S., Tsai, M., Lin, B., Lin, C., dan Mi, F. 2015. Tea catechins-cross-linked methyl cellulose active films for inhibition of light irradiation and lipid

peroxidation induced  $\beta$ -carotene degradation. *Food Hydrocolloids*. 44 : 491-505.

Zhang, D., dan Hamauzu, Y. 2004. Phenolics compounds and their antioxidant properties in different tissues of carrots (*Daucus carota* L.). *Journal of Food, Agriculture, & Environment*. 2 (1) : 95-100.

Zhang, M., Li, X. H., Gong, Y. D., Zhao, N. M. dan Zhang, X. F. 2002. Properties and biocompatibility of chitosan films modified by blending with PEG. *Biomaterials*. 23 (13) : 2641-2648.