

DAFTAR PUSTAKA

- Day, R.A. dan Underwood, A.L., 1999, *Analisis Kimia Kuantitatif*, Edisi Keenam, Erlangga, Jakarta.
- Droge, W., 2002, Free Radicals in the Physiological Control of Cell Function, *Physiol Rev*, 82(1): 47 – 95.
- Fernie, C.E., 2003, Conjugated Linoleic Acid in Lipid Functional Food and Nutraceuticals, *The Oily Press*, India. 291–318. Fitria, Triandhini, R.I.N.K.R., Mangimbulude, J.C., dan Karwur, F.F., 2013, Merokok dan Oksidasi DNA, *J. Sains Medika*, 5(2): 113 – 120.
- Fessenden, R.J. dan Fessenden, J.S., 1989, *Kimia Organik*, Edisi Ketiga, Erlangga, Jakarta.
- Halliwell, B. dan Gutteridge, J.M.C., 2015, *Free Radicals in Biology and Medicine*, Fifth edition, Oxford University Press, United Kingdom.
- Handayani, T.I. dan Ariono, D., 2005, *Pembuatan Drying Oil Dari Minyak Jarak*; Lembaga Penelitian ITB : Bandung.
- Hamdan, S.R., 2015, Pengaruh Peringatan Bahaya Ro kok Bergambar pada Intensi Berhenti Merokok, *Jurnal Mimbar*, 31(1): 241 – 250.
- Hillemane, V., Nayak, Y., Jayashree, B.S., 2012, Evaluation of the Antioxidant Activity of Novel Synthetic Chalcones and Flavonols, *IJCEA*, 3(3): 216 – 219.
- Hukkanen, J., Jacob, P., dan Benowitz, N.L., 2005, Metabolism and Disposition Kinetics of Nicotine, *The American Society for Pharmacology and Experimental Therapeutics*, 57(1): 79 – 115.
- Hutapea R., 2013, *Why Rokok? Tembakau dan Peradaban Manusia*, Bee Media Indonesia, Jakarta.
- Johnson, M. 2012. Laboratory Mice and Rats. *Mater Methods 2* : 113. [http : //www.labome.com/method/laboratory-mice-and-rats.html](http://www.labome.com/method/laboratory-mice-and-rats.html). Diakses tanggal 23 Oktober 2019.
- Joni, I.M., 2007, *Pengantar Biospektroskopi*, Universitas Padjajaran, Bandung.
- Kementerian Kesehatan Republik Indonesia, 2013, *Penyajian Hasil Pokok-pokok Riset Kesehatan Dasar Tahun 2013*, Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI, Jakarta.

- Kelley, O.S., Warren, J.M., Simon, V.A., Bartolini, G., Mackey, B.E., dan Erickson, K.L., 2002, *Lipids*, 37, 125–128.
- Khanal, R.C. dan Dhiman, T. R., 2004, Biosynthesis of Conjugated Linoleic Acid (CLA): A Review; *Pakistan J. Nutr.* 3 (2): 72-81.
- Khopkar, S.M., 1990, *Konsep Dasar Kimia Analitik*, UI Press, Jakarta.
- Kinnula VL, Crapo JD. Superoxide dismutases in malignant cells and human tumors. *Free Radic Biol Med* 2004;36:718-44.
- Komisi Nasional Etik Penelitian Kesehatan, 2006, *Pedoman Nasional Etik Penelitian Kesehatan Suplemen II : Etik Penggunaan Hewan Percobaan*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Kusumaningsih, T., dan Saryoso, R., 2006, *Bioteknologi*, 3 (1) : 20-26, Mei 2006, ISSN:0216-6887, Kimia FMIPA, UNS.
- Liangli, Y., 2001, Free Radical Scavenging Properties of Conjugated Linoleic Acid, *J. Arg. and Food Chem.*, 49: 3452 – 3456.
- Liangli, Y., 2001, Free Radical Scavenging of Conjugated Linoleic Acid, *J. Arg. and Food Chem.* 49: 3452-3456.
- Lodovici, M., Akpan, V., Evangelisti, C., Dolara, P., 2004, Sidestream Tobacco Smoke as the Main Predictor of Exposure to Polycyclic Aromatic Hydrocarbons, *J. Applied Toxicology*, 24: 277 – 281.
- Malole, M.B.M. dan Pramono, C.S.U., 1989, *Penggunaan Hewan Percobaan di Laboratorium*, Pusat Antar Universitas Bioteknologi, IPB, Bogor.
- Mawarni, R., 2006, *Asam Linoleat Terkonjugasi Penurun Timbunan Lemak*, Pusat Kajian Makanan Dan Obat Tradisional; Lembaga Penelitian UNDIP, Semarang.
- Malpuech, B.C., Van de Venne, W.P.H.G., Mensick, R.P., Arnal, M.A., Mario, B., Brandolini, M., Soebo, A., Lassell, T.S., Chardigny, J.M., Sebedio, J.L., dan Beaufre, B., 2004, Effects of Two Conjugated Linoleic Acid Isomers on Body Fat Mass in Overweight Humans; *Obesity Res.* 12, 591–598.
- McLeod, R.S., Le Blanc, A.M., Langille, M.A., Mitchell, P.L., dan Currie, D.L., 2004, *Am. J. Clin. Nutr.*, 79, 1169–1174.

- McPhee, S.J. dan Pignone, M., 2007, Disease Prevention and Health Promotion, in S.J. McPhee, Papadakis, & L.M. Tierney Jr (Eds), *Current Medical Diagnosis and Treatment*, 47th Edition, New York, McGraw-Hill.
- Momuat, L.I., Sangi, M.S., dan Purwati, N.P., 2011, Pengaruh VCO Mengandung ekstrak Wortel terhadap Peroksidasi Lipid Plasma, *Jurnal Ilmiah Sains*, 11(2) : 296 – 301.
- Muchtadi, D., 2013, *Antioksidan dan Kiat Sehat di Usia Produktif*, Penerbit Alfabeta, Bandung.
- Muhammad, I., 2009, Efek Antioksidan Vitamin C terhadap Tikus (*Rattus norvegicus*) Jantan Akibat Pemaparan Asap Rokok, *Tesis*, Sekolah Pascasarjana IPB, Bogor.
- Murray, R.K., Granner, D.K., Roadwell, V.W., 2009, Harper's Illustrated Biochemistry, in Wulandari, N., Randy, L., Dwijayanti, L., Liena, Dany, F., Rachman, L.Y., editors. Harper Biochemistry. 27th ed, EGC, Jakarta.
- Nugraha, G. 2015. *Panduan Pemeriksaan Hematologi Dasar*. Edisi I. Jakarta: CV. Trans Info Media.
- Pangaribuan, R., 2018, Aktivitas Antioksidan Asam Linoleat Terkonjugasi Hasil sintesa Minyak Kastor dengan Metode DPPH (2,2-difenil-1-pikrilhidrazil), *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam UNIMED, Medan.
- Papathanasiou, G., Mamali, A., Papafloratos, S., dan Zerva, E., 2014, Effects of Smoking on Cardiovascular Function: The Role of Nicotine and Carbon Monoxide, *Health Science Journal*, 8(2): 272 – 288.
- Parodi, P.W, 1997, Conjugated Linoleic Acid of Milk Fat, *J. Dairy Sci.* 60: 1550-1553.
- Pasuphati, P., Bakthavathsalam G., Rao, Y.Y., dan Farook, J., 2009, Cigarette Smoking – Effect of Metabolic Health Risk: A Review, *Diabetes & Metabolic Syndrome: Clinical Research & Review*, 3(2): 120 – 127.
- Paterson, L. J., 2000, The Effect of Dietary Manipulation on The Content and Positional Distribution of Fatty Acids Including Conjugated Linoleic Acid in The Tissues of Sheep; *A Thesis Master Departement of Chemistry and Biochemistry University of Lethbridge*, Alberta Canada.
- Patrick, L., 2006, Lead Toxicity Part II: The Role of Free Radical Damage and the Use of Antioxidants in the Pathology and Treatment of Lead Toxicity. *J Alter Med Rev.*, 11(2): 114 – 127.

- Priest, W. G dan J. D Von Mikusch, 1997, *Composition and Analysis of Dehydrated Castor Oil*, Woburn Degreasing Company of New Jersey, New York.
- Pryor, W., Hales, B., Premovic, P., dan Church, D., 1983, The Radicals in Cigarette Tar: Their Nature and Suggested Physiological Implications, *Science*, 220: 425 – 427.
- Pryor, W.A., 1997, Cigarette Smoke Radicals and the Role of Free Radicals in Chemical Carcinogenicity, *Environmental Health Perspectives*, 105(suppl. 4): 875 – 82.
- R. Triatmaja, K., Wijartmadi, B., dan Adriani, M., 2017, Pemberian Buah Kawista Menghambat Peningkatan Kadar Malondialdehid Serum Tikus Wistar yang Dipapar Asap Rokok, *Jurnal Kedokteran Brawijaya*, 29(3): 190 – 195.
- Rani, V. dan Yadav, U.C.S., 2015, *Free Radicals and Human Health and Disease*, Springer.
- Reitznerova, A., Sulekova, M., Nagy, J., Marcincak, S., Semjon, B., Certík, M., Klemptova, T., 2017, Lipid Peroxidation Process in Meat and Meat Products: A Comparison Study of Malondialdehyde Determination between Modified 2-Thiobarbituric Acid Spectrophotometric Method and Reverse-Phase High-Performance Liquid Chromatography. *Molecules*, 22(11), 1988.
- Rodgman, A. dan Perfetti, T.A., 2009, *The Chemical Components of Tobacco and Tobacco Smoke*, CRC Press Taylor and Francis Group, USA.
- Rohman, A., 2007, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Rupinder, K., 2014, Environmental Tobacco Smoke (ETS) – A Silent Killer, *Int Journal of Life Sciences*, 2(2): 179-184.
- Sadikin, M.H. 2002. *Biokimia Dasar Edisi I*. Jakarta : Penerbit Wijaya Medika.
- Sas K, Robotka H, Toldi J, Vécsei L. Mitochondria, metabolic disturbances, oxidative stress and the Kynurenine system, with focus on neurodegenerative disorders. *J Neurol Sci* 2007;257:221-39. 5.
- Sayuti, K., dan Yenriana, R., 2015, *Antioksidan, Alami dan Sintetik*, Andalas University Press : Padang.
- Sibuea, P., 2003, *Antioksidan Senyawa Ajaib Penangkal Penuaan Dini*, Sinar Harapan, Yogyakarta.

- Silitonga, P.M., 2014, *Statistika Teori dan Aplikasinya dalam Penelitian*, Edisi Kedua, Fakultas Matematika dan Ilmu Pengetahuan Alam UNIMED, Medan.
- Singh U, Jialal, I. Oxidative stress and atherosclerosis. *Pathophysiology* 2006;13:129-42. 4.
- Smith, J.B. dan Mangkoewidjojo, S., 1988, *Tikus Laboratorium (Rattus norvegicus)*. Dalam : Pemeliharaan, Pembiakkan dan Penggunaan Hewan Percobaan Di Daerah Tropis, UI Press, Jakarta.
- Sitepoe, M., 2000, *Kekhususan rokok Indonesia*, PT Gramedia, Jakarta.
- Sitorus, M. dan J. Purba. 2006. *DehidrasI Risinoleat Minyak Jarak (Castor Oil)Menjadi Linoleat dan Karakteristiknya Sebagai Usaha Pengolahan Minyak Jarak Untuk Konsumsi*, Laporan Penelitian Dosen Muda,Lembaga Penelitian UNIMED, Medan.
- Sitorus, M, S. Ibrahim, H. Nurdin dan D. Darwis, 2011, Waktu Raksi, Suhu Reaksi dan Jumlah Dehidrator pad Dehidrasi Risinoleat Minyak Biji Jarak dengan P₂O₅, *Jurnal Ilmu Dasar*; 12(2): 201-211.
- Susanna, D., Hartono, B., dan Fauzan, H., 2003, Penentuan Kadar Nikotin dalam Asap Rokok, *Jurnal Makara Kesehatan*, 7(2): 38-41.
- Swan, G.E. dan Lessov-Schlaggar, C.N., 2007, The Effect of Tobacco Smoke and Nicotine on Cognition and the Brain, *Neuropsychol Rev*, 17(3): 259 – 273.
- Swastika, A., Mufrod, dan Purwanto., 2013, Antioxidant Activity of Cream Dosage Form of Tomato Extract (*Solanum lycopersicum L.*), *Traditional Medicine Journal*, 18(3): 132 – 140.
- Tyndale, R.F. dan Sellers, E. 2005, Variable CYP2A6 Mediated Nicotine Metabolism Alters Smoking Behavior and Risk, *The American Society or Pharmacology and Experimental Therapeutics*, 29(4): 548 – 552.
- Upston JM, Kritharides L, Stocker R. The role of vitamin E in atherosclerosis. *Prog Lipid Res* 2003;42:405-22.
- Villeneuve P, R, Barouh N dan Barea B, 2005, Production of Conjugated Linoleic Acid Isomers by Dehydration and Isomerisation of Castor Bean Oil, *J.AOCS* 82: 261-270.
- Winarsi, H., 2007, *Antioksidan Alami dan Radikal Bebas: Potensi dan Aplikasinya dalam Kesehatan*, Cetakan 5, Kanisius, Yogyakarta.

Yanbaeva, D.G., Dentener, M.A., Creutzberg, E.C., Wesseling, G., dan Wouters E.F.M., 2007, Systemic Effect of Smoking, *Chest*, 131(5): 1557 – 1566.

Zulaikhah, S.T., 2017, The Role of Antioxidant to Prevent Free Radicals in the Body, *Sains Medika*, 8(1): 39 – 45.



THE
Character Building
UNIVERSITY