

**DAFTAR PUSTAKA**

- Abarikwu, S.O., 2015. Anti-inflammatory Effects of Kolaviron Modulate The Expressions of Inflammatory Marker Genes, Inhibit Transcription Factors ERK1/2, P-JNK, NF-Kappab, And Activate Akt Expressions In The 93RS2 Sertoli Cell Lines. *Molecular and Cellular Biochemistry*. 401 : 197-208.
- Abshenas J, Babaei H, Zare MH, Allahbakhshi A, Sharififar F. 2011. The effects of gres tea (*Camillia sinensis*) extract on mouse semen quality after scrotal heat stress. *Veternity Research Forum*. 242-247.
- Agarwal A, Saleh RA, and Bedaiwy MA. 2003. Role of Reactive Oxygen Species in The Pathophysiology of Human Reproduction. *Fertility and Sterility*. 79(4) : 829-843.
- Alamsyah, Nur Andi. 2006. *Taklukan Penyakit dengan Teh Hijau*. Jakarta: Agro Media Pustaka. Hal. 48.
- Al-Bayati, Z.A.F., W.J. Murray, and S.J. Stohs. 1987. 2,3,7,8-Tetrachlorodibenzop-Dioxin-Indiced Lipid Peroxidation in Hepatic and Extrahepatic Tissues of Male and Female Rats. *Archives of Environmental Contamination and Toxicology*. 16 : 159-166.
- Alves MG, Rato L, Carvalho RA, Moreira PI, Socorro S, Oliveira PF. 2013. Hormonal Control of Sertoli Cell Metabolism Regulates Spermatogenesis. *Cell Mol Life Sci*. 70 : 777-793.
- Anandasadagopan, S.K., Singh, N.M., Raza, H., Bansal, S., Selvaraj, V., Singh, S., Chowdhury, A.R., Leu, N.A., Avadhani, N.G. 2017. Beta-Naphthoflavone-Induced Mitochondrial Respiratory Damage in Cyp1 Knockout Mouse and in Cell Culture Systems: Attenuation by Resveratrol Treatment. *Oxidative medicine and cellular longevity*. 5213186.
- Anjarsari I.R.D. 2016. Katekin teh Indonesia : Prospek dan Manfaatnya Tea Catechin : Prospect and Benefits J. *Jurnal Kultivasi*. 15(2) : 99–106
- Ardhie, A.M. 2011. Radikal Bebas dan Peran Antioksidan dalam Mencegah Penuaan. *Medicinus*. 24(1) : 4-9.
- Astuti, S. 2008. Isoflavon Kedelai dan Potensinya Sebagai Penangkap Radikal Bebas. *Jurnal Teknologi Industri dan Hasil Pertanian*. 13(2) : 126-136.
- Bloom and D.W. Fawcett. 2002. *Buku Ajar Histologi*. Edisi ke-12. Alih Bahasa oleh Jan Tambayong. Penerbit Buku Kedokteran EGC. Jakarta. Hal 135-141.

- Bock, K.W. and C. Köhle. 2005. Ah receptor- and TCDD-Mediated Liver Tumor Promotion: Clonal Selection and Expansion of Cells Evading Growth Arrest and Apoptosis. *Biochem Pharmacol.* 69 : 1403–1408.
- Bruner-Tran, K.L., Ding, T., Yeoman, K.B., Archibong, A., Arosh, J.A., and Osteen, K.G. 2014. Developmental Exposure of Mice To Dioxin Promotes Transgenerational Testicular Inflammation and an Increased Risk of Preterm Birth in Unexposed Mating Partners. *PLoS ONE.* 9(8).
- Caldeira, B.C., Paula, T.A.R., Matta, S.L.P., Balarini, M.K., Cerdocyon, Thous., Linnaeus. 2010. Morphometry of Testis and Seminiferous Tubules of The Adult Crab-Eating Fox. *Revista Ceres.* 57(5).
- Carlsen M.H., Halvorsen B.L., Holte K., Behn S.V., Dragland S., Sampson L., Willey C., Senoo H., Umezono Y., Sanada C., Barikmo I., Berhe N., Willet W.C., Phillips K.M., Jacobs D.R., and Blomhoff R. 2010. The Total Antioxidant Content of more than 3100 Foods, Beverages, Spices, Herbs and Supplements Used Worldwide. *Nutr. J.* 9 (3) : 1-11.
- Chako SM, Thambi PT, Kuttan R, Nishigaki I. 2010. Beneficial Effects Of Green Tea: A Literature Review. *Chinese Medicine.* 5 (13).
- Chandra, A. K., Choudhury, S. R., D, N. and Sarkar, M., 2011. Effect Of Green Tea (*Camellia sinensis*) Extract on Morphological and Functional Change in Adult Male Gonad of Albino Rat. *Indian Journal of Experimental Biology.* 49 : 689-97.
- Chaturvedula, V.S.P and Prakash, I. 2011. The Aroma, Taste, Color and Bioactive Constituents of Tea. *Journal of Medicinal Plants Research.* 5(11).
- Chevalier, N., Paul-Bellon, R., and Fenichel, P. 2015. A Commentary on "Involvement of Activating ERK1/2 through G Protein Coupled Receptor 30 and Estrogen Receptor alpha/beta in low doses of Bisphenol A Promoting Growth of Sertoli TM4 cells". *Toxicology Letters.* 237 : 165-166.
- Choi, J.S., I.W. Kim, S.Y. Hwang, B.J. Shin, and S.K. Kim. 2007. Effect of 2,3,7,8-Tetrachlorodibenzo-p-dioxin on Testicular Spermatogenesis Related Panels and Serum Sex Hormone Levels In Rats. *Journal Compilation.* 101 : 250-255.
- Ciftci, O.I Ozdemir, N. Vardi, A. Beytur, and F. Oguz. 2011. Ameliorating effects of quercetin and chrysin on 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced nephrotoxicity in rats. *Toxicology and Industrial Health.* 28(10) : 947-954.
- Ciftci, O.S. Tanyildizi, and A. Godekmerdan. 2010. Protective Effect of Curcumin on Immune System and Body Weight Gain on Rats Intoxicated With 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD). *Immunopharmacology and Immunotoxicology.* 23(1) : 99-104.

- D Procházková I., Boušová N., Wilhelmová A. 2011. Antioxidant and Prooxidant Properties of Flavonoids. Elsevier J . Fitoterapi 82 : 513-523.
- Dhanabalan, S., Mathur, P.P., and Latha, P. 2015. TCDD and Corticosterone on Testicular Steroidogenesis and Antioxidant System of Epididymal Sperm in Rats. Toxicology and Industrial Health. 31 : 811-822.
- Dobrzyński, M., I. Całkosiński, I. Przywitowska, J.K. Brzoza, A.C. Waszkiewicz, E. Sołtan and O. Parulska. 2009. Effects of Dioxins in Environmental Pollution on Development of Tooth Disorders. Polish J. of Environ. Stud. 18 (3) : 319-323.
- Doi, H., T. Baba, C. Tohyama, and K. Nohara. 2003. Functional Activation of *Arylhydrocarbon receptor* (AhR) in Primary T-cell by 2,3,7,8-Tetrachlorodibenzo-p-dioxin. Chemosphere. 52 : 655-662.
- Ferial, Eddyman W. 2013. Biologi Reproduksi. Jakarta: Erlangga.
- Foster Warren G, Serena Maharaj-Briceño, and Daniel G. Cyr. 2010. Dioxin-Induced Changes in Epididymal Sperm Count and Spermatogenesis. Environmental Health Perspective 118 (4).
- Foster, S. 2000. Green Tea (*Camellia sinensis*). Alternative Medicine Review. 5 : 372-375.
- Franchi, L., Munoz-Planillo, R., Nunez, G., 2012. Sensing and reacting to microbes through the inflammasomes. Nature Immunology. 13 : 325-332.
- Geyer HJ, Schramm KW, Feicht EA, Behechti A, Steinberg C, Bruggemann R, Poiger H, Henkelmann B, Ketrup A. 2002. Half-lives of tetra-, penta-, hexa-, hepta-, and octachlorodibenzo-p-dioxin in rats, monkeys, and humans-A critical review. Chemosphere. 48 : 631-644.
- Goodzarnia I and Abdollahi GA, 2009. Superheated Water Extraction of Catechins From Green Tea Leaves : Modeling and Simulation. Chemistry and Chemical Engineering. 16 : 99-106.
- Guyton A.C. and J.E Hall. 2007. Buku Ajar Fisiologi Kedokteran. Edisi 9. Jakarta.
- Haidari F, Omidian K, Rafiei H, Zarei M, and Shahi M. 2013. Green Tea Extract (*Camellia sinensis*) Supplementation to Diabetic Rats Improves Serum and Oxidative Stress Markers. Iranian J. of Pharma Research. 12 (1): 109- 114.
- Halliwell, B and J.M.C. Gutteridge. 2000. Free Radical in Biology and Medicine. Oxford University Press. New York.//<https://books.google.co.id>. [16 Juli 2019].
- Harborne, J.B. 1987. Metode Fitokimia Penuntun Cara Modern Menganalisis Tumbuhan. Terjemahan: Kosasih Padmawinata. Institut Teknologi Bandung.

- Hasanah, Nunung. 2015. Aktivitas Antioksidan Ekstrak Etanol Daun Salam. *Jurnal Pena Medika*. Vol 5(1).
- Hayati, A. 2011. *Spermatologi*. Airlangga University Press. Surabaya.
- Heim, KE, Tagliaferro, AR, Bobliya, DJ. 2002. Flavonoids Antioxidants: Chemistry, Metabolism, and Structure Activity Relationships. *The Journal of Nutritional Biochemistry*. 13 : 572- 584.
- Hess, R.A. and L. Renato de Franca. 2008. Spermatogenesis and Cycle of the Seminiferous Epithelium. *Adv. Exp. Med. Biol.* 636 : 1-15.
- Hill, M.A. 2019. *Embryology Spermatozoa Development*. Retrieved from [https://embryology.med.unsw.edu.au/embryology/index.php/Spermatozoa\\_Development](https://embryology.med.unsw.edu.au/embryology/index.php/Spermatozoa_Development). [27 Juli 2019].
- Hutahaean, Salomo., S. Mangkoewidjojo., M. Sagi., dan W. Asmara. 2009. 2,3,7,8 Tetraklorodibenzo-P-Dioxin (TCDD) Memacu Aktivitas Biosintesis Protein di Jaringan Palatum Embrio Mencit. *Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Fakultas MIPA, Universitas Negeri Yogyakarta*.
- Imanulkhan. 2006. Karakterisasi “*Edibel Film*” Beraktivitas dari Pati Ganyong (*Canna edulis kerr*) dan Ekstrak Teh Hijau (*Camellia sinensis*) [Skripsi]. Fakultas Teknologi Pertanian. Universitas Brawijaya.
- Indraningsih dan Y. Sani. 2014. Deteksi Dioksin Trichloro dibenzo-p-dioxins dan Trichloro dibenzofurans pada Daging Sapi dengan Gas Chromatography Tandem Mass Spectrometry. *JITV*. 19(4) : 302-314.
- Iryani, T. 2017. Efek Pemberian Ekstrak Etanol Buah Lenca (*Solanum Nigrum L*) Secara Oral Terhadap Penurunan Jumlah Spermatozoa Tikus Putih (*Rattus Novergicus L*) Galur Spague Dawley [Skripsi]. Fakultas Kedokteran. Universitas Lampung. Hal. 7-8.
- Ismudiono, P. Srianto, H. Anwar, S.P. Madyawati, A. Samik, dan E. Safitri. 2010. *Buku Ajar Fisiologi Reproduksi pada Ternak*. Airlangga University Press. Surabaya. 11-12.
- Jin M, Lo J, Yu H, Miao M, Wang G, Ai H, Huang Y, Han S, Han D, and YuG. 2018. Exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin Promotes Inflammation in Mouse Testes: the Critical Role of Klotho in Sertoli cells. *Toxicology Letters*. 295 : 134-143.
- Jin, M.H., Hong, C.H., Lee, H.Y., Kang, H.J., and Han, S.W. 2010. Toxic Effects of Lactational Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) on Development of Male Reproductive System: Involvement of Antioxidants, Oxidants, and P53 Protein. *Environmental Toxicology*. 25 : 1-8.

- Johnson, M. and Eviritt. 1990. *Essensial Reproduction* 3<sup>rd</sup> Edition. Blackwell Sci. Pub. Oxford London, Edinburg.
- Junqueira, L.C., C. Jose, and O.K. Robert. 2007. *Histologi Dasar* edisi ke-8. Jakarta: EGC. Hal 419-432.
- K.C. Chitra, K.R. Rao, P.P. Mathur. 2003. Effect of bisphenol A and co-administration of bisphenol A and vitamin C on epididymis of adult rats: a histological and biochemical study *Asian J. Androl.* 5 : 203-208.
- Khaira, Kuntum. 2010. Menangkal Radikal Bebas dengan Anti-Oksidan. *Jurnal Sains dan Teknologi Faculty of Education and Teacher Training State Institute for Islamic Studies Batusangkar, West Sumatera, Indonesia Vol* 2(2).
- Khan, H., Khan, M., Qureshi, M. S., Ahmad, S., and Gohar, A. 2017. Effect of Green Tea Extract (*Camellia sinensis*) on Fertility Indicators of Post-Thawed Bull Spermatozoa. *Pakistan Journal of Zoology.* 49(4) : 1243-1249.
- Kusriningrum, 2015. *Rancangan Percobaan*. Surabaya: Airlangga University Press.
- L.A.P. Hoogenboom, J.C.H. Van Eijkeren, M.J. Zeilmaker, M.J.B. Mengelers, R. Herbes, J. Immerzeel, W.A. Traag. 2007. A novel source for *dioxins* present in recycled fat from gelatin production, *Chemosphere.* 68 : 814–823.
- Landers, J.P., N.J. Bunce. 1991. The Ah receptor and the mechanism of dioxin toxicity. *Biochem. J.* 276 : 273-287.
- Lane, D.R. 1980. *Visceral System*. In *Jone's Animal Nursing* (D.R Lane, eds), 3<sup>rd</sup> Ed. Pergamon Press, London. p. 77-80.
- Latchoumycandane, C. and P.P. Mathur. 2002. Effects of vitamin E on reactive oxygen species-mediated 2, 3, 7,8-tetrachloro-dibenzo-p-dioxin toxicity in rat testis. *Applied Toxicology.* 22(5) : 345–351.
- Lohiya, N.K., B. Manivannan, P.K. Mishra, N. Pathak, S. Sriram, S. Bhande, and S. Panneerdoss. 2002. Chloroform extract of *Carica papaya* seeds induces long-term reversible azoospermia in langur monkey. *Asian. J. Androl.* 4(1): 17.
- Lucida H, 2006, *Determnatoan of The Ionization Constant And The Stability of Catechin From Gambir (uncaria gambir (hunter) Roxb)*, ASOPMS 12 International Conference, Padang.
- Y., Yang, H.Z., Xu, L.M., Huang, Y.R., Dai, H.L., Kang, X.N., 2015. Testosterone Regulates The Autophagic Clearance of Androgen Binding Protein in Rat Sertoli Cells. *Scientific Reports.* 5 : 8894.

- Mahmood T, Akhtar N, and Khan BA. 2010. The Morphology, Characteristics, and Medicinal Properties of *Camellia sinensis* Tea. *Journal of Medicinal Plants Research*. 4(19) : 2029.
- Mahmood, B., Mokhtar, M., Esfandiar, S. 2015. The Impact of Green Tea (*Camellia sinensis*) on the Amount of Gonadotropin Hormones (LH, FSH) in Immature Female Rats Poisoned with Cadmium Chloride. *Biomed. & Pharmacol. J*, vol. 8(1). p.265-6.
- Mandal, P.K. 2005. Dioxin: a Review of Its Environmental Effects and its Aryl Hydrocarbon Receptor Biology. *J Comp Physiol B*. 175 : 221-230
- Mangkoewidjojo dan Smith. 1988. *Pemeliharaan, Pembiakan, dan Penggunaan Hewan Percobaan di Daerah Tropis*. UI Press. Jakarta. 276.
- Marita, A.I. 2017. Kinerja Vitamin E ( $\alpha$ -Tocopherol) Sebagai Antioksidan Terhadap Sel Spermatogenik dan Ekspresi Sitokrom C Spermatozoa Mencit yang Dipapar 2,3,7,8-Tetrachlorodibenzo-p-dioxin [Tesis]. Program Magister Ilmu Biologi Reproduksi Fakultas Kedokteran Hewan Universitas Airlangga.
- Martunus, Z. Helwani. 2007. Ekstraksi Dioksin dalam Limbah Air Buangan Industri Pulp dan Kertas dengan Pelarut Toluene. *Jurnal Sains dan Teknologi*. 6(1) : 1-4.
- Mathur, P.P., and S.C. D'Cruz. 2011. The Effect of Environmental Contaminants on Testicular Function. *Asian Journal of Andrology* 13: 585-591.
- McKay G and Blumberg. 2002. Dioxin characterization, formation and minimization during municipal solid waste (MSW) incineration: review. *Chem Engineering J*. 86 : 343-368.
- Medero, A.J.D.L. 2008. During the Mouse Lecture and Wet Lab. Dalam [www.uprh.edu/rise/activities/mouse/mouse.htm](http://www.uprh.edu/rise/activities/mouse/mouse.htm). [03 Juli 2019].
- Melekoglu, R., O. Ciftci, A. Cetin, N. Basak, and E. Celik. 2016. The beneficial effects of Monteleukast against 2,3,7,8-tetrachlorodibenzo-p-dioxin toxicity in female reproductive system in rats. *Acta Cirurgica Brasileira*. 31(8) : 557-563.
- Mendiola, J., A.M. Torres-Cantero and A. Agarwal. 2009. Lifestyle factors and male fertility: an evidence-based review. *Arch Med Sci*. 5: 3-12.
- Mescher, A.L. 2012. *Histologi Dasar Junquiera : Teks dan Atlas*. Edisi ke-12. Alih bahasa oleh Frans Dany. Buku Kedokteran ECG. Jakarta. Hal 325.
- Mu 'hlfeld, C., Nyengaard, J. R., and Mayhew, T. M. 2009. A review of state-of-the-art stereology for better quantitative 3D morphology in cardiac research. *Cardiovasc Pathol*. Epub ahead of print.
- Mukhopadhyay, P., Eid, N., Abdelmegeed, M.A., Sen, A. 2018. Interplay of Oxidative Stress, Inflammation, and Autophagy: Their Role in Tissue

- Injury of the Heart, Liver, and Kidney. *Oxidative medicine and cellular longevity*. p. 1-3.
- Mylonas, C and D. Kouretas. 1999. Lipid Peroxidation and Tissue Damage. *In Vivo*. 13(3) : 295-309.
- Namita Parmar, Rawat Mukesh, and Kumar J. Vijay. 2012. *Camellia Sinensis* (Green Tea): A Review. *Global Journal of Pharmacology*. 6 (2): 52-5.
- Nathália LM Lara, Guilherme MJ Costa, Glede F Avelar, and Samyra MSN Lacerda. 2018. Testis Physiology-Overview and Histology. Federal University of Minas Geras, Belo Horizonte, Brazil.
- Nijveldt, R.J., Nood, E., Van Hoorn DE, Boelens PG, van Norren K, van Leeuwen PA. 2001 Flavonoids: A Review of Probable Mechanisms of Action and Potential Applications, *Am J Clin Nutr.*, 74, 418-425.
- Nofiantika, Fera., Susetyowati, I Dewa Putu Pramantara, dan Lily Arsanti Lestari. 2016. Pengaruh ekstrak teh hijau (*Camellia sinensis*) terhadap kadar malondialdehid (MDA) plasma dan kekuatan genggam tangan lanjut usia. *Jurnal Gizi Klinik Indonesia*. Vol 13(2).
- Partodihardjo, S. 1980. Ilmu Reproduksi Hewan. Mutiara. Jakarta.
- Potischman N, McCulloch CE, Byers T, Houghton L., Nemoto T., Graham s., and Campbell T.C. 1991. Associations Between Breast Cancer, Plasma Triglycerides, and Cholesterol. *Nutr Cancer*. 15: 3-4.
- Procopec, D.S., N.B. Buchner, N.S. Fox, L.C. Chong, D.Y.F. Mak, J.D. Watson, A. Petronis, and R. Pohjanvirta, and P.C. Boutros. 2013. Validating reference genes within a mouse model system of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) toxicity. *Chemico-Biological Interactions*. 205 : 63-71.
- Puspitasari, M.L, Wulansari, T. V, Widyaningsih, T. D, Maligan, J. M, dan Nugrahini, N. I. P. 2016. Aktivitas Antioksidan Suplemen Herbal Daun Sirsak (*Annona muricata* L.) dan Kulit Manggis (*Gracinia mangostana* L.). *Jurnal Pangan dan Agroindustri*. 4(1) 283-290.
- R. Cozzi, R. Ricordy, T. Aglitti, V. Gatta, P. Petricone, R. DeSalvia. 1997. Ascorbic acid and b-carotene as modulators of oxidative damage Carcinogenesis. 18 : 223-228.
- Ramandey, I. 2005. Pengaruh Pemberian Cadmium Peroral terhadap Berat Testis, Diameter Tubulus Seminiferus, Diameter Lumen Tubulus Seminiferus, dan Tebal Epitel Tubulus Seminiferus Tikus Putih (*Rattus norvegicus* strain wistar). Tesis Program Pascasarjana Universitas Airlangga Surabaya.
- Rashidinejad, A., Birch, E.J., and Everet, DW. 2016. Antioxidant Activity and Recovery of Green Tea Catechins in Full-Fat Cheese Following

- Gastrointestinal Simulated Digestion, *J of Food Composition and Analysis*. vol.48, p.14-20.
- Reis, M.M., Moreira, A.C., Sousa, M., Mathur, P.P., Oliveira, P.F., Alves, M.G., 2015. Sertoli Cell as A Model in Male Reproductive Toxicology: Advantages and Disadvantages. *Journal of Applied Toxicology (JAT)*. 35 : 870-883.
- Ribeiro Silveira, L. T., Santos, T. M., Camora, L. F., Pinho, C. F., Anselmo-Franci, J. A., Domeniconi, R. F., Justulin, L. A., Barbisan, L. F., and Scarano, W. R. 2019. Protective Effect of Resveratrol on Urogenital Sinus and Prostate Development in Rats Exposed in Utero to TCDD (2,3,7,8-tetrachlorodibenzo-p-dioxin). *Reproductive Toxicology*. 83 : 82-92.
- Samuelson, D.A. 2007. *Textbook of Veterinary Histology*. Saunders Elsevier. St. Louis, Missouri. 210-212.
- Sandhar, HK., Kumar, B., Prasher, S., Tiwari, P. 2011. A Review of Phytochemistry and Pharmacology of Flavonoids, *Int. Pharm. Sci.*, vol.1(1), pp.25-41.
- Sari, Melita puspita., Sri Winarsih., Tri Yudani, Mardining Raras., Karyono Mintaroem. 2018. Ekstrak Etanol The Hijau (*Camellia sinensis*) Meningkatkan *Folikel Stimulating Hormon* (FSH) dan Jumlah Folikel Antral Pada Tikus Betina Yang Dipapar Sipermetrin. *Qonun Medika*. Vol 2(2).
- Schulz, N., Hamra, F.K., Garbers, D.L. 2003. A multitude of gene expressed solely in meiotic or postmeiotic spermatogenic cells offers a myriad of contraceptives targets *Proc. Natl. Acad. Sci. USA* 100, 12201-12206.
- Schuppe, H.C., Meinhardt, A., Allam, J.P., Bergmann, M., Weidner, W., Haidl, G., 2008. Chronic orchitis: a neglected cause of male infertility. *Andrologia*. 40 : 84-91.
- Setiasih, Diyah Arum. 2018. Pengaruh Ekstrak Daun Teh Hijau (*Camellia Sinensis*) Terhadap Jumlah Spermatozoa Mencit Jantan (*Mus Musculus L.*) Yang Diberi Paparan Asap Rokok [Skripsi]. Fakultas Kedokteran Universitas Muhammadiyah Surakarta. Hal. 9.
- Setiawan B, Suhartono. 2005. Stres oksidatif dan peran antioksidan pada diabetes mellitus. *Majalah Kedokteran Indonesia*. Vol 5(2).
- Setyamidjaja, D. 2000. *Teh, Budidaya dan Pengolahan Pasca Panen*. Kanisius. Yogyakarta.
- Sharpe, William. 1994. The Sharpe Ratio. *The Journal of Portfolio Management*, Fall.
- Siburian, R. B., Jose, C. & Kartika, F. G. 2015. Total Fenolik, Flavonoid, Dan Aktivitas Antioksidan Produk Teh Hijau Dan Teh Hitam Tanaman



- BangunBangun (*Coleus Amboinicus*) Dengan Perlakuan Ett Rempah Rempah. JOM FMIPA. 2(1).
- Smith, K.J., Boyer, J.A., Muku, G.E., Murray, I.A., Gowda, K., Desai, D., Amin, S.G., Glick, A.B., Perdew, G.H., 2017. Editor's Highlight: Ah Receptor Activation Potentiates Neutrophil Chemoattractant (C-X-C Motif) Ligand 5 Expression in Keratinocytes and Skin. *Toxicological Sciences* : an official journal of the Society of Toxicology. 160 : 83-94.
- Sonne, C., K. Gustavon., F.F. Riget., R. Dietz., M. Birkved and R.J. Letcher. 2009. Reproductive performance in East Greenland Polar Bears (*Ursus maritimus*) may be affected by organohalogen contaminants as shown by physiologically-based pharmacokinetic (PBPK) modeling. *Chemosphere*. 77(11): 1558-1568.
- Sorg, Olivier. 2014. Ahr Signalling and Dioxin Toxicity. *Toxicology Letters*. 230 : 225–233.
- Studiawan & Mulja HD, 2005. Uji kadar penurunan kadar glukosa darah ekstrak daun eugenia polyantha pada mencit yang diinduksi alkoksan. *Media Kedoktera Indonesia*. Vol 21 (2).
- Sudaryanti L. 2010. Pengaruh Paparan Partikulat Jelaga Terhadap Kadar Malondialdehyde Plasenta dan Luaran Kebuntingan Pada Tikus (*Rattus novergicus*) [Tesis]. Surabaya. Universitas Airlangga.
- Sujatha, R., Chitra, K.C., Latchoumycandane, C., Mathur, P.P. 2001. Effect of Lindane on Testicular Antioxidant System and Sterogenic Enzymes in Adult Rats. *Asian J.Androl*. (3) : 135-138.
- Sulistyo J Nurdiana, H Elizar, 2003. Pengembangan Kerja Sama Riset, Teknologi Produksi, dan Pemasaran Produk Hilir Teh. Prosiding “Simposium The Nasional 2003”. Bandung : Pusat Penelitian Teh Kina Gambung.
- Susilawati, T. 2011. *Spermatzoatology*. Universitas Brawijaya Press. Malang.
- Suzuki T, Pervin M, Goto S, Isemura M, Nakamura, Y. 2016. Beneficial Effects of Tea and the Green Tea Catechin Epigallocatechin-3-gallate on Obesity. *Molecules*. 21, 1305 : 1-13
- Syah A NA, 2006. Taklukan penyakit dengan teh hijau. *Agromedia Pustaka*. Jakarta. 47-49.
- Syed, V., Hecht, N.B., 2002. Disruption of Germ Cell-Sertoli Cell Interactions Leads to Spermatogenic Defects. *Molecular and Cellular Endocrinology*. 186 : 155-157.
- Takeda, T., Fujii, M., Taura, J., Ishii, Y., Yamada, H., 2012. Dioxin Silences Gonadotropin Expression in Perinatal Pups by Inducing Histone Deacetylases. *Journal of Biological Chemistry*. 287 : 18440-18450.

- Takeda, T., M. Fujii., Y. Hattori., M. Yamamoto., T. Shimazoe., Y. Ishii., M. Himeno and H. Yamada. 2014. Maternal exposure to dioxin imprints sexual immaturity of the pups through fixing the status of the reduced expression of hypothalamic gonadotropinreleasing hormone. *Mol. Pharmacol.* 85: 74–82.
- Thasleema, S. Aafrin. 2013. Teh hijau sebagai Antioxidant- A Review Singkat. *Journal Pharmaceutical Sciences and Research.* 5 (9) : 171-173
- Vison J, Dabbagh Y, Serry M, and Jang J. 1995. Plant flavonoids, especially tea flavonols, are powerful using an in vitro oxidation model for heart disease. *J Agric Food Chem.* 43 : 2800– 2802.
- Vries, M.D., R.P. Kwakkel and A. Kijlstra. 2006. Dioxins in organic eggs: a review. *NJAS.* p. 207-221.
- Wahyuni, S., S. Agungpriyono, M. Agil dan T.L. Yusuf. 2012. Histologi dan Histomorfometri Testis dan Epididimis Muncak (*Muntiacus muntjak muntjak*) pada Periode Ranggh Keras. *Jurnal Veteriner.* 13(3) : 211-219.
- Wahyuni, Sri., Srihadi Agungpriyono., Muhammad Agil., Tuty Laswardi Yusuf. 2012. Histologi dan Histomorfometri Testis dan Epididimis Muncak (*Muntiacus muntjak muntjak*) pada Periode Ranggh Keras. *Jurnal Veteriner.* 13(3) : 211-219.
- Wang RS, Yeh S, Tzeng CR, Chang C. 2009. Androgen Receptor Roles in Spermatogenesis and Fertility: Lessons from Testicular Cell-Specific Androgen Receptor Knockout Mice. *Endocr Rev.* 30 : 119-132.
- Wang, G.G., Li, W., Lu, X.H., Zhao, X., Xu, L., 2013. Taurine Attenuates Oxidative Stress and Alleviates Cardiac Failure in Type I Diabetic Rats. *Croatian Medical Journal.* 54 : 171-179.
- Warlina, L. 2009. Persistent Organic Pollutans (POPs) dan Konvensi Stockholm. *Jurnal Matematika, Sains, dan Teknologi.* 10(2) : 102-111.
- Wati, W.K. 2014. Potensi Vitamin E terhadap Jumlah Sel Spermatogenik pada Mencit yang Terpapar 2,3,7,8-*Tetrachlorodibenzo-p-dioxin* (TCDD). Tesis. Universitas Airlangga. Surabaya. 7(3).
- Wati, W.K., Wurlina, dan Sarmanu. 2014. Potensi Vitamin E terhadap Jumlah Sel Spermatogenik pada Mencit yang Terpapar 2,3,7,8-tetrachlorodibenzop-dioxin (TCDD). *Veterinaria Medika.* 7(3) : 224-231.
- Winarsi, H. 2007. Antioksidan Alami dan Radikal Bebas, Potensi dan Aplikasinya Dalam Kesehatan, Yogyakarta, Kansius. 79-81.
- Winarti, C., dan S.J Munarso. 2005. Kajian Kontaminasi Dioxin pada Bahan Pangan. *Prosiding Seminar Nasional Teknologi Inofatif Pascapanen untuk Pengembangan Industri Berbasis Pertanian.* Hal. 1208-1217.

- Wu Weanbiao. 2013. Green Tea Varieties. Productio and Health Benefits. New York. Nova Biomedical. p. 3-11.
- Wuryantari dan N. Moeloek. 2000. Perkembangan Mutakhir Fisiologi Fungsi Testis: dari Organ Sampai Gen. *Majalah Kedokteran*. Vol 50 (8).
- Yin, H.P., J.P. Xu, X.Q. Zou, and Y. Wang. 2012. Effects of vitamin E on Reproductive Hormones and Testis Structure in Chronic Dioxin-Treated Mice. *Toxicology and Industrial Health*. p. 152-161.
- Yulianto RA. 2013. Pengaruh vitamin E terhadap Kualitas Sperma Tikus Putih yang Dipapar Timbal [Tesis]. Semarang: Universitas Negeri Semarang.
- Zangar, Richard C., Dmitri R. Davydov., Seema Verma. 2004. Mechanisms That Regulate Production of Reactive Oxygen Species by Cytochrome P450. *Toxicology and Applied Pharmacology*. 199 : 316 – 331.
- Zhai, Y., Meng, X., Luo, Y., Wu, Y., Ye, T., Zhou, P., Ding, S., Wang, M., Lu, S., Zhu, L., Sun, G., Sun, X. 2018. Notoginsenoside R1 ameliorates diabetic Encephalopathy by Activating the Nrf2 Pathway and Inhibiting NLRP3 Inflammasome Activation. *Oncotarget*. 9 (20).
- Zhen, Y.S., Z.M. Chen, S.J. Cheng and M.L. Chen. 2002. Tea Bioactivity and Therapeutic Potential. Taylor & Francis, London.
- Zhou, Q., R. Nie, G.R. Prins. 2002. Localization of Androgen and Estrogen Receptors in Adult Male Mouse Reproductive Tract. *J Androl*. 23 : 87081.
- Zowail, M.E.M.; Khater, E.H.H. and ELAsrag, M.E.M. 2009. Protective Effect of Green Tea Extract Against Cytotoxicity Induced by Enrofloxacin In Rat Egypt. *Acad. J. biolog. Sci*. 1 (1) : 45-64.