

DAFTAR PUSTAKA

- Abd-Ella, E. M., El-Kott, A. F., El-Kenawy, A. E., Khalifa, H. S., Bin-Meferij, M. M., & Alramlawy, A. M. (2020). Dehydroepiandrosterone protects against acetaminophen-induced liver damage in rats by upregulation of Bcl-2 and activation of SIRT signaling. *Journal of Physiology and Pharmacology*, 71(6), 781-792.
- Abdelazeim, S. A., Shehata, N. I., Aly, H. F., & Shams, S. G. E. (2020). Amelioration of oxidative stress-mediated apoptosis in copper oxide nanoparticles-induced liver injury in rats by potent antioxidants. *Scientific Reports*, 10(1), 1-14.
- Aksenova, V. Marina, and Michael Y. Aksenov. 2005. Cell Culture Models of Oxidative Stress and Injury in The Central Nervous System. University of South Carolina. USA. *Current Neurovascular*. Vol.2. 73-89.
- Angelis, N., Porpodis, K., Zarogoulidis, P., Spyros, D., Kioumis, I., Papaiwannou, A., & Zarogoulidis, K. (2014). Airway inflammation in chronic obstructive pulmonary disease. *Journal of thoracic disease*, 6(Suppl 1), S167.
- Anita N. 2004. Perubahan Sebaran Stadia Epitel Seminiferus, Penurunan Jumlah Sel-Sel Spermatogenik dan Kadar Hormon Testosteron Total

Mencit (*Mus musculus* L) Galur DDY Yang Diberi Asap Rokok Kretek.
Tesis Program Pasca Sarjana Fakultas Kedokteran Universita
Indonesia.

Antara, I. N. B. S. 2018. Kadar malondialdehid serum tinggi meningkatkan faktor risiko gangguan kognitif pada penderita HIV dengan haart. *Jurnal Keperawatan dan Fisioterapi (JKF)*, 2.(2), 117 – 123.

Austin, E. D., Lahm, T., West, J., Tofovic, S. P., Johansen, A. K., MacLean, M. R., Alzoubi, A., & Oka, M. (2013). Gender, sex hormones and pulmonary hypertension. *Pulmonary Circulation*, 3(2), 294–314. <https://doi.org/10.4103/2045-8932.114756>

Ayala, A., Muñoz, M.F., and Argüelles, S., 2014. Lipid Peroxidation : Production , Metabolism , and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal. Hindawi Publishing Corporation Oxidative Medicine and Cellular Longevity. 1 - 31.

Bhuiyan, M. S., Tagashira, H., & Fukunaga, K. (2011). Dehydroepiandrosterone-Mediated Stimulation of Sigma-1 Receptor Activates Akt-eNOS Signaling in the Thoracic Aorta of Ovariectomized Rats with Abdominal Aortic Banding. *Cardiovascular therapeutics*, 29(4), 219-230.

Bosse, Y. (2014). *Endocrine regulation of airway contractility is overlooked.*

<https://doi.org/10.1530/JOE-14-0220>

Carlsson, A., P. Greengard., dan E. Kandel. 2000. Nerve Signaling:An Introduction:Inos and NADPH oxidase. Biochimical Society Transastions. Volume 35, part. 5.

Clark, B. J., Prough, R. A., & Klinge, C. M. (2018). Mechanisms of action of dehydroepiandrosterone. Vitamins and hormones, 108, 29-73.

Ding, X., Yu, L., Ge, C., & Ma, H. (2017). Protective effect of DHEA on hydrogen peroxide-induced oxidative damage and apoptosis in primary rat Leydig cells. *Oncotarget*, 8(10), 16158–16169.
<https://doi.org/10.18632/oncotarget.15300>

Domagala-kulawik, J. (2018). *Effects of cigarette smoke on the lung and systemic immunity Review article. February.*

Fagerström, K. O., & Bridgman, K. (2014). Tobacco harm reduction: the need for new products that can compete with cigarettes. *Addictive behaviors*, 39(3), 507-511.

Firi, H., Aman, I. G. M., Ngurah, G., & Pinatih, I. 2019. Administration of broccoli extract (Brassica oleracea var . italic) inhibited the increase of malondialdehyde level and the decrease of aortic endothelial cells in

male wistar rats (*Rattus norvegicus*) exposed by cigarette smoke.
Indonesian Journal of Anti-Aging Medicine. 3(1), 20-23.

Gonzalez, A.G. and Herrador, M.A., 2007. A Practical Guide to Analytical Method Validation, including Measurement Uncertainty and Accuracy Profiles. *Trends in Analytical Chemistry*, 26 (3), 227–238.

Halliwell B, Gutteridge JMC. 1999. Free Radicals, other reactive species and disease. In free Radicals in Biology Medicine. New York: Oxford University

Hidayah, N., Rahayu, O., Utomo, Y. S., & Solfaine, R. 2020. Perbandingan Paparan Asap Rokok Konvensional dan Rokok Herbal pada Mencit (*Mus musculus*) Terhadap Perbandingan Gambaran Histologi Paru. *Jurnal Vitek Bidang Kedokteran Hewan*, 10, 25–32.

Hossain, S., Sarkar, M., Bhowmick, S., Hussain, J., Hasan, M., & Uddin, B. (2021). *African Journal of Biological Sciences Acute cigarette smoke exposure induces oxidative damage and inflammation in Wistar rats: impact on lungs and erythrocytes*. 3(October 2020), 120–128. <https://doi.org/10.33472/AFJBS.3.1.2021.120-128>

Ito, F., Sono, Y., & Ito, T. (2019). Measurement and clinical significance of lipid peroxidation as a biomarker of oxidative stress: Oxidative stress in diabetes, atherosclerosis, and chronic inflammation. *Antioxidants*, 8(3).

<https://doi.org/10.3390/antiox8030072>

Jacob, M. H. V. M., Janner, R., Belló-klein, A., Llesuy, S. F., & Ribeiro, M. F. M. (2008). *Journal of Steroid Biochemistry and Molecular Biology Dehydroepiandrosterone modulates antioxidant enzymes and Akt signaling in healthy Wistar rat hearts.* 112, 138–144.
<https://doi.org/10.1016/j.jsbmb.2008.09.008>

Kapusta, A., Kuczyńska, B., & Puppel, K. (2018). Relationship between the degree of antioxidant protection and the level of malondialdehyde in high-performance polish holstein-Friesian cows in peak of lactation. *PLoS ONE*, 13(3), 1–13. <https://doi.org/10.1371/journal.pone.0193512>

Karen ES, Thomas M. 2006. Principles of Toxicology. 2nd edition. New York
Kasperska-zajac, A. (2010). *Asthma and Dehydroepiandrosterone (DHEA): Facts and Hypotheses.* 33(5), 320–324. <https://doi.org/10.1007/s10753-010-9188-1>

Kementerian Kesehatan Republik Indonesia, 2010, Pedoman Teknis Pengembangan Kawasan Tanpa Rokok, Direktorat Pengendalian Penyakit Tidak Menular Direktorat Jenderal Pengendalian Penyakit dan Penyehatan Lingkungan, Jakarta.

Kosmider, B., Messier, E. M., Chu, H. W., & Mason, R. J. (2011). *Human*

Alveolar Epithelial Cell Injury Induced by Cigarette Smoke. 6(12).

<https://doi.org/10.1371/journal.pone.0026059>

Lestari, D. I. (2017). Pengaruh kebiasaan merokok terhadap obesitas dan overweight pada karyawan universitas di Jakarta. *Jurnal Muara Sains, Teknologi, Kedokteran dan Ilmu Kesehatan*, 1(1), 204-209.

Mannic, T., Viguie, J., & Rossier, M. F. (2015). In vivo and in vitro evidences of dehydroepiandrosterone protective role on the cardiovascular system. *International Journal of Endocrinology and Metabolism*, 13(2).
<https://doi.org/10.5812/ijem.24660>

Parmegiani, M., Ferreira, L., Helena, M., Metello, V., Janner, R., Sander, A., Belló-klein, A., Flávia, M., Ribeiro, M., & Carlos, L. 2011. The effect of dehydroepiandrosterone (DHEA) on renal function and metabolism in diabetic rats. *Steroids*, 76(6), 564–570.
<https://doi.org/10.1016/j.steroids.2011.02.006>

Pesce, G., Triebner, K., van der Plaat, D. A., Courbon, D., Hustad, S., Sigsgaard, T., Nowak, D., Heinrich, J., Anto, J. M., Dorado-Arenas, S., Martinez-Moratalla, J., Gullon-Blanco, J. A., Sanchez-Ramos, J. L., Raherison, C., Pin, I., Demoly, P., Gislason, T., Torén, K., Forsberg, B., ... Leynaert, B. (2020). Low serum DHEA-S is associated with impaired lung function in women. *EClinicalMedicine*, 23.

<https://doi.org/10.1016/j.eclinm.2020.100389>

Pope, C. N., & Hester, K. (2020). Disruption of extracellular signaling. In An Introduction to Interdisciplinary Toxicology (pp. 69-80). Academic Press.

Prough, R. A., Clark, B. J., & Klinge, C. M. (2016). *Novel mechanisms for DHEA action.* <https://doi.org/10.1530/JME-16-0013>

Riskesdas. 2018. Hasil Utama Riskesdas 2018. Badan Penelitian dan Pengembangan Kesehatan. Jakarta: Kementerian Kesehatan RI.

Saichudin, S. (2016). Stres Oksidatif Pemicu Utama Kematian Sel Purkinje Otak Kecil (Cerebellum). *Jurnal Sport Science*, 4(1), 5-11.

Savineau, J., Marthan, R., Dumas, E., & Roque, D. (2015). Role of DHEA in cardiovascular diseases. *Biochemical Pharmacology*, 85(6), 718–726.

<https://doi.org/10.1016/j.bcp.2012.12.004>

Shirpoor Alireza, Minassian Synarush, Salami Siamak. 2009. Vitamin E Protects Developing Rat Hippocampus And Cerebellum Against Ethanol Induced Oxidative Stress And Apoptosis. *Food Chemistry*. Volume 113, Issue 1.

Sikka S.C. 2014. Role Of Oxidative Stress And Antioxidants In Andrology And Assisted Reproductive Technology. *J Androl.* (25): 5 - 18.

Suarjaya, I. P. P., Bisri, T., & Wargahadibrata, A. H. (2012). Reaktif Oksigen Spesies Pada Cedera Otak Traumatik. *Jurnal Neuroanestesi Indonesia*, 1(2), 144-50.

Sukendro S. 2007. Filosofi Rokok. Sehat Tanpa Berhenti Merokok. Pinus Book Publisher

Talhout, R., Schulz, T., Florek, E., Benthem, J. Van, & Wester, P. (2011). *Hazardous Compounds in Tobacco Smoke*. 613–628.
<https://doi.org/10.3390/ijerph8020613>

Tereza, M., Chírico, T., Bezerra, F. S., Guedes, M. R., Beatriz, A., Silva, F. C., Campos, G., Noronha, S. R. De, Batista, L., Mesquita, T., Reis, T. O., Cangussú, S. D., Chianca-jr, D. A., & Menezes, R. C. De. (2018). *Tobacco-Free Cigarette Smoke Exposure Induces Anxiety and Panic-Related Behaviours in Male Wistar Rats*. January, 1–8.
<https://doi.org/10.1038/s41598-018-23425-z>

Thirumalai, T., Therasa, S. V., Elumalai, E. K., & David, E. (2010). *Effect In Vivo of Cigarette Smoke on Lipid Peroxidation and Antioxidant status in Male albino Mice*. 2(9), 579–582.

Untari, I. (2012). Kesehatan otak modal dasar hasilkan SDM handal. Profesi (Profesional Islam): Media Publikasi Penelitian, 8.

Utami, P. 2003. Tanaman Obat untuk Mengatasi Diabetes Mellitus. Jakarta: Agromedia Pustaka.

Wadhwa, N., Mathew, B. B., Jatawa, S. K., & Tiwari, A. (2012). Lipid peroxidation: mechanism, models and significance. *International Journal of Current Science*, 3(January 2012), 11–17.
<https://www.researchgate.net/publication/262176367>

Yekti, R., Bukhari, A., Jafar, N., & Thaha, A. R. (2018). *International Journal of Allied Medical Sciences and Clinical Research (IJAMSCR) Peroxidation*. 6(4), 6–8.

Yuslanti, Euis Reni. 2018. Pengantar Radikal Bebas dan Antioksidan. Penerbit Deepublish. Yogyakarta.

LAMPIRAN 1

Skema Kerja Efek Pemberian DHEA dengan Paparan Asap Rokok

