

## DAFTAR PUSTAKA

- Aitken, R. J., Smith, T. B., Jobling, M. S., Baker, M. A., & De Iuliiis, G. N. (2014) 'Oxidative stress and male reproductive health', *Asian Journal of Andrology*, 16(1), pp. 31–38. doi: 10.4103/1008-682X.122203.
- Arief, H. and Widodo, M. A. (2018) 'Peranan Stres Oksidatif pada Proses Penyembuhan Luka', *Jurnal Ilmiah Kedokteran Wijaya Kusuma*, 5(2), p. 22. doi: 10.30742/jikw.v5i2.338.
- Arifin Gunawijaya, F. and Kartawiguna, E. (2007) *Penuntun Praktikum Kumpulan Foto Mikroskopik Histologi*. Cetakan Ke. Jakarta: Penerbit Universitas Trisakti, Jakarta.
- Chen, W., Balan, P. and Popovich, D. G. (2019) 'Analysis of ginsenoside content (Panax ginseng) from different regions', *Molecules*, 24(19), pp. 1–11. doi: 10.3390/molecules24193491.
- Dada, R., Kumar, M., Jesudasan, R., Fernandez, J.L., Gosalvez, J., Agarwal, A. (2012) 'Epigenetics and its role in male infertility', *Journal of Assisted Reproduction and Genetics*, 29(3), pp. 213–223. doi: 10.1007/s10815-012-9715-0.
- Drake, R. L., Vogl, A. W. and Mitchell, A. W. M. (2012) *Gray's Basic Anatomy International Ed*. Elsevier.
- Eskandari, M. *et al.* (2016) 'Ameliorating effect of ginseng on epididymo-orchitis inducing alterations in sperm quality and spermatogenic cells apoptosis following infection by uropathogenic Escherichia coli in rats', *Cell Journal*, 18(3), pp. 446–457. doi: 10.22074/cellj.2016.4573.
- Eskiocak, S., Gozen, A.S., Yapar, S.B., Tavas, F., Kilic, A.S., Eskiocak, M. (2005) 'Glutathione and free sulphhydryl content of seminal plasma in healthy medical students during and after exam stress', *Human Reproduction*, 20(9), pp. 2595–2600. doi: 10.1093/humrep/dei062.
- Gartner, L. P. and Hiatt, J. L. (2007) *Colour Textbook of Histology Ed.3*, Elsevier. doi: 10.1001/jama.1961.03040070095041.
- Guyton, A. C. and Hall, J. E. (2011) *Guyton and Hall Textbook of Medical Physiology Twelfth Edition*.
- Hariyati, R. T. S. (2010) 'Mengenal Systematic Review Theory dan Studi Kasus', *Jurnal Keperawatan Indonesia*, 13(2), pp. 124–132. doi: 10.7454/jki.v13i2.242.
- He, L., He, T., Farrar, S., Ji, L., Liu, T., & Ma, X. (2017) 'Antioxidants Maintain Cellular Redox Homeostasis by Elimination of Reactive Oxygen Species', *Cellular Physiology and Biochemistry*, 44(2), pp. 532–553. doi:

Sang Ayu Komang Savithree, 2023

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10.1159/000485089.

HIMPUNAN ENDOKRINOLOGI REPRODUKSI FERTILITAS INDONESIA (HIFERI), PERHIMPUNAN FERTILISASI IN VITRO INDONESIA (PERFITRI), IKATAN AHLI UROLOGI INDONESIA (IAUI), PERKUMPULAN OBSTETRI DAN GINEKOLOGI INDONESIA (POGI), (2019) *Konsensus Penanganan Infertilitas*. Edited by H. Hendarto.

Ighodaro, O. M. and Akinloye, O. A. (2018) 'First line defence antioxidants-superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid', *Alexandria Journal of Medicine*, 54(4), pp. 287–293. doi: 10.1016/j.ajme.2017.09.001.

ITIS (2011) *Integrated Taxonomic Information System - Report*. Available at: [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=29398#null](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=29398#null).

Jahnukainen, K. Hou, M., Parvinen, M., Eksborg, S., Soder, O (2000) 'Stage-specific inhibition of deoxyribonucleic acid synthesis and induction of apoptosis by anticyclines in cultured rat spermatogenic cells', *Biology of Reproduction*, 63(2), pp. 482–487. doi: 10.1095/biolreprod63.2.482.

Jassim, A. M., Al-Musawy, E. M. J. Z. and Abo Kutaiffa, M. .-G. (2012) 'Study the effect of alcoholic extracts of ginseng & parsley in modulates sodium valproate-induced reproductive toxicity in male rats .', *AL-Qadisiya Journal of Vet Med Sci*, 11(3). doi: <https://doi.org/10.29079/vol11iss3art212>.

Jiao, L. Li, B., Wang, M., Liu, Z., Zhang, X., Liu, S. (2014) 'Antioxidant activities of the oligosaccharides from the roots , flowers and leaves of Panax ginseng C . A . Meyer', 106, pp. 293–298. doi: 10.1016/j.carbpol.2014.02.035.

Joanna Briggs (2017) 'Checklist for Systematic Reviews and Research Syntheses', *The Joanna Briggs Institute*. Available at: [www.joannabriggs.org](http://www.joannabriggs.org).

Johnson, M. (2022) *labome*. [diakses pada 13 april 2022], <https://www.labome.com/method/Laboratory-Mice-and-Rats.html>. doi: [//dx.doi.org/10.13070/mm.en.2.113](https://dx.doi.org/10.13070/mm.en.2.113).

Kassem, M., Ali, A. Abokora, S.Y., Nesreen, S. (2020) 'Protective role of ginseng extract against oxidative stress, reproductive and some biochemical parameters alterations induced by doxorubicin in male rats', *International Journal of Pharmacology and Toxicology*, 8(1), p. 78. doi: 10.14419/ijpt.v8i1.30667.

Khan, M. M. A. A., Naqvi, T. S. and Naqvi, M. S. (2012) 'Identification of phytosaponins as novel biodynamic agents: an updated overview', *Journal of Biological and Chemical Research*, 3(3), pp. 459–467. Available at: [http://www.ajeb.com/vol3\(3\)/1.pdf](http://www.ajeb.com/vol3(3)/1.pdf).

Sang Ayu Komang Savithree, 2023

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- Kiefer, D. and Pantuso, T. (2003) 'Panax ginseng - American Family Physician', *American Family Physician*, 68(8), pp. 1539–1542. Available at: [www.aafp.org/afp](http://www.aafp.org/afp).
- Kirby, E. D., Geraghty, A.C., Ubuka, T., Bentley, G.E., Kaufer, D. (2009) 'Stress increases putative gonadotropin inhibitory hormone and decreases luteinizing hormone in male rats', *Proceedings of the National Academy of Sciences of the United States of America*, 106(27), pp. 11324–11329. doi: 10.1073/pnas.0901176106.
- Kopalli, S. R., Hwang, S. Y., Won, Y. J., Kim, S. W., Cha, K. M., Han, C. K., Hong, J. Y., & Kim, S. K. (2015) 'Korean red ginseng extract rejuvenates testicular ineffectiveness and sperm maturation process in aged rats by regulating redox proteins and oxidative defense mechanisms', *Experimental Gerontology*, 69, pp. 94–102. doi: 10.1016/j.exger.2015.05.004.
- Kopalli, S. R., Won, Y. J., Hwang, S., Cha, K. M., Kim, S. Y., Han, C. K., Lee, S.H., Hong, J. Y., Kim, S. K. (2016) 'Korean red ginseng protects against doxorubicin-induced testicular damage: An experimental study in rats', *Journal of Functional Foods*, 20, pp. 96–107. doi: 10.1016/j.jff.2015.10.020.
- Kopalli, S. R., Cha, K. M., Hwang, S. Y., Jeong, M. S., Kim, S. K. (2019) 'Korean Red Ginseng (*Panax ginseng* Meyer) with enriched Rg3 ameliorates chronic intermittent heat stress-induced testicular damage in rats via multifunctional approach', *Journal of Ginseng Research*, 43(1), pp. 135–142. doi: 10.1016/j.jgr.2018.06.004.
- Kumar, V., Abbas, A. K. and Aster, J. C. (2013) *Robbins BASIC PATHOLOGY Ed 9th*. 9th edn, Elsevier. 9th edn.
- Lee, S. H., Choi, K.H., Cha, K.M., Hwang, S.Y., Park, U.K., Jeong, M.S., Hong, J.Y., Han, C.K., In, G., Kopalli, S.R., Kim, S.K. (2019) 'Protective effects of Korean Red Ginseng against sub-acute immobilization stress-induced testicular damage in experimental rats', *Journal of Ginseng Research*, 43(1), pp. 125–134. doi: 10.1016/j.jgr.2017.09.002.
- Mannucci, A., Argento, F. R., Fini, E., Coccia, M. E., Taddei, N., Becatti, M., & Fiorillo, C. (2022) 'The Impact of Oxidative Stress in Male Infertility', *Frontiers in Molecular Biosciences*, 8(January), pp. 1–9. doi: 10.3389/fmolb.2021.799294.
- Mescher, A. L. (2012) *Histologi Dasar Junqueira Ed 12*, Penerbit buku kedokteran EGC.
- Mishra, J. N. and Verma, N. K. (2017) 'An Overview on Panax ginseng', *International Journal of Pharma And Chemical Research I*, 3(3), p. 516.
- Mohan, U. P., Tirupathi, P.P., Iqbal, S., Arunachalam, S. (2021) 'Mechanisms of Sang Ayu Komang Savithree, 2023  
PENGARUH EKSTRAK GINSENG KOREA (*Panax ginseng*) TERHADAP KUALITAS SPERMA TIKUS PUTIH GALUR SPRAGUE-DAWLEY YANG DIPAPAR PENYEBAB STRES OKSIDATIF  
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- doxorubicin-mediated reproductive toxicity – A review’, *Reproductive Toxicology*, 102(January), pp. 80–89. doi: 10.1016/j.reprotox.2021.04.003.
- Parwata, I. M. O. A. (2016) ‘Bahan Ajar Antioksidan’, (Mkb 7056), pp. 1–101.
- Pereira, S.C., Oliveira, P.F., Oliveira, S.R., Pereira, M.d.L., Alves, M.G (2021) ‘Impact of environmental and lifestyle use of chromium on male fertility: Focus on antioxidant activity and oxidative stress’, *Antioxidants*, 10(9), pp. 1–17. doi: 10.3390/antiox10091365.
- Prawirohardjo, S. (2011) *Ilmu Kandungan*. 3rd edn. Edited by M. Anwar, A. Baziad, and R. P. Prabowo. Jakarta: PT. Bina Pustaka Sarwono Prawirohardjo.
- Purnamasari, L., Agus, A. and Noviandi, C. T. (2019) ‘Effects of Methionine-Cysteine Amino Acid Supplementations in the Aflatoxin B1 Contaminated Diet on Broiler Production Performance’, *Buletin Peternakan*, 43(4), pp. 231–236. doi: 10.21059/buletinpeternak.v43i4.31150.
- Ramesh, T., Kim, S.W., Hwang, S.Y., Shon, S.H., Yoo, S.K., Kim, S.K. (2012) ‘Panax ginseng reduces oxidative stress and restores antioxidant capacity in aged rats’, *Nutrition Research*, 32(9), pp. 718–726. doi: 10.1016/j.nutres.2012.08.005.
- Rehab, M. E. and Ashraf, M. E. (2014) ‘The protective effect of Panax ginseng against chromium picolonate induced testicular changes’, *African Journal of Pharmacy and Pharmacology*, 8(12), pp. 346–355. doi: 10.5897/ajpp2013.3822.
- Rejeki, S. P., Putri, E. A. C. and Prasetya, R. E. (2018) *Ovariectomi pada tikus dan mencit*, Airlangga University Press.
- Schmidt, L., Olorisade, B. K., McGuinness, L. A., Thomas, J., & Higgins, J. (2021) ‘Data extraction methods for systematic review (semi)automation: A living systematic review’, *F1000Research*, 10(May), pp. 1–35. doi: 10.12688/f1000research.51117.1.
- Sherwood, L. (2013) *Sherwood Introduction to Human Physiology 8th Edition*. Penerbit Buku Kedokteran EGC.
- Stefani, H. (2016) ‘Praktikum Farmakologi’, *Kementerian Kesehatan RI*.
- WHO (2010) ‘WHO Laboratory Manual for the Examination and Processing of Human Semen (5th edition)’.’, 5, pp. 7–54.
- WHO (2020) *Infertility*. Available at: <https://www.who.int/news-room/fact-sheets/detail/infertility> (Accessed: 25 March 2021).
- Won, Y. J., Kim, B.K., Shin, Y.K., Jung, S.H., Yoo, S.K., Hwamh, S.Y., Sung, J.H., Kim, S.K. (2014) ‘Pectinase-treated Panax ginseng extract (GINST) rescues

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testicular dysfunction in aged rats via redox-modulating proteins', *Experimental Gerontology*, 53, pp. 57–66. doi: 10.1016/j.exger.2014.02.012.

World Health Organization (2021) *WHO laboratory manual for the examination and processing of human semen Sixth Edition*, World Health Organization. Available at: [http://whqlibdoc.who.int/publications/2010/9789241547789\\_eng.pdf](http://whqlibdoc.who.int/publications/2010/9789241547789_eng.pdf).

Yun, T. K. (2001) 'Brief introduction of Panax ginseng C.A. Meyer.', *Journal of Korean medical science*, 16 Suppl(4), pp. 16–18. doi: 10.3346/jkms.2001.16.S.S3.