

## DAFTAR PUSTAKA

- Abshenas, J, Babaci, H, Zarc, M, Allahbakhs, A, Sharififar, F 2011, ‘The effects of green tea (*Camellia sinensis*) extract on mouse semen quality after scrotal heat stress’, *Veterinary Research Forum*, Vol. 2, No. 4, hlm. 242-247, diakses pada 14 Juni 2020  
[http://vrf.iranjournals.ir/article\\_1550.html](http://vrf.iranjournals.ir/article_1550.html)
- Abd-Elhakim, YM, Sharkawy, NIE, Bohy, KME, Hassan, MA, Gharib, HS, El-Metwally, AE, Arisha, AH, Imam, TS 2021, ‘Iprodione and Chlorpyrifos, Alone and in a Mixture, Impaired Male Fertility and Sexual Behavior in Adult Rats via Suppression of Steroidogenic Genes and SIRT1/TERT/PGC-1 $\alpha$  Pathway’, *Environmental Science and Pollution Research*, diakses pada 14 Juni 2021  
<https://doi.org/10.21203/rs.3.rs-255267/v1>
- Abdelrazek, HMA, Helmy, SA, Elsayed, DH, Ebaid, HM, Mohamed, RM 2016, ‘Ameliorating effects of green tea extract on cadmium induced reproductive injury in male Wistar rats with respect to androgen receptors and caspase- 3’, *Reprod Biol*, Vol. 16, No. 4, hlm. 300-308, diakses pada 14 Juni 2020  
doi: 10.1016/j.repbio.2016.11.001.
- Afiati, F, Yulnawati, Riyadi, M & Arifiantini, RI 2015, ‘Abnormalitas Spermatozoa Domba dengan Frekuensi Penampungan Berbeda’, *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, Vol. 1, No. 4, hlm. 930–934, diakses pada 15 Mei 2020  
[https://www.researchgate.net/publication/300783167\\_Abnormalitas\\_spermatozoa\\_domba\\_dengan\\_frekuensi\\_penampungan\\_berbeda](https://www.researchgate.net/publication/300783167_Abnormalitas_spermatozoa_domba_dengan_frekuensi_penampungan_berbeda)
- Al-Masri, SA 2015, ‘Effect of pumpkin oil and vitamin E on lead-induced testicular toxicity in male ratS’, *J Anim Plant Sci.*, Vol. 25, No.1, hlm. 72–77, diakses pada 14 Juni 2020  
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1037.8703&rep=rep1&type=pdf>
- Al-Olayan, EM, Aloufi, AS, AlAmbri, OD, El-Habit, OH, Moneim, AEA 2020, ‘Protocatechic acid mitigates cadmium-induced neurotoxicity in rats: Role of oxidative stress, inflammation and apoptosis’, *Sci Total Environ.*, Vol. 723, diakses 14 Juni 2021  
<https://www.sciencedirect.com/science/article/abs/pii/S0048969720314820?via%3Dihub>
- Anggraini, T 2017, *Proses dan Manfaat Teh*, Penerbit Erka, Padang.
- Asterina, Endrinaldi 2014, ‘Pengaruh Timbal (Pb) Terhadap Kadar MDA Serum Tikus putih Jantan’, *Andalas Journal of Health*, Vol. 3, No. 3, diakses pada

28 Mei 2020

<http://jurnal.fk.unand.ac.id/index.php/jka/article/view/197>

Atilgan, D, Parlaktas, B, Uluocak, N, Gencten, Y, Erdemir, F, Ozyurt, H, Erkorkmaz, U, Aslan, H 2014, ‘Pomegranate (*Punica granatum*) juice reduces oxidative injury and improves sperm concentration in a rat model of testicular torsion-detorsion’, *Experimental and Therapeutic Medicine*, Vol. 8, No. 2, hlm. 478-482, <https://doi.org/10.3892/etm.2014.1782>

Atta, MS, Almadaly, EA, El-Far, AH, Saleh, RM, Assar, DH, Jaouni, SKA, Mousa, SA 2017, ‘Thymoquinone Defeats Diabetes-Induced Testicular Damage in Rats Targeting Antioxidant, Inflammatory and Aromatase Expression’, *Int J Mol Sci.*, Vol. 18, No. 5, hlm. 919, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/28448463/>

Awoniyi, DO, Aboua, YG, Marnewick, J, Brooks, N 2012, ‘The Effects of Rooibos (*Aspalathus linearis*), Green Tea (*Camellia sinensis*) and Commercial Rooibos and Green Tea Supplements on Epididymal Sperm in Oxidative Stress-induced Rats’, *Phytotherapy Research*, 26(8), <https://doi.org/10.1002/ptr.3717>

Azizi, M dan Mehranjani, S 2019, ‘The effect of green tea extract on the sperm parameters and histological changes of testis in rats exposed to para-nonylphenol’, *Int J Reprod Biomed*, 17(10) pp 717-726, doi: 10.1850/ijrmv17i10.5290.

Balittri, JT 2013, Kandungan Senyawa Kimia Pada daun Teh, *Warta Penelitian dan Pengembangan Tanaman Industri*, Vol. 19, No. 3, Desember 2013, diakses pada 15 Mei 2020  
[perkebunan.litbang.pertanian.go.id/wp.../perkebunan\\_warta-vol19No3-2013-4.pdf](http://perkebunan.litbang.pertanian.go.id/wp.../perkebunan_warta-vol19No3-2013-4.pdf)

Barati, E, Nikzad, H, Karimian, M 2020, ‘Oxidative stress and male infertility: current knowledge of pathophysiology and role of antioxidant therapy in disease management’, *Cell. Mol. Life Sci.*, Vol. 77, hlm. 93–113, diakses pada 19 Maret 2021  
<https://doi.org/10.1007/s00018-019-03253-8>

Barroso, MF, Ramalhosa, MJ, Alves, RC, Dias, A, Soares, CMD, Olivia-Teles, MT, Delerue-Matos, C 2016, ‘Total antioxidant capacity of plant infusions: Assessment using electrochemical DNA-based biosensor and spectrophotometric methods’, *Food Control*, Vol. 68, hlm. 153-161, diakses pada 15 Juni 2021  
<https://doi.org/10.1016/j.foodcont.2016.03.029>

Bennett, LR, Wiweko, B, Bell, L, Shafira, N, Pangestu, M, Adayana, IBP, Hinting, A, Armstrong, G 2015, ‘Reproductive knowledge and patient education needs among Indonesian women infertility patients attending

- three fertility clinics', *Patient Education and Counseling*, Vol. 98, hlm. 364-369, diakses pada 14 Oktober 2020  
<https://doi.org/10.1016/j.pec.2014.11.016>
- Benoff, S, Auborn, K, Marmar, JL, Hurley, IR 2008, 'Link between low-dose environmentally relevant cadmium exposures and asthenozoospermia in a rat model', *Fertil Steril.*, Vol. 89, No.2, hlm. 73-9, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/18308070/>
- Chu, KO, Chan, KP, Yang, YP, Qin, YJ, Li, WY, Chan, SO, Wang, CC, Pang, CP 2015, 'Effects of EGCG content in green tea extract on pharmacokinetics, oxidative status and expression of inflammatory and apoptotic genes in the rat ocular tissues', *Biochemistry*, Vol. 26, No. 11, hlm. 1357-1367,  
<https://doi.org/10.1016/j.jnutbio.2015.07.001>
- Cole, TB, Bever, RP, Bammeir, TK, Park, SS, Farin, FM, Costa, LG, Furlong, CE 2011, 'Repeated developmental exposure of mice to chlorpyrifos oxon is associated with paraoxonase 1 (PON1)-modulated effects on cerebellar gene expression', *Toxicol Sci*, Vol. 123, hlm. 155–169, diakses pada 14 Juni 2021  
doi: 10.1093/toxsci/kfr157
- Condorelli, R, Russo, GI, Calogero, A, Morgia, G, La Vignera, S 2017, 'Chronic prostatitis and its detrimental impact on sperm parameters: a systematic review and meta-analysis', *J Endocrinol Invest*, Vol. 40, No. 11, hlm. 1209–1218, diakses pada 19 Maret 2021  
<https://pubmed.ncbi.nlm.nih.gov/28488229/>
- Cruz-Benito, J 2016, 'Systematic Literature Review & Mapping', Grupo GRIAL, Salamanca, Espana, diakses pada 9 Juni 2020  
<https://doi.org/10.5281/zenodo.165773>
- Cui, X, Jing, X, Wu, X, Wang, Z, Li, Q 2016, 'Potential effect of smoking on semen quality through DNA damage and the downregulation of Chk1 in sperm', *Mol Med Rep.*, Vol. 14, No. 1, hlm. 753-761, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4918538/>
- Dai, J, Wang, Z, Qiao, Z 2015, 'The hazardous effects of tobacco smoking on male fertility', *Asian J Androl.*, Vol. 17, No. 6, hlm. 954-960, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4814952/>
- Darbandi, M, Darbandi, S, Agarwal, A, Sengupta, P, Durairajanayagam, D, Henkel, R, Sadeghi, MR 2018, 'Reactive oxygen species and male reproductive hormones', *Reprod Biol Endocrinol*, Vol. 16, No. 1, hlm. 87  
<https://pubmed.ncbi.nlm.nih.gov/30205828/>

- Das, B, Biswas, B, Ghosh, A, Pakhira, BP, Ghosh, D 2017, ‘Ameliorative role of ethyl-acetate fraction of methanolic leaf extract of *Camellia sinensis* (green tea) on streptozotocin-induced diabetes linked testicular hypofunction in albino rat: A dose-dependent biochemical and genomic transection study’, *J Complement Integr Med*, 14(4), doi: 10.1515/jcim-2016-0084.
- Dewey, A, Drahota, A 2016, ‘Introduction to Systematic Reviews: Online Learning Module Cochrane Training’, diakses pada 9 Juni 2020  
<https://training.cochrane.org/interactivelearning/module-1-introduction-conducting-systematic-reviews>
- Dorland 2012, *Dorland’s Illustrated Medical Dictionary 32<sup>nd</sup> ed*, Elsevier Saunders, Philadelphia.
- Dua, TK, Dewanjee, S, Khanra, R, Joardar, S, Barma, S, Das, S, Zia-Ul-Haq, M, Feo, VD 2016, ‘Cytoprotective and Antioxidant Effects of an Edible Herb, *Enhydra fluctuans* Lour. (Asteraceae), against Experimentally Induced Lead Acetate Intoxication’, *PLoS One*, Vol. 11, No. 2, hlm. 1-21, diakses pada 14 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4747604/>
- Duan, P, Hu, C, Butlet, HJ, Quan, C, Chen, W, Huang, W, Tang, S, Zhou, W, Yuan, M, Shi, Y, Martin, FL, Yang, K 2016, ‘Effects of 4-Nonylphenol on spermatogenesis and induction of testicular apoptosis through oxidative stress-related pathways’, *Reproductive Toxicology*, Vol. 62, hlm. 27-38, diakses pada 9 Juni 2020  
<https://core.ac.uk/download/pdf/76958589.pdf>
- Duarsa, GWK, Soebadi, DM, Taher, A, Purnomo, BB, Rasyid, N, Noegrogo, BS, Warli, SM, Birowo, P, Ricky, A, Indrawarman, Rizaldi, F 2015, ‘Guidelines on Male Infertility’, *Ikatan Ahli Urologi Indonesia (IAUI)*, Vol. 2, No.1, hlm 1-6, diakses pada 19 Maret 2021  
[http://iaui.or.id/ast/file/Guideline\\_Infertilitas\\_Pria\\_2015.pdf](http://iaui.or.id/ast/file/Guideline_Infertilitas_Pria_2015.pdf)
- Dutta, S, Majzoub, A, Agarwal, A 2018, ‘Oxidative stress and sperm function: A systematic review on evaluation and management’, *Arab Journal of Urology*, Vol. 17, No. 2, hlm. 87-97, <https://doi.org/10.1080/2090598X.2019.1599624>
- Ebokaiwe, AP, Ijomone, OM, Osawe, SO, Chukwu, CJ, Ejike, CECC, Zhang, G, Wang, F 2018, ‘Alteration in sperm characteristics, endocrine balance and redox status in rats rendered diabetic by streptozotocin treatment: attenuating role of *Loranthus micranthus*’, *Redox Rep.*, Vol. 23, No. 1, hlm. 194-205, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6748702/>
- El-Refaiy, AI, dan Eissa, FI 2013, ‘Histopathology and cytotoxicity as biomarkers in treated rats with cadmium and some therapeutic agents’, *Saudi Journal of*

*Biological Sciences*, Vol. 20, No. 3, hlm. 265-280, diakses pada 28 Mei 2020  
<https://doi.org/10.1016/j.sjbs.2013.02.004>

Eldebaky, HA, Sabra, HA, Samy, AA, Eman, MG, El-Khadrawy, HH 2015, ‘Protective Effect of Green Tea (*Camellia sinensis*) Extract on P53 Gene Mutation and Reproductive Toxicity in Male Rat’, *E3 Journal of Medical Research*, Vol. 5, No. 2, hlm. 53-62, diakses pada 15 Juni 2020  
[https://www.researchgate.net/profile/Hazem\\_Eldebaky6/publication/315664525\\_Protective\\_Effect\\_of\\_Green\\_Tea\\_Camellia\\_snensi\\_Extract\\_on\\_P53\\_Gene\\_Mutation\\_and\\_Reproductive\\_Toxicity\\_in\\_Male\\_Rat/links/58d96b1b9851ce5e92ba4f8/Protective-Effect-of-Green-Tea-Camellia-snensi-Extract-on-P53-Gene-Mutation-and-Reproductive-Toxicity-in-Male-Rat.pdf](https://www.researchgate.net/profile/Hazem_Eldebaky6/publication/315664525_Protective_Effect_of_Green_Tea_Camellia_snensi_Extract_on_P53_Gene_Mutation_and_Reproductive_Toxicity_in_Male_Rat/links/58d96b1b9851ce5e92ba4f8/Protective-Effect-of-Green-Tea-Camellia-snensi-Extract-on-P53-Gene-Mutation-and-Reproductive-Toxicity-in-Male-Rat.pdf)

Eleawa, SM, Alkhateeb, MA, Alhashem, FH, Bin-Jaliah, I, Sakr, HF, Elrefaey, HM, Elkarib, AO, Alessa, RM, Haidara, MA, Shatoor, AS, Khalil, MA 2014, ‘Resveratrol Reverses Cadmium Chloride-induced Testicular Damage and Subfertility by Downregulating p53 and Bax and Upregulating Gonadotropins and Bcl-2 gene Expression’, *J Reprod Dev.*, Vol. 60, No.2, hlm. 115-127, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3999390/>

Elgawish, RAR dan Abdelrazek, HMA 2014, ‘Effects of lead acetate on testicular function and caspase-3 expression with respect to the protective effect of cinnamon in albino rats’, *Toxicol Rep.*, Vol. 1, hlm. 795-801, diakses pada 14 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5598148/>

Elitasari, D & Andriani, I 2017, ‘Pengaruh Pemberian Gel Biji Jintan Hitam (*Nigella sativa*) Pada Proses Penyembuhan Luka Gingiva’, *Research Repository UMY*, diakses pada 27 Mei 2020  
<http://repository.umy.ac.id/handle/123456789/15525>

Figueiroa, MS, Vieira, JSBC, Leite, DS, Filho, RCOA, Ferreira, F, Gouveia, PS, Udrisar, DP, Wanderley, MI 2009, ‘Green tea polyphenols inhibit testosterone production in rat Leydig cells’, *Asian J Androl.*, Vol. 11, No. 3, hlm. 362-70, diakses pada 15 Juni 2021  
<https://doi.org/10.1038/aja.2009.2>

Fitria, L, Mulyati, Tiraya, CM, Budi, AS 2015, ‘Profil Reproduksi Jantan Tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar Stadia Muda, Pradewasa dan Dewasa’, *Jurnal Biologi Papua*, Vol. 7, No. 1, hlm. 29-36 diakses pada 28 Mei 2020  
<http://ejournal.uncen.ac.id/index.php/JBP/article/view/429>

Ganga, UK, Hemalatha, C, Kishori, B 2018, ‘Protective role of date fruit extract against chlorpyrifos-induced reproductive toxicity in albino male rats’,

*International Journal of Green Pharmacy*, Vol. 12, No. 1, diakses pada 14 Juni 2021  
<http://dx.doi.org/10.22377/ijgp.v12i01.1606>

Ghaffari, MA dan Rostami M 2013, ‘The effect of cigarette smoking on human sperm creatine kinase activity: as an ATP buffering system in sperm’, *Int J Fertil Steril.*, Vol. 6, No. 4, hlm. 258-65, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/24520449/>

Gofur, A, Witjoro, A, Ningtiyas, EW, Setyowati, E 2018, ‘The ameliorative effect of black soybean and purple sweet potato to improve sperm quality through suppressing reactive oxygen species (ROS) in type 2 diabetes mellitus rat (*Rattus norvegicus*)’, *Science Asia*, Vol. 44, No. 5, hlm. 303-310, diakses pada 28 Mei 2020  
<https://doi.org/10.2306/scienceasia1513-1874.2018.44.303>

Gunstream, SE 2013, *Anatomy and Physiology with Integrated Study Guide. Fifth Edition*, Mc Graw Hill, New York.

Guo, L, Li, L, Wang, W, Pan, Z, Zhou, Q, Wu, Z 2012, ‘Mitochondrial reactive oxygen species mediates nicotine-induced hypoxia-inducible factor-1 $\alpha$  expression in human non-small cell lung cancer cells’, *Biochim Biophys Acta.*, Vol. 1822, No. 6, hlm. 852-61, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/22349311/>

Guyton, AC, Hall, JE 2011, *Guyton dan Hall buku ajar fisiologi kedokteran*, Edisi ke-12, diterjemahkan oleh: Siagian M, Elsevier, Singapura.

Hamadouche, NAIT, Sadi, N, Kharoubi, O, Slimani, M, Aoues, A 2013, ‘The Protective Effect of Vitamin E against Genotoxicity of Lead Acetate Intraperitoneal Administration in Male Rat’, *Not Sci Biol.*, Vol. 5, No. 4, hlm. 412-419, diakses pada 14 Juni 2021  
<https://www.notulaebiologicae.ro/index.php/nsb/article/view/9125/8532>

Harlev, A, Agarwal, A, Gunes, SO, Shetty, A, du Plessis, SS 2015, ‘Smoking and male infertility: an evidence-based review’, *World J Mens Health*, Vol. 33, No. 3, hlm. 143–160, diakses pada 19 Maret 2021  
<https://pubmed.ncbi.nlm.nih.gov/26770934/>

Hashim, F, Eva, T, Peter, M, Robert, S, Norbe, L 2016, ‘Effects of biological active substances to the spermatozoa quality’, *Journal of Microbial Biotechnology and Food Sciences*, Vol. 5, No. 3, hlm. 263-267, diakses pada 15 Juni 2021  
<https://doi.org/10.15414/jmbfs.2015/16.5.3.263-267>

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*, Vol. 44, No. 2, hlm. 532–553, diakses pada

18 Mei 2020  
<https://doi.org/10.1159/000485089>

Heikal, TM, Mossa, AT, Ibrahim, AW, Abdel-Hamid, HF 2014, ‘Oxidative damage and reproductive toxicity associated with cyromazine and chlorpyrifos in male rats: the protective effects of green tea extract’, *Research Journal Environmental Toxicology*, Vol. 8, No. 2, hlm. 53–67, diakses pada 27 Mei 2020

[https://www.researchgate.net/profile/Abdeltawab\\_Mossa/publication/269471522\\_Oxidative\\_Damage\\_and\\_Reproductive\\_TOxicity\\_Associated\\_with\\_Cyromazine\\_and\\_Chlorpyrifos\\_in\\_Male\\_Rats\\_The\\_Protective\\_Effects\\_of\\_Green\\_Tea\\_Extract/links/556afae008aefcb861d60ba9.pdf](https://www.researchgate.net/profile/Abdeltawab_Mossa/publication/269471522_Oxidative_Damage_and_Reproductive_TOxicity_Associated_with_Cyromazine_and_Chlorpyrifos_in_Male_Rats_The_Protective_Effects_of_Green_Tea_Extract/links/556afae008aefcb861d60ba9.pdf)

Hijazi MM, Khatoon, N, Azmi, MA, Rajput, MT, Zaidi, SI, Azmi, MA, Perveen, R, Naqvi, SN, Rashid, M 2015, ‘Effects of Camellia sinensis L. (green tea) extract on the body and testicular weight changes in adult Wistar rat’, *Pak. J. Pharm. Sci.* Vol. 28, No. 1, hlm. 249–253, 25553702

Holczer, M, Besze, B, Zambo, V, Csala, M, Banhegyi, G, Kapuy, O 2018, ‘Epigallocatechin-3-Gallate (EGCG) Promotes Autophagy-Dependent Survival via Influencing the Balance of mTOR-AMPK Pathways upon Endoplasmic Reticulum Stress’, *Oxid Med Cell Longev*, diakses pada 15 Juni 2021  
<https://dx.doi.org/10.1155%2F2018%2F6721530>

Husein, U 2013, *Metode Penelitian untuk Skripsi dan Tesis Bisnis*, Edisi ke-2, Rajawali Pers, Jakarta.

Indriantoro, N & Supomo, B 2013, *Metodologi Penelitian Bisnis Untuk Akuntansi & Manajemen*, BPFE, Yogyakarta.

Iranshahi, M, Rezaee, R, Parhiz, H, Roohbakhsh, A, Soltani, F 2015, ‘Protective effects of flavonoids against microbes and toxins: The cases of hesperidin and hesperetin’, *Life Sci.*, Vol. 137, hlm. 125-32, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/26188593/>

Jana, K, Samanta, PK, De, DK 2010, ‘Nicotine Diminishes Testicular Gametogenesis, Steroidogenesis, and Steroidogenic Acute Regulatory Protein Expression in Adult Albino Rats: Possible Influence on Pituitary Gonadotropins and Alteration of Testicular Antioxidant Status’, *Toxicological Sciences*, Vol. 116, No. 2, hlm. 47–659  
<https://doi.org/10.1093/toxsci/kfq149>

Joanna Briggs Institute 2017, Checklist for Randomized Controlled Trials, *The Joanna Briggs Institute Critical Appraisal tools for use in JBI Systematic Reviews*, <http://joannabriggs.org/research/critical-appraisal-tools.html>

Jungwirth, A, Gede, WKD, Soebadi, DM, Taher, A, Purnomo, BB, Rasyid, N,

- Noegroho, BS, Warli, SM, Birowo, P, Adriansjah, R, Indrawarman & Rizaldi, F 2016, 'EAU guidelines on male infertility', *European Association of Urology*, hlm 7-15, diakses pada 12 Mei 2020  
<https://uroweb.org/wp-content/uploads/EAU-Guidelines-Male-Infertility-2016-2.pdf>
- Kabel, AM dan Elkhoely, AA 2017, 'Ameliorative Effect of Coenzyme Q10 and/or Candesartan on Carboplatin-Induced Nephrotoxicity: Roles of Apoptosis, Transforming Growth Factor-B1, Nuclear Factor Kappa-B and The Nrf2/HO-1 Pathway', *Asian Pac J Cancer Prev.*, Vol. 18, No. 6, hlm. 1629-1636, diakses pada 14 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/28670881/>
- Kanter, M 2011, 'Thymoquinone reestablishes spermatogenesis after testicular injury caused by chronic toluene exposure in rats', *Toxicol Ind Health*, Vol. 27, No. 2, hlm. 155-66, diakses pada 15 Juni 2021  
<https://doi.org/10.1177%2F0748233710382541>
- Khan, H, Khan, M, Qureshi, MS, Ahmad, S, Gohar, A, Ullah, H, Ullah, F, Hussain, A, Khatri, P, Shah, SSA, Rehman, H, Khan, A 2017, 'Effect of Green Tea Extract (*Camellia sinensis*) on Fertility Indicators of Post-Thawed Bull Spermatozoa', *Pakistan Journal of Zoology*, Vol. 49, No. 4, hlm. 1243-1249, diakses pada 22 Mei 2020  
[https://www.researchgate.net/profile/Said\\_Ali\\_Shah2/publication/317634569\\_Effect\\_of\\_Green\\_Tea\\_Extract\\_Camellia\\_sinensis\\_on\\_Fertility\\_Indicators\\_of\\_Post-Thawed\\_Bull\\_Spermatozoa/links/5947725caca2722db4a60e12/Effect-of-Green-Tea-Extract-Camellia-sinensis-on-Fertility-Indicators-of-Post-Thawed-Bull-Spermatozoa.pdf](https://www.researchgate.net/profile/Said_Ali_Shah2/publication/317634569_Effect_of_Green_Tea_Extract_Camellia_sinensis_on_Fertility_Indicators_of_Post-Thawed_Bull_Spermatozoa/links/5947725caca2722db4a60e12/Effect-of-Green-Tea-Extract-Camellia-sinensis-on-Fertility-Indicators-of-Post-Thawed-Bull-Spermatozoa.pdf)
- Khokhar, JY dan Tyndale, RF 2012, 'Rat brain CYP2B-enzymatic activation of chlorpyrifos to the oxon mediates cholinergic neurotoxicity', *Toxicol Sci*, Vol. 126, hlm. 325–335, diakses pada 14 Juni 2021  
[doi:10.1093/toxsci/kfs029](https://doi.org/10.1093/toxsci/kfs029)
- Kim J dan Soh J 2009, 'Cadmium-induced apoptosis is mediated by the translocation of AIF to the nucleus in rat testes', *Toxicol Lett.* Vol. 188, No. 1, hlm. 45-51, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/19433269/>
- Koesoemo, ARPJP 2016, 'Pemberian Ekstrak Teh Hijau (*Camellia sinensis*) terhadap Motilitas Spermatozoa Tikus Putih Jantan (Strain Wistar) yang Diberi Paparan Asap Rokok', diakses pada 12 Mei 2020  
<http://eprints.umm.ac.id/23183/1/jiptummpp-gdl-rpjyopoesp-42440-1-pendahul-n.pdf>
- Kong, Z, Sudirman, S, Hsu, Y, Su, C, Kuo, H 2019, 'Fucoxanthin-Rich Brown Algae Extract Improves Male Reproductive Function on Streptozotocin-

- Nicotinamide-Induced Diabetic Rat Model’, *Int J Mol Sci.*, Vol. 20, No. 18, hlm: 44-85, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6770327/>
- Kumar, V, Abbas, AK, Aster, JC 2013, *Robbins Basic Pathology*, PA: Saunders, Philadelphia.
- Kumar, S, Murarka, S, Mishra, VV, Gautam, AK 2014, ‘Environmental & Lifestyle Factors in Deterioration of Male Reproductive Health’, Indian Journal of Medical Research, Vol. 140, No. 1, hlm. 29-35, diakses pada 8 Agustus 2020  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4345749/#>
- Konsensus Penanganan Infertilitas 2013, ‘Konsensus Penanganan Infertilitas’, *Himpunan Endokrinologi Reproduksi dan Fertilitas Indonesia (HIFERI), Perhimpunan Fertilisasi In Vitro Indonesia (PERFITRI), Ikatan Ahli Urologi Indonesia (IAUI), Perkumpulan Obstetri dan Ginekologi Indonesia (IAUI), Perkumpulan Obstetri dan Gin*, Vol. 2, hlm 5-10, diakses pada 6 Mei 2020  
[http://labcito.co.id/wp-content/uploads/2015/ref/ref/Konsensus\\_Infertilitas\\_Revisi\\_9-1.pdf](http://labcito.co.id/wp-content/uploads/2015/ref/ref/Konsensus_Infertilitas_Revisi_9-1.pdf)
- Lehrer, RI dan Wuyuan, L 2012, ‘ $\alpha$ -Defensins in human innate immunity’, *Immunol Rev*, Vol. 245, hlm. 84–112, diakses pada 14 Juni 2021  
[doi:10.1111/j.1600-065X.2011.01082](https://doi.org/10.1111/j.1600-065X.2011.01082)
- Li, J, Pang, G, Ren, F, Fang, B 2019, ‘Chlorpyrifos-induced reproductive toxicity in rats could be partly relieved under high-fat diet’, *Chemosphere*, Vol. 229, hlm. 94-102, diakses pada 14 Juni 2021  
<https://doi.org/10.1016/j.chemosphere.2019.05.020>
- Li, X, Chen, S, Shen, B, Yang, J, Ji, S, Wen, Q, Zheng, Q, Li, L, Zhang, J, Hu, Z, Huang, X, Liu, Y 2013, ‘The Heat-Induced Reversible Change in the Blood-Testis Barrier (BTB) Is Regulated by the Androgen Receptor (AR) via the Partitioning-Defective Protein (Par) Polarity Complex in the Mouse’, *Biology of Reproduction*, Vol. 89, No. 1, hlm. 1-10, diakses pada 14 Juni 2021  
<https://academic.oup.com/biolreprod/article/89/1/12,%201-10/2514024>
- Li, X, Wang, L, Li, Y, Fu, J, Zhen, L, Yang, Q, Li, S, Zhang, Y 2016, ‘Tyrosine phosphorylation of dihydrolipoamide dehydrogenase as a potential cadmium target and its inhibitory role in regulating mouse sperm motility’, *Toxicology*, Vol. 52-64, hlm 357-358, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/27289041/>
- Li, Y, Zhou, Q, Hively, R, Yang, L, Small, C, Griswold, MD 2009, ‘Differential Gene Expression in the Testes of Different Murine Strains Under Normal

- and Hyperthermic Conditions', *J Androl.*, Vol. 30, No. 3, hlm. 325-337, diakses pada 14 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3209712/>
- Lu, WC, Wang, AQ, Chen, XL, Yang, G, Lin, Y, Chen, YO, Tian, HL 2014, '90d Exposure to nonylphenol has adverse effects on the spermatogenesis and sperm maturation of adult male rats', *Biomedical and Environmental Sciences*, Vol. 27, No. 11, hlm. 907–911, diakses pada 15 Juni 2021  
<http://dx.doi.org/10.3967%2Fbes2014.128>
- Mahmoudi, R, Azizi, A, Abedini, S, Hemayatkhah, V, Abidi, H, Jafari, BM 2018, 'Green tea improves rat sperm quality and reduced cadmium chloride damage effect in spermatogenesis cycle', *J Med Life*, 11(4), pp 371-380, doi:10.25122/jml-2018-0005.
- Malmir, M, Faraji, T, Ghafarizadeh, AA 2020, 'A review on effect of paranonylphenol on male reproductive system', *Perception in Reproductive Medicine*, Vol. 3, No. 5, diakses pada 15 Juni 2021  
<https://doi.org/10.1111/and.13748>
- Malmir, M, Faraji, T, Noreini, NS, Mehranjani, SM 2018, 'Protective antioxidant effects of N-acetylcysteine on testicular tissue and serum testosterone in paranonylphenol-treated mice (a stereological analysis)', *Reproductive System & Sexual Disorders*, Vol. 7, No. 225, diakses pada 15 Juni 2021  
[doi: 10.4172/2161-038x.1000225](https://doi.org/10.4172/2161-038x.1000225)
- Meng, J, Cao, S, Wei, X, Gan, R, Wang, Y, Cai, S, Xu, X, Zhang, P, Li, H 2019, 'Effects and Mechanisms of Tea for the Prevention and Management of Diabetes Mellitus and Diabetic Complications: An Updated Review', *Antioxidants (Basel)*, Vol. 8, No. 6, hlm. 170, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6617012/>
- Mereles, D dan Hunstein, W 2011, 'Epigallocatechin-3-gallate (EGCG) for clinical trials: more pitfalls than promises?', *Int J Mol Sci.*, Vol. 12, No. 9, hlm. 5592–5603, diakses pada 14 Juni 2021  
[doi: 10.3390/ijms12095592.](https://doi.org/10.3390/ijms12095592)
- Mogahed, HE, El-Rhman, AA, El-Sheikh, NM, Barakat, H 2019, 'Protective effects of cactus and/or papaya juices against hepatic and testicular toxicity induced by chlorpyrifos in albino rats', *World Journal of Pharmaceutical Research*, Vol. 8, No. 11, hlm. 142-161, diakses pada 14 Juni 2021  
[doi: 10.20959/wjpr201911-15955](https://doi.org/10.20959/wjpr201911-15955)
- Mohammad, F, Nikzad, H, Taherian, A, Mahabadi, JA, Salehi, M 2013, 'Effects of Herbal Medicine on Male Infertility', *ASJ*, Vol. 10, No. 4, hlm. 3-16, diakses pada 8 Agustus 2020  
<http://anatomyjournal.ir/article-1-54-en.html>

- Mohammadghasemi, F dan Jahromi, SK 2018, ‘Melatonin ameliorates testicular damages induced by nicotine in mice’, *Iran J Basic Med Sci*, Vol. 21, No. 6, hlm. 639-644, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6015250/>
- Moher, D, Shamseer, L, Clarke, M, Ghersi, D, Liberati, A, Petticrew, M, Shekelle, P, Stewart, LA, PRISMA-P GROUP 2015, ‘Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015 statement’, *Syst Rev* Vol.4, No. 1, diakses pada 9 Juni 2020  
<https://doi.org/10.1186/2046-4053-4-1>
- Mosbah, R, Yousef, MI, Mantovani, A 2015, ‘Nicotine-induced reproductive toxicity, oxidative damage, histological changes and haematotoxicity in male rats: the protective effects of green tea extract’, *Exp Toxicol Pathol*, 67(3) pp 253-9, doi: 10.1016/j.etp.2015.01.001.
- Nahdi, AMTA, John, A, Raza, H 2017, ‘Elucidation of Molecular Mechanisms of Streptozotocin-Induced Oxidative Stress, Apoptosis, and Mitochondrial Dysfunction in Rin-5F Pancreatic  $\beta$ -Cells’, *Oxidative Medicine and Cellular Longevity*, Vol. 2017, hlm. 1-15, diakses pada 11 Juni 2021  
<https://www.hindawi.com/journals/omcl/2017/7054272/>
- Nicola, Z, Federica, B, Simone, P, Elettra, V, Saverio, CF 2019, ‘Infertility Worldwide: The Lack of Global Pediatric Andrologist and Prevention’, *Male Reproductive Health*, diakses pada 14 Oktober 2020  
<https://www.intechopen.com/books/male-reproductive-health/infertility-worldwide-the-lack-of-global-pediatric-andrologists-and-prevention>
- Olszowski, T, Baranowska-Bosiacka, I, Gutowska, I, Chlubek, D 2012, ‘Pro-inflammatory properties of cadmium’, *Acta Biochim*, Vol. 59, No. 4, hlm. 475-82, diakses pada 11 Juni 2021  
<https://pubmed.ncbi.nlm.nih.gov/23240106/>
- Opwuari, C dan Monsees, T 2020, ‘Green tea consumption increases sperm concentration and viability in male rats and is safe for reproductive, liver and kidney health’, *Sci Rep* 10, <https://doi.org/10.1038/s41598-020-72319-6>
- Oyeyipo, IP, Raji, Y, Bolarinwa, AF 2013, ‘Nicotine alters male reproductive hormones in male albino rats: The role of cessation’, *J. Hum. Reprod. Sci.*, Vol. 6, No. 1, hlm. 40-44, <https://dx.doi.org/10.4103%2F0974-1208.112380>
- Pallavi S, Ambuj BJ, Rama SD, Mohammad, P 2012, ‘Reactive Oxygen Species, Oxidative Damage, and Antioxidative Defense Mechanism in Plants under Stressful Condition’, *Journal of Botany*, Vol. 2012, Article ID 217037, diakses pada 14 Oktober 2020  
<https://doi.org/10.1155/2012/217037>

- Paul, C, Teng, S, Saunders, PTK 2009, ‘A single, mild, transient scrotal heat stress causes hypoxia and oxidative stress in mouse testes, which induces germ cell death’, *Biol Reprod.*, Vol. 80, No. 5, hlm. 913-919, diakses pada 14 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2709966/>
- Prawirohardjo, S 2011, Infertilitas. Dalam: Mohammad, A. Baziad, A. Prabowo, P (editor). Ilmu kandungan. Jakarta: PT bina Pustaka. Hal 424- 434
- Putri, AP 2015, ‘Efek Vitamin C Terhadap Kualitas Spermatozoa yang Diberi Paparan Asap Rokok’, *J Majority*, Vol. 4, No. 1, diakses pada 17 Mei 2020  
<http://juke.kedokteran.unila.ac.id/index.php/majority/article/view/493>
- Poprac, P, Jomova, K, Simunkova, M, Kollar, V, Rhodes, CJ, Valko, M 2017, ‘Targeting Free Radicals in Oxidative Stress-Related Human Diseases’, *Trends in Pharmacological Sciences*, Vol. 38, No. 7, hlm. 592-607,  
<https://doi.org/10.1016/j.tips.2017.04.005>
- Ray, D 2019, ‘Effects of Nicotine on Sperm Health and Semen Quality: A Review based on Animal Studies’, *Journal of Drug Delivery and Therapeutic*, Vol. 9, No. 4a, Juli-Agustus 2019, diakses pada 28 Mei 2020  
<http://jddtonline.info/index.php/jddt/article/view/3512>
- Rahman, SU, Huang, Y, Zhu, L, Feng, S, Khan, IM, Wu, J, Li, Y, Wang, X 2018, ‘Therapeutic Role of Green Tea Polyphenols in Improving Fertility: A Review’, *nutrients*, Vol. 10, No. 834, diakses pada 15 Juni 2020  
<https://doi:10.3390/nu10070834>
- Ribas-Maynou, J, Benet, J 2019, ‘Single and Double Strand Sperm DNA Damage: Different Reproductive Effects on Male Fertility’, *Genes (Basel)*, Vol. 10, No. 2, hlm. 105, diakses pada 15 Juni 2021  
<https://dx.doi.org/10.3390%2Fgenes10020105>
- Ribas-Maynou, J, Yeste, M 2020, ‘Oxidative Stress in Male Infertility: Causes, Effects in Assisted Reproductive Techniques, and Protective Support of Antioxidants’, *biology*, Vol. 9, No. 77, diakses pada 15 Juni 2020  
<https://doi:10.3390/biology9040077>
- Roychoudhury, S, Agarwal, A, Virk, G, Cho, CL 2017, ‘Potential Role of Green Tea Catechins in the Management of Oxidative Stress-associated Infertility’, *Reproductive BioMedicine Online*, Vol. 34, No. 5, hlm. 487-498, diakses pada 18 Mei 2020  
[http://www.clevelandclinic.org/reproductiveresearchcenter/docs/publications/563\\_Roychoudhury\\_et\\_al\\_Potential\\_role\\_of\\_green\\_tea\\_catechins\\_in\\_the.pdf](http://www.clevelandclinic.org/reproductiveresearchcenter/docs/publications/563_Roychoudhury_et_al_Potential_role_of_green_tea_catechins_in_the.pdf)
- Saleh, IG, Ali, Z, Abe, N, Wilson, FD, Hamada, FM, Abd-Ellah, MF, Walker, LA, Khan, IA, Ashfaq, MK 2013, ‘Effect of green tea and its polyphenols

- on mouse liver', *Fitoterapia*, Vol. 90, hlm. 151-159, <https://doi.org/10.1016/j.fitote.2013.07.014>.
- Saraswati, A 2015, 'Efektivitas ekstrak daun teh hijau (*Camellia sinensis*) dengan NaOCL 2,5% terhadap bakteri *Enterococcus faecalis* sebagai alternatif larutan irigasi saluran akar', *Universitas Hassanudin Makassar*, diakses pada 28 Mei 2020  
<http://repository.unhas.ac.id/bitstream/handle/123456789/15669/skripsi%20adeliana%20sarawati.pdf;sequence=1>
- Schöenthal, AH 2011, 'Adverse effects of concentrated green tea extracts', *Mol. Nutr. Food Res.*, Vol. 55, hlm. 874-885  
<https://doi.org/10.1002/mnfr.201000644>
- Sengupta, P 2013, 'The laboratory rat: relating its age with human's', *International journal of preventive medicine*, Vol. 4, No. 6, hlm. 624, diakses pada 28 Mei 2020  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3733029/>
- Sergio DM & Paola V 2020, 'Evolution of the Knowledge of Free Radicals and Other Oxidants', *Oxidative Medicine and Cellular Longevity*, Vol. 2020, Article ID 9829176, diakses pada 14 Oktober 2020  
<https://doi.org/10.1155/2020/9829176>
- Sha'bani, N, Miraj, S, Rafieian-Kohpayei, M, Namjoo, AR 2015, 'Survey of the detoxification effect of green tea extract on the reproductive system in rats exposed to lead acetate', *Adv Biomed Res*, doi: 10.4103/2277-9175.161582.
- Sifakis, S, Mparmpas, M, Soldin, OP, Tsatsakis, A 2011, 'Pesticide Exposure and Health Related Issues in Male and Female Reproductive System, Pesticides - Formulations, Effects, Fate', Margarita Stoytcheva, IntechOpen, doi: 10.5772/15845.  
<https://www.intechopen.com/books/pesticides-formulations-effects-fate/pesticide-exposure-and-health-related-issues-in-male-and-female-reproductive-system>
- Silverthorn, UD, William CO, MD, Claire WG, Andrew, CS, Bruce, RJ 2010, *Human Physiology an Integrated Approach*, Pearson Benjamin Cummings, New York.
- Skipper, A, Sims, JN, Yedjou, CG, Tchounwou, PB 2016, 'Cadmium Chloride Induces DNA Damage and Apoptosis of Human Liver Carciunoma Cells via Oxidative Stress', *Int J Environ Res Public Health*, Vol. 13, No. 1, hlm. 88, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4730479/>
- Susmiarsih PT, Kenconoviyati, Kuslestari. 2018, 'Potensi Ekstrak Daun Teh Hijau Terhadap Morfologi Dan Motilitas Spermatozoa Tikus Putih (*Rattus*

- norvegicus)* Setelah Paparan Asap Rokok’, *Majalah Kesehatan PharmaMedika*, Vol. 10, No. 1, hlm. 1-7, diakses pada 18 Mei 2020 <https://doi.org/10.33476/mkp.v10i1.682>
- Tate, P 2012, *Seeley’s Principles of Anatomy & Physiology*, 2nd ed., McGrawHill, New York.
- Tran, J 2013, ‘Green Tea: a Potential Alternative Anti-Infectious Agents Catechins and Viral Infections’, *Scientific Research*, Vol. 3, No. 4, hlm. 198-202, diakses pada 28 Mei 2020 <https://www.scirp.org/html/39002.html>
- Vieira, JIT, Silva, TA, Barbosa, WMP, Azevedo, GL, Arruda, LCP, Guerra, MMP, Soares, PC, Silva, ECB 2020, ‘Effect of green tea extract (*Camellia sinensis*) on the parameters of Wistar rats submitted or not to testicular heat shock’, *Anim Reprod*, Vol. 17, No. 2, diakses pada 15 Juni 2020 <https://doi.org/10.1590/1984-3143-AR2019-0049>
- Wahab, OA, Princely, AC, Oluwadamilare, AA, Oore-oluwapo, DO, Blessing, AO, Alfred, EF 2019, ‘Clomiphene citrate ameliorated lead acetate-induced reproductive toxicity in male Wistar rats’, *JBRA Assist Reprod.*, Vol. 23, No. 4, hlm. 336-343, diakses pada 11 Juni 2021 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6798595/>
- Wang, D, Hu, J, Wang, L, Hu, Y, Tan, F, Zhou, H, Shao, J, Yang, W 2012, ‘The Apoptotic Function Analysis of p53, Apaf1, Caspase3 and Caspase7 during the Spermatogenesis of the Chinese Fire-Bellied Newt *Cynops orientali*’, *PLoS One*, Vol. 7, No. 6, diakses pada 14 Juni 2021 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386923/>
- Wang, H, Li, D, Hu, Z, Zhao, S, Zheng, Z, Li, W 2016, ‘Protective Effects of Green Tea Polyphenol Against Renal Injury Through ROS-Mediated JNK-MAPK Pathway in Lead Exposed Rats’, *Molecules and Cells*, Vol. 39, No. 6, hlm. 508-513, diakses pada 11 Juni 2021 <https://dx.doi.org/10.14348%2Fmolcells.2016.2170>
- Whalen, K, Finkel, R, Panavelil, TA 2015, *Lippincott Illustrated Reviews: Pharmacology 6th edition*, Wolters Kluwer, Philadelphia.
- Wong, M 2013, ‘Mammalian target of rapamycin (mTOR) pathways in neurological diseases’, *Biomedical journal*, Vol. 36, No. 2, hlm. 40-50, diakses pada 15 Juni 2021 <https://dx.doi.org/10.4103%2F2319-4170.110365>
- World Health Organization (WHO) 2009, ‘International Committee for Monitoring Assisted Reproductive Technology (ICMART) and the World Health Organization (WHO) revised glossary of ART terminology’, Vol. 92, No. 5, diakses pada 17 Mei 2020

[https://www.who.int/reproductivehealth/publications/infertility/art\\_terminology2.pdf?ua=1](https://www.who.int/reproductivehealth/publications/infertility/art_terminology2.pdf?ua=1)

World Health Organization (WHO) 2010, ‘WHO Laboratory Manual for The Examination and Processing of Human Semen Fifth Edition’, Vol. 5, No. 2, hlm 7-54, diakses pada 17 Mei 2020  
[https://apps.who.int/iris/bitstream/handle/10665/44261/9789241547789\\_eng.pdf;jsessionid=558241B3557B649EF8E19C674AE75557?sequence=1](https://apps.who.int/iris/bitstream/handle/10665/44261/9789241547789_eng.pdf;jsessionid=558241B3557B649EF8E19C674AE75557?sequence=1)

World Health Organization (WHO) 2018, ‘International Classification of Diseases’, 11th Revision (ICD-11) Geneva: WHO 2018, diakses pada 17 Mei 2020  
<https://www.who.int/news-room/fact-sheets/detail/infertility>

Wright, C, Milne, S, Leeson, H 2014, ‘Sperm DNA damage caused by oxidative stress: modifiable clinical, lifestyle, and nutritional factors in male infertility’, *Reprod Biomed Online*, Vol. 28, No. 6, hlm. 684-703, diakses pada 15 Juni 2021  
<https://doi.org/10.1016/j.rbmo.2014.02.004>

Xie, Y, Yu, D, Wu, J, Li, L 2017, ‘Protective effects of physiological testosterone on advanced glycation end product-induced injury in human endothelial cells’, *Mol Med Rep.*, Vol. 15, No. 3, hlm. 1165-1171, diakses pada 11 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5367347/>

Yulianto, RA, Isnaeni, W, Susanti, R 2013, ‘Pengaruh Pemberian Vitamin E Terhadap Kualitas Sperma Tikus Putih yang Dipapar Timbal’, *Unnes Journal of Life Science*, Vol. 2, No. 2, hlm. 92-99, diakses pada 21 Mei 2020  
<https://journal.unnes.ac.id/sju/index.php/UnnesJLifeSci/article/view/2911>

Zanchi, MM, Manfredini, V, Brum, DS, Vargas, LM, Spiazzi, CC, Soares, MB, Izaguirry, AP, Santos, FW 2015, ‘Green tea infusion improves cyclophosphamide-induced damage on male mice reproductive system’, *Toxicology Reports*, Vol. 2, hlm. 252-260, diakses pada 15 Juni 2020  
<https://doi.org/10.1016/j.toxrep.2014.12.016>

Zhang, M, Shi, Z, Yu, J, Zhang, Y, Wang, L, Qiu, Y 2015, ‘Scrotal heat stress causes sperm chromatin damage and cysteinyl aspartate-specific proteinases 3 changes in fertile men’, *J Assist Reprod Genet.*, Vol. 32, No. 5, hlm. 747-755, diakses pada 14 Juni 2021  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4429437/>