

## DAFTAR PUSTAKA

- 1 WHO. Diabetes mellitus. 2018.[Cited 2018 September 22], Available from <https://www.who.int/mediacentre/factsheets/fs138/en/>.
- 2 Kasper DL, Hauser SL, Jameson JL, Fauci AL, Longo DL, Loscalzo J. Harrison Principles of Internal Medicine. 19th ed. Elsevier: New York; 2015. p.2399-400.
- 3 Departemen Kesehatan Republik Indonesia. Tahun 2030 Prevalensi Diabetes Melitus Di Indonesia Mencapai 21,3 Juta Orang. 2009.[Cited 2018 October 1], Available from <http://www.depkes.go.id/article/view/414/tahun-2030-prevalensi-diabetes-melitus-di-indonesia-mencapai-213-juta-orang.html>.
- 4 Azrimaidaliza. Asupan Zat Gizi dan Penyakit Diabetes Mellitus. *J Public Health*. 2009; 6: 36–41.
- 5 Departemen Kesehatan Republik Indonesia. Mari Kita Cegah Diabetes Dengan Cerdik. 2016.[Cited 2018 December 16], Available from <http://www.depkes.go.id/article/print/16040700002/menkes-mari-kita-cegah-diabetes-dengan-cerdik.html>.
- 6 Condorelli RA, Vignera S La, Mongioi LM, Alamo A, Calogero AE. Diabetes Mellitus and Infertility: Different Pathophysiological Effects in Type 1 and Type 2 on Sperm Function. *Front Endocrinol (Lausanne)*. 2018; 9:268.
- 7 Lindsay TJ, Vitrikas KR. Evaluation and Treatment of Infertility. *Am Fam Physician*. 2015; 91: 308–314.
- 8 Puscheck EE, Lucidi RS. Infertility. 2016. [Cited 2018 September 20, Available from <https://emedicine.medscape.com/article/274143-overview>.
- 9 WHO. Infertility definitions and terminology. 2018. [Cited 2018 September 20], Available from <https://www.who.int/reproductivehealth/topics/infertility/definitions/en/>.
- 10 Indarwati I, Retno U, Hastuti B, Lanti Y, Dewi R. Analysis of Factors Influencing Female Infertility. *J Matern Child Heal*. 2017; 2(2): 151–162.
- 11 Agarwal A, Mulgund A, Hamada A, Chyatte MR. A unique view on male infertility around the globe. *Reproductive Biology and Endocrinology*. 2015; 13: 1–9.
- 12 Singh K, Devi S, Pankaj PP. International Journal of Drug Development Diabetes Associated Male Reproductive Dysfunctions: Prevalence , Diagnosis and Risk Factors. *Int J Drug dev & Res*. 2016; 8: 7–10.
- 13 Anwar S, Anwar A. Scient Open Access Exploring the World of Science Infertility: A Review on Causes, Treatment and Management. *Womens Heal*

- Gynecol. 2016; 2(6).
- 14 Rodriguez H. Goji Juice Helps Men's Sperm Stay Healthy. 2018.[Cited 20 October 2018], Available from <https://natural-fertility-info.com/goji-juice-helps-mens-sperm-stay-healthy.html>.
  - 15 Silva C, Alves B, Azzalis L, Junqueira V, Fonseca R, Fonseca A et al. Goji Berry ( *Lycium Barbarum* ) in the Treatment of Diabetes Mellitus : a. Food Res. 2017; 1(6): 221–224.
  - 16 Cheng J, Zhou ZW, Sheng HP, He LJ, Fan XW, He ZX et al. An Evidence-Based Update on the Pharmacological Activities and Possible Molecular Targets of *Lycium Barbarum* Polysaccharides. Drug Des Devel Ther. 2015; 9: 33–78.
  - 17 Shi G-J, Zheng J, Wu J, Qiao H-Q, Chang Q, Niu Y et al. Protective Effects of (*Lycium barbarum*) Polysaccharide on Male Sexual Dysfunction and Fertility Impairments by Activating Hypothalamic Pituitary Gonadal Axis in Streptozotocin-Induced Type-1 Diabetic Male Mice. Endocr J. 2017; 64(9): 907–922.
  - 18 Zhang C, Wang A, Sun X, Li X, Zhao X, Li S et al. Protective Effects of *Lycium Barbarum* Polysaccharides on Testis Spermatogenic Injury Induced by Bisphenol A in Mice. Evid Based Complementary Altern Med. 2013; 2013.
  - 19 Adewoyin M, Ibrahim M, Roszaman R, Isa M, Alewi N, Rafa A et al. Male Infertility: The Effect of Natural Antioxidants and Phytochemicals on Seminal Oxidative Stress. Diseases. 2017; 5: 9.
  - 20 Bansal AK, Bilaspuri GS. Impacts of Oxidative Stress and Antioxidants on Semen Functions. Vet Med Int. 2011; 2011.
  - 21 Dursun R, Zengin Y, Gündüz E, İçer M, Durgun HM, Dağgulli M et al. The Protective Effect of Goji Berry Extract in Ischemic Reperfusion in Testis Torsion. Int J Clin Exp Med. 2015; 8(2): 2727–2733.
  - 22 Drake RL, Vogl AW, W.M.Mitchell A. Gray's Basic Anatomy. 1st ed. Elsevier Churchill Livingstone: Philadelphia; 2012. p.224-5.
  - 23 Wibowo DS, Paryana W. Anatomi Tubuh Manusia. 1st ed. Elsevier & Graha Ilmu: Jakarta; 2008. p.435-7.
  - 24 Moore KL, Dalley AF, Agur AMR. Clinically Oriented Anatomy. 7th ed. Wolters Kluwer Health/Lippincott Williams & Walkins: Philadelphia; 2014. p.209-10.
  - 25 J.Tortora G, Derrickson B. Principles of Anatomy & Physiology. 14th ed. Wiley: United states; 2014. p.1043-7.
  - 26 Eroschenko VP. diFiore's Atlas of Histology with Functional Correlations. 11th ed. Wolters Kluwer Health/Lippincott Williams & Walkins: United

- States; 2008. p.409-19.
- 27 L.Mescher A. Junqueira's Basic Histology. 14th ed. McGraw Hill Medical: New York; 2016. p.362-9.
  - 28 E.Hall J. Guyton and Hall: Textbook of Medical Physiology. 12th ed. Saunders Elsevier: United states; 2010. p.973-6.
  - 29 Kulczynski B, Gramza-Mitchatowska A. Goji Berry ( *Lycium barbarum* ): Composition and Health Effects – a Review. *Pol J Food Nutr Sci*. 2016; 66(2): 67–75.
  - 30 Kazbekovna SF, Arsenovna SM, Nikolaevich DO, Arsenovna M. Comparative Micromorphological Investigations of Red Goji Berries ( *Lycium barbarum* L.) and Black Goji Berries ( *Lycium ruthenicum* Murr ). *Pharmacogn J*. 2018; 10(5): 911–915.
  - 31 ITIS. *Lycium barbarum*. 2011. (Cited 2019 June 20), Available from [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=503599#null](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=503599#null).
  - 32 Gao Y, Wei Y, Wang Y, Gao F, Chen Z. *Lycium Barbarum* : A Traditional Chinese Herb and A Promising Anti-Aging Agent. *Aging and Disease*. 2017; 8(6): 778–792.
  - 33 Kocyigit E, Sanlier N. A Review of Composition and Health Effects of *Lycium barbarum*. *Int J Chinese Med*. 2017; 1(1): 1–9.
  - 34 PERKENI. Konsensus Pengelolaan dan Pencegahan Diabetes Mellitus Tipe 2 di Indonesia 2015. Indonesia: PB PERKENI.2015.
  - 35 Onyeagba RA, State A, Ugbo O. Studies on the Antimicrobial Effects of Garlic ( *Allium sativum* Linn ), Ginger ( *Zingiber officinale* Roscoe ) and Lime Citrus *aurantifolia* Linn ). *African J Biotechnol*. 2004; 3(10): 552-554.
  - 36 Sharma VK, Kumar S, Patel HJ, Hugar S. Hypoglycemic Activity of *Ficus Glomerata* in Alloxan Induced Diabetic Rats. *Int J Pharm Sci Rev Res*. 2010; 1 (2): 18–22.
  - 37 Husni A, Purwanti D. Research Article Blood Glucose Level and Lipid Profile of Streptozotocin-induced Diabetes Rats Treated with Sodium Alginate from *Sargassum crassifolium*. *J Biol Sci*. 2016; 16(3): 58–64.
  - 38 Albert-Einstein-College. Recommended Methods of Anesthesia, Analgesia, and Euthanasia for Laboratory Animal Species. *Albert Einstein Coll Med Inst Anim Stud*. 2014; 460.
  - 39 Gage GJ, Kipke DR, Shain W. Whole Animal Perfusion Fixation for Rodents. *J Vis Exp*. 2012; 65: 1–9.
  - 40 Suvarna SK, Layton C, Bancroft JD. *Bancrofts Theory and Practice of Histological Techniques*. 8th ed. Elsevier: China; 2018. p.40-63, 73-84.

- 41 Dey P. Basic and Advanced Laboratory Techniques in Histopathology and Cytology. Springer: Singapore; 2017. p.3-33, 41-79.
- 42 Anindita K, Sutyarso. Pengaruh Pemberian Vitamin C Terhadap Berat Testis, Jumlah Sel Leydig, dan Diameter Tubulus Seminiferus Mencit (Mus musculus L) Jantan Dewasa yang Diinduksi Monosodium Glutamat. 2000; : 36-48.

