

DAFTAR PUSTAKA

- A, G. (2004). Dynamic og Human Follicular Growth: Morphologic, Dynamic, and Fuctional Aspects. *Elsevier*, pp.25-43.
- Aditama, T. Y. (2001). *Masalah Merokok dan Penanggulangannya*. Jakarta: Yayasan Penerbitan Ikatan Dokter Indonesia.
- Aditama, T. Y. (2006). *Tuberkulosis, Rokok dan Perempuan*. Jakarta: FKUI.
- Agarwal, P. (2005). Prevention of Oxydative Stress Minireview: injury to sperm. *Journal of Andrology*, 654-60.
- Anttonen, P. A. (2014). FOXL2, GATA4, and SMAD 3 Co-operatively Modulate Gene Expression, Cell Viability and Apoptosis in OOvarian Granulosa Cell Tumor Cells. *PLOS one*, 9(1); 1-8.
- Anwar, r. (2005). *Sintesis, Fungsi, dan Interpretasi Pemeriksaan Hormon Reproduksi*. Bandung: Laporan Penelitian Subbagian Fertilitas dan Endokrinologi Reproduksi Bagian Obstetri dan Ginekologi Fakultas Kedokteran Unpad.
- Astuti, S. (2008). Isoflavon Kedelai dan Potensinya sebagai Penangkap Radikal Bebas. *Jurnal Teknologi Industri dan Hasil Pertanian*, Vol 13, No.2, Hal 126-136.
- Baziad, A. (2003). *Menopause dan Andropause*. Jakarta: Yayasan Bina Pustaka Sarwono Prawiroharjo.
- Beckmann CRB, F. L. (2010). *Obstetric and Gynecology. Lippincott Williams &Wilkins aWolters Kluwer Collaboration with Amarican Collage of Obstetricians and Gynecologists.philadelphia.London*, 337.
- Benowitz, N. L. (2010). Nicotine Addiction. *The New England Journal of Medicine*, 362 (24)
- Bernard, D. J. (2004). Both SMAD2 and SMAD3 mediate activin-stimulated expression of the follicle-stimulating hormone β subunit in mouse gonadotrope cells. *Mol Endocrinol* , 18:606–623.
- Bustan, M. (2007). *Epidemiologi Penyakit Tidak Menular; Edisi Ke 2*. Jakarta: Rineka Cipta.
- Calderwood, S. (2007). *Extracellular Heat Shock Proteins in Cell Signaling*. FEBS Letters: 581(19), pp 3689-94.
- Campbell, N. R. (2008). *Biology Concept and Connections*. San Fransisco: Benjamin Cummings.
- Campbell, N., & Reece, J. (2003). *Biology Consept and Connection*. San Fransisco: Benjamin Cummings.

- Cemelli, E. B. (2009). Antioxidant and The Comet Assay. *Mutation Research*.
- Chakravarti R, G. K. (2015). Novel Insights in Mammalian Catalase Heme Maturation: Effect of NO and Thioredoxin-1. *Free Radical Biology & Medicine*, Vol 82, p.105-113.
- Chian, R.-C. B.-L. (2003). In-Vitro Maturation of Human Oocytes. *Reproductive BioMedicine*, 148-166.
- Choi CS, D. T. (2009). The Study of X Ray Emission of The Magnetic Catalytic Variable AE Aquarii. *The Astrophysical Journal*, Vol 525, No. 1, p 399-406.
- Cohen, I. (2012). *HSP 60 and The Regulation of Inflammation: Physiological and Pathological*. In W van Eden ed. *Heat Shock Proteins and Inflammation*. Switzerland: Birkhauser Verlag Basel.
- Csmerly, P. I. (2002). *Heat shock proteins*. In: pp.67-75.
- De Biasi, M. a. (2008). Influence of Neuronal Nicotinic Receptors over Nicotina Addiction and Withdrawal. *Society for Experimental Biology and Medicine*, 917-929.
- Departemen Kesehatan, R. (2013). *Laporan Hasil Riset Kesehatan Dasar Indonesia (Riskesdas)*. Jakarta: Depkes RI.
- Djuwantono. (2008). *Memahami Infertilitas*. Bandung: Refika Aditama.
- Dunlop, & Anderson. (2014). *the regulation and assesment of follicular growth Scandivanian Journal of Clinical and Laboratory Investigation*, 74(244);13-17.
- Dunlop, A. (2014). The Regulation and Assesment of Follicular Growth. *Scandivanian Journal of Clinical and Laboratory Investigation*, 74(244);13-17.
- El Sadi F, N. A. (2013). *Ovulation and Regulation of The Menstrual Cycle*. Cambridge: Cambridge University Press, pp.38-47.
- Elmor, S. (2007). Apoptosis : a review of program cell death. *Toxicology pathology*, vol 5, no.5. pp.272-281.
- Elzbieta, K. K. (2016). Malondialdehyde (MDA) – product of lipid peroxidation as marker of homeostasis disorders and aging. *Annales Academiae Medicae Silesiensis*, 70;224-228.
- Enzo Life Science, I. (2010). *Heat Shock Proteins&The Cellular Stress Response*. 10: p.36.
- Espizona, G. H. (2008). Gluthathione Peroxidase Enzyme Activity in Aging. *The Journals of Gerontology Series A Biological Sciences and Medical Sciences*, Vol 63, No.5, p.505-509.
- Febriyeni. (2010). *Pengaruh Asap Rokok Terhadap kadar Hormon Estradiol dan Progesteron pada Tikus Putih (Rattus Norvegicus) Betina*. Padang: Biomedik Universitas Andalas.
- Fitria. (2013). *Merokok dan Oksidasi DNA*. Salatiga: Universitas Kristen Satya Wacana.

- Fitriani, Eriani, K., & W, S. (2010). The Effect of Cigarettes Smoke Exosured Causes Fertility of Male Mice (*Mus Musculus*). *J. Natural*, 10(2), 12-17.
- Fowles, B. M. (2000). *The Chemical Constituents in Cigarettes and Cigarette Smoke Priorities For Harm Reduction. Epidemiology and Toxicology Group*. New Zealand: ESR ; Kenepuru Science Centre.
- Francois, C., Giton, F., Gougeon, A., Ravel, C., Magre, S., & Cohentannoudji, a. G. (2017). A Novel Action of Folicle Stimulating Hormone in The Ovary Promotes Estradiol Production Without Inducing Excessive Follicular Growth Before Puberty. *Scientific Reports*, 7(46222);1-12.
- Ganong, W. (2003). *Review of Medical Physiology*. San Fransisco: Mac Graw Hill Book.
- Gartner, H. J. (2013). *Female Reproductive System*. Philadelphia: Lippincott Williams &Wilkins: 80, 1136-45.
- Gayatri A, S. D. (2012). Nicotine Replacement Therapy. *Cer Dun Ked (CDK)*, 39(1):25-30.
- Gerd, B. J. (2006). Membrane transport of hydrogen peroxide. *Biochimica et Biophysica Acta*, 994-1003.
- Giffard, R. (2004). Chaperones, Protein Aggregation and Brain Protection from Hypoxic/Ischemic Injury. *Journal of Exp Biology*, p.3213-3220.
- Gilchrist, A. H. (2008). Oocyted-secreted factors; Regulators of Cumulus Cell Function and Oocyte Quality. *Hum Reprod Update*, 14:159-77.
- Goldman, M. (2013). *Women and Health*. Amsterdam: Elsevier.
- Goldstein, M. (2009). Heat Shock Proteins in Infection Mediated Inflammation Induced Tumorigenesis. *Journal of Hematology &Oncology*, 2(1), p.5.
- Goodwin, R. D. (2011). Predictors of Persisten Nicotine Dependence Among Adult In The United States. *NIH Public Access*, 118(2-3):127-133.
- Gougeon, A. (2004). Dynamic of Human Follicular Growth; morphologic, dynamic, and functional aspects the ovary. *Amsterdam;elsevier*, 25-43.
- Gracia, C. e. (2005). *Risk Factors for Spontaneous Abortion in Simptomatic First Trimester Pregnancies*. 106(5):993-999: American College of Obstetrician and Ginecologists.
- Greenstein, B., & Wood, D. (2010). *At a Glance Sistem Endokrin*. Jakarta: Erlangga.
- Griebel, C. e. (2005). *management of Spontaneous Abortion*. 72:1243-1250: Am Fam Physician.
- Guerin P, M. (2001). Oxidative Stress and Protection Against Reactive Oxygen Spscies in the Pre-Implantation Embryo and its Surroundings. *Human Reptoduction Update*, 175-189.

- Gupta, G. J. (2008). pathogenic mechanisms in endometriosis-associated infertility. *Fertility and sterility*, 90(2): 247-57.
- Güven, M. (2005). *Cancer Biochem Biophys*, vol.17, pp.155-162.
- Guyton, H. a. (2006). *Buku Ajar Fisiologi Kedokteran. 11th ed.* Jakarta: EGC.
- Halliwell, B., & Cutler, J. (2007). *Free radicals in biology and medicine*. New York: Forth edition. Oxford University Press.
- Heidary F., A. R. (2012). The Effect of cigarette or Hookah smoking on serum level of LH, FSH or Testosterone in male rats . *International conference on medical Biological and pharmaceutical science*.
- Hoffmann D, H. I.-B. (2001). The less harmful cigarette: a controversial issue. A tribute to Ernst L. Wynder. . *Chemical Research in Toxicology*, 4(7):767–90.
- Hornby, A. (2010). *Oxford Advanced Learners Dictionary 8th ed.* Britain: Oxford University Press.
- Huang, H., Wu, J., Su, P., Zhirnov, O., & Miller, W. (2001). A novel role for bone morphogenetic proteins in the synthesis of follicle-stimulating hormone. *Endocrinology*, 142;2275-2283.
- Hukkanen J, J. I. (2005). Metabolism and Disposition Kinetics of Nicotine. *The American Society for Pharmacology and Experimental Therapeutics*, 79-115.
- Hummel, W. (2005). *Miscariage and The Succesfull Pregnancy*. USA: Universe.
- Hutapea, R. (2013). *Why Rokok? Tembakau dan Peradaban Manusia*. Jakarta: Bee Media Indonesia.
- Hutt, M. H. (2006). Kit Ligan and cKit have diverse roles during mamalian oogenesis and folliculogenesis. *Mol Hum Reprod*, 12;61-9.
- Immanuel, V. D. (2013). *Pengaruh Paparan Asap Rokok Terhadap Kualitas Spermatozoa Mencit Jantan (mUs Musculus)*. Manado: FK Universitas Sam ratulangi.
- Ismail NA, O. S. (2012). Gluttathione Peroxidase, Superoxide Dismutase And catalase Activities In Children With Chronic Hepatitis. *Advances in Bioscience and Biotechnology*, Vol 3, p. 972-977.
- Isselbacher, B. w. (2012). *Harrison Prinsip-prinsip Ilmu Penyakit Dalam : Volume 3. Edisi ke-13 Terjemahan*. Jakarta: EGC.
- Jaiswal SK, S. N. (2012). Carbofuran Induced Oxidative Stress Mediated Alteration in Na, K, ATPase Activity in Rat Brain : Amelioration by Vitamin E. *Journal of Biochemical and Molecular Toxicology*, Vol 00. No 00, p. 1-9.

- Jana, T., & Maria, A. (2012). Heat Shock Proteins (HSPs); a review. *Animal Science and Biotechnologies*, 45(1).
- Jauniaux E, P. L. (2006). Placental-Related Diseases of Pregnancy: Involvement of Oxidative Stress and Implication in Human Evolution. *Human Reproduction Update*, 747-755.
- Joyce. (1999). *follicles, Joyce Oocyte regulation of kit ligand expression in mouse ovarians*.
- Kampinga, H. (2010). The HSP70 chaperone machinery: J Proteins as drivers of functional specificity. *Nature Reviews Molecular Cell Biology*, 579-592.
- Kaneko, H. H. (1995). Immunoneutralization of inhibin and estradiol during the follicular phase of the estrous cycle in cows. *Biol. Reprod*, 53:931-939.
- Kapoor D, T. J. (2005). Smoking and Hormones in Health and Endocrine Disorders. *European Journal Endocrinology University of Sheffield, UK*, 152-499.
- Kemenkes, R. (2014). *Profil Kesehatan Indonesia Tahun 2013*. Jakarta: Kemenkes RI.
- Kemenkes, R. (2015). *Perilaku Merokok Masyarakat Indonesia Berdasarkan Riskesdas 2007 dan 2013*. Jakarta: Infodatin Pusat Data Informasi Kemeterrian Kesehatan RI.
- KemenkesRI. (2016). *Suarakan Kebenaran, Jangan Bunuh Dirimu dengan Candu Rokok. HTTS 2016*.
- Knight, G. C. (2006). TGF-beta superfamily members and ovarian follicle development. *Reproduction*, 132, 191-206.
- Koes, L. (2014). *Panduan Lengkap Biologi Reproduksi Manusia untuk Paramedis dan Non Medis*. Bandung: Alfabeta.
- Kohen R, N. A. (2002). Oxidation of Biological System: Oxidative Stress Phenomen, Antioxidants, Redox Reaction, and Methods for Their Quantification. *Toxicology Pathology*, 620-650.
- Krause, M.-K. (2011). Extracellular Heat Shock Proteins (eHSP) in Exercise: Possible Target Outside The Immune System and Their Role for Neurodegenerative Disorders Treatment. *Medical Hypotheses*, 286-290.
- Kumar, S., & Pandey, A. (2013). Chemistry and Biological Activities of Flavonoids. *The Scientific World Journal*, 1-16.
- Kumar, V., & Abbas, A. (2005). *Pathologic Basic of Disease*. Philadelphia: 8th Ed Saunders.
- Kurosaka, T. M. (2003). Silent Cleanup of Very Early Apoptotic Cells by Macrophages. *The Journal Of Immunology*, vol.171. pp. 4672-4679.
- Kusmiran, E. (2013). *Reproduksi Remaja dan Wanita*. Jakarta: Salemba Medika.

- Kwiecien, J. M. (2014). Lipid Peroxidation, Reactive Oxygen Species And Antioxidative Factors In The Pathogenesis Of Gastric Mucosal Lesions And Mechanism Of Protection Against Oxidative Stress-Induced Gastric Injury. *Journal Of Physiology And Pharmacology*, 65(5) ;613-622.
- Laitinen M., V. K. (1999). Growth Differentiation Factor -9 (GDF-9) related factor is co Expressed with GDF9 in mouse oocytes during folliculogenesis. *science direct*, 73:144-149.
- Leveno J, K. (2009). *Obstetri William Panduan Ringkas*. Jakarta: EGC.
- Li, S.-B. N.-F. (2014). Increased GDF 9 and BMP 15 mRNA Levels in Musculus Granulosa Cell Correlate with Oocyte Maturation, Fertilization, and Embryo Quality in Humans. *Reproductive Biology and Endocrinology*, 12:81-91.
- Lumongga, F. (2008). *Apoptosis*. Medan: Departemen Patologi Anatomi, FK Universitas Sumatera Utara.
- Macario, A. (2005). Sick Chaperones, Cellular Stress, and Disease. *New England Journal of medicine*, 1489-1501.
- Malhotra, V., & Wong, H. (2002). Interactions between the heat shock response and the nuclear factor kappa B signaling pathway. *Care Medicine*, 30;89-95.
- Manuaba. (2010). *Ilmu Kebidanan Penyakit kandungan dan KB*. Jakarta: EGC.
- Marcos, L. F. (2012). *Tobacco Production, Uses and Health Implications*. New York: Nova Science Publishers.
- Mardiati, S. M. (2008). Korelasi Jumlah Folikel Ovarium dengan Konsentrasi Hormon estrogen Mencit Setelah Konsumsi Harian Tepung kedelai selama 40 hari. *Buletin Anatomi dan Fisiologi*, Volume XVI, Nomor 2.
- Martin, P. P. (2010). ERK and cell Death. *FEBS Journal*, n0.277. pp.39-46.
- McGee EA, H. A. (2000). Initial and Cyclic Recruitment of Varian Fillicles. *Edocr Rev*, 21, 200-14.
- McGee, E., & Huesh, A. (2000). initial and cyclic recruitment of varian follicles. *Endocr Rev*, 21;200-14.
- Miwa S, M. r. (2008). *The Basic of Oxudative Biochemistry Oxidative Stress in Aging from Model System to Humaisease*. Humana Prss.
- Morin, L., & M, V. d. (2005). *Ultrasounf Evaluation of First Trimester Pregnancy Complications*. 161;581-585: SOGC Clinical Practice Guidelines.
- Mostafa, T. (2010). Cigarette Smoking and Male Infertility. *Journal of Advanced Research*, p.179-196.

- Multhoff . (2015). The Role of Heat Shock Protein 70 (HSP70) in radiation induced immunomodulation. *cancer Letters*, 179-184.
- Multhoff, G. (2007). Heat Shock Protein 70(HSP70); Membrane Location, export and Immunological relevance. *Methods. Methods*, 229-237.
- Myers RK, M. G. (2007). *Celluler and Tissue responses to injury. Di dalam : Mc Gavin MD, Zachary JF, editor. Pathologic Basic of Veterinary Disease. Fourth Edition. USA: Mosby Elsevier.*
- Nip. (1994). Expression of Heat Shock Protein HSP 70K dalton Human Endometrium of normal and Infertil Women. *Hum.reprod*, 9:1253-1256.
- Okada, Y. A. (2003). Evidence that GnRH II stimulates LH and FSH secretion from monkey pituitary cultures by activating the GnRH I receptor. *Biol.Reprod.* , 69 (4): 1356-1361.
- Otsuka, M. S. (2011). Integral Role og GDF-9 and BMP 15 in Ovarian Function. *Molecular Reproduction and Development*, 78;9-21.
- Oyeyipo, R. E. (2011). Effects of Nicotine on Sperm Characteristics and Fertility Profile in Adult Male Rats : A Possible Role of Cessation. *Journal of Reproduction and Infertility*, 12(3): 201–207.
- Ozkaya, S. M. (2008). Serum Malondialdehyde, Erythrocyte Glutation Peroxidase, and Erythrocyte Superoxide Dismutase Levels in Woman With Early Spontaneous Abortion Accomponied by Vaginalleeding. *Med Sci Monit*, 47-51.
- Pang, H. C. (2016). Activin A upregulates PTGS2 Expression and increase PGE2 Production in human Granulosa-lutein cells. *Reproduction*, 152: 655-664.
- Pangas, R. A. (2015). Follicular Development : Mouse,sheep, and Human Models. *Knobil and Neills Physiology of Reproduction. 4 ed. London:Elsevier Science*, pp.947-996.
- Paradis, N. D. (2009). Temporal Regulation of BMP 2, BMP 6, BMP 15, GDF9, BMPR1A, BMPR1B, BMPR2 and TGFBR1 mRNA expression in The oocyte, granulosa and Theca cells of developing preovulatory follicles in tehe pig. *Society for Reproduction and Fertility*, 138; 115-129.
- Parcellier, a. (2003). Heat Shock Protein, Cellular Chaperones That Modulate Mitichondrial Cell Death Pathway. *Biochemical and Biophysical Communications*, 505-512.
- Park Y, .. M. (2005). Induction of cylin D2 in rat granulosa cella requires FSH-dependent relief from FOXO1 represion coupled with positive signals feom Smad. *J Biol Chem* , 280:9135-9148.
- Persani, L., Rossetti, R., & Matzuk, M. (2014). The Fundamental role of bone morphogenetic protein 15 in ovarian function and involvement in female fertility disoorders. *Epub*.

- Pross S, F. H. (2005). Nicotine and immunity. Di dalam: Friedman H et al, editor. Infectious disease and substance abuse. Ed ke-1. *New York: Springer Science+Business* , 77-92.
- Rajpurkar, A., Dhabuwala, C., & H.Li, Y. J. (2002). Cigarette Smoking Induces Apoptosis in Rat Testis. *Journal Environ.Pathol.Toxicol.Oncol*, 21(3): 243-248.
- Raman, B. (2015). Small heat shock proteins: Role in cellular functions and pathology. *Biochimica et Biophysica Acta*, 291-319.
- Ranford, C. H. (2006). Chaperonins Are Cell-Signaling Proteins: The Unfolding Biology of Molecular Chaperones. *Expert Review in Molecular Medicine*, pp.1-16.
- Revel, A., Raanani, E., & Younglai, J. X. (2001). Resveratrol, a Natural aryl hydrocarbon receptor antagonist, Protect Sperm from DNA damage and Apoptosis Caused By Benzo(a) Pyrene. *Reproduct Toxicol*, 14:479-486.
- Reynertson, K. (2007). *Phytochemical Analisis Of Bioactive Constituents From Edible Myrtaceae Fruits, disertation*. The City University of New York: Faculty in Biology.
- Rosadi, B. M. (2011). Preservasi Ovarium Dan Pengaruhnya Terhadap Morfologi Folikel Domba. *Jurnal Veteriner*, 91-7.
- Rosen, C. (2011). Female Reproductive Endocrinology and Infertility. *Green Span's Basic & Clinical Endocrinology*, 423-477.
- Roupa, Z. M. (2009). Causes of infertility in women at reproductive age. *Indian J Med Researce*, 3(2) : 80-87.
- Rymski P, T. K., Pawel, R., & Opala, T. P. (2015). Impact of Heavy Metals On The Female Reproduction System. *Annals Of Agricultural And Environment Medicine*, 22(2):259.
- San'chez C, C. S. (2005). Motoneuronal Death During Spinal Cord Development is Mediated By Oxidative Stress. *Cell Death and Differentiation*, Vol 12, p. 279-291.
- Sanchez, S. V. (2016). Endometriosis as a detrimental condition for granulosa cell steroidogenesis and development: From Molecular alterations to clinical impact. *Journal of Steroid Biochemistry and Molecular Biology*, 155:35-46.
- Sanders, T. (2007). *Essentials of Anatomy and Physiology*. Jakarta: EGC, p 301-306.
- Sarwono, P. (2009). *ilmu Kebidanan*. Jakarta: Yayasan Bina Pustaka.
- Sayuti K, Y. R. (2015). *Antioksidan Alami dan Sintetik*. Padang: Andalas University Press.
- Schorge, J. (2008). *Follicular development, in ; schorge ,JO et al Williams Gynecology* . New York: Megraw-Hill Companies.
- Setiawati, R. (2017). *Pengaruh Pemberian Rebusan Daun dewandaru untuk menurunkan kadar MDA pada tikus jantan dipapar asap rokok*. Surabaya: Universitas AirLangga.

- Silver, J. N. (2012). *Regulation of Survival gene HSP70*. Cell Stress and Chaperone: 17(1), pp 1-9.
- Skipper A, S. J. (2016). Cadmium Chloride Induces DNA Damage and Apoptosis of Human Liver Carcinoma Cell via Oxidative Stress. *International Journal Environment Res Public Health*, vol 13, no 88, pp1-10.
- Smet, B. (2008). *Psikologi Kesehatan . Edisi Terjemahan*. Jakarta: Grasindo.
- Smitz JEJ, a. R. (2002). The earliest stages of folliculogenesis in vitro. *J Reproduction* , 123: 185 – 202.
- Sophie P., U. S. (2004). Spatio temporal expression of the germ cell marker genes MATER,ZAR1, GDF-9, BMP-15, and VASA in adult bovine tissues, oocytes, and preimplantation embryos. *science direct*, 71;1359-1366.
- Sperroff, F. a. (2011). Clinical Gynecologic Endrocrinology and Infertility. 8th. *Philadelphia : Lippincott Williams & Wilkins*, 579-83.
- Sugino N, N. M. (2000). Decreased Superoxide Dismutase Expresion and Increased Concentrations of Lipid Peroxide anf Prostaglandin F2 in Decidua of Failed Pregnancy. *Molecular Human Reproduction*, 642-647.
- Suh, S., & Camper, a. W. (2003). Regulation of the rat follicle-stimulating hormone β subunit promoter by activin. *Molecular Endocrinology*, 17(3):318-322.
- Suryandari, N. (2016). *Pengaruh Suplementasi Vitamin C terhadap Kadar Estrogen dalam Darah Mencit Betina yang Terpapar Asap Rokok*. Surabaya: Universitas Airlangga.
- Suryohudoyo. (2007). *Kapita selecta Ilmu Kedokteran Molekuler*. Jakarta: CV Sagung seto. P. 58-65.
- Suszko, S. S. (2003). Regulation of the rat follicle-stimulating hormone β subunit promoter by activin. *Molecular Endocrinology*, 17(3):318-322.
- Thomas. (2006). OOcyte-granulosa cell interactions during mouse follicular development: regulation of Kit Ligand expression and its role in oocyte growth. *Reproductive Biology and Endocrinology*, 4:19, ppl-8.
- Thomas, V. B. (2006). Oocyte-Granulosa Cell Interactions During Mouse Follicular Development: Regulation Kit Ligand Expression and Its Role in Oocyte Growth. *Reproductive Biology and Endocrinology*, 4:19,ppl 1-8.
- Tomic D, .. B. (2002). Smad 3 may regulate follicular growth in the mouse ovary. *Biol Reprod*, 66:917-923.
- Tomoko, Y. T. (2001). Alteration of Glutathione Reductase Expression in the Female Reproductive Organs During the Estrous Cycle. *Biology of Reproduction*, 1410–1416.,.

- Valvanalidis A, H. E. (2009). A Comparative Study By Electron Paramagnetic Resonance of Free Radicals Species in The Main Steam and Side Stream Smoke of Cigarettes with Conventional Accate Filters and Biofilters. *Medicine Journal*, 161-171.
- Vasilyev, V. V. (2002). Transcriptional activation of avine FSH- β gene by GnRH involves multiple signal transduction pathways. *Endocrinology* , 143(5):16511659.
- Vendity, B. M. (2007). Effect of Thyroid State on Lipid Peroxidation, Atioxidant Defences, and Susceptibility to Oxidative Stres in Rat Tissues. *Journal of Endocrinology*, Vol 155, No.1 p.151-157.
- Vern, K. (2007). *Comprehensive Gynecology*. 5th Edition 16 : 309-11: Mosby Elsevier.
- Vidyasti, S. (2018). *Pengaruh Suplemntasi Vitamin C Terhadap Jumlah Klenjar Endometrium Mencit Betina dipapar Asap Rokok*. Surabaya: Universitas Airlangga.
- Wahyuni, A. S. (2008). Kajian Kemampuan Jus Buah Tomat dalam Menghambat Peningkatan Kadar Malondialdehyde Plasma Setelah Latihan Aerobik Tipe High Impact. *Jurnal Kesehatan*, Vol 1, No.2, hal 123-132.
- Wasson GR, M. M. (2008). The Use of Comet Assay in The Study of Human Nutrition and Cancer. *Mutagenesis*, Vol 23, No 3, p.153-162.
- Weydert CJ, a. C. (2010). Measurement of Superoxide Dismutase, Catalase, And Glutathione Peroxidase In Cultured Cells And Tissue. *Net Protoc*, Vol 5, No.1, p.51-66.
- Weydert, C., & Cullen, J. (2010). Measurement of Superoxide Dismutase, Catalase, and Glutathione Peroxidase in Cultured Cells and Tissue. *Nat Protoc*, 5(1):51–66.
- Widjaja, S. W. (2009). Peran Heat Shock Protein terhadap resistensi insulin. *Majalah Kedokteran Indonesia*, 59(3), 121-128.
- Williams, C., & Erickson, G. (2008). *Morphology and Physiology of The Ovary*. Endotex.
- Wiweko, B. (2017). Distribution Of Stress Level Among Infertility Patients. *Middle East Fertility Society Journal*, 1-4.
- Wynn, T. (2007). Common and unique mechanisms regulate fibrosis in variaous fibroproliverative disease. *J Clin Invest*, pp.117.
- Xu, J. J. (2002). Stage-specific expression of Smad2 and Smad3 during folliculogenesis. . *Biology Reproduction*, 66:1571-1578.
- Yang, K. (2006). HSP90 Regulates Activation of Interferon Regulatory Factor 3 and TBK-1 Stabilization in sebday Virus-Infected Cells. *Molecular Biology of The Cell*, 1461-1471.
- Yardimci S., A. T. (1997). Long term effect of cigarette smoke exposure on plasma testosterone, LH, FSHin male rates. *Br J Urol*.

- Young, N. (2012). Inhibin removes the inhibitory effects of activin on steroids enzym expression and androgen production by normal ovarian thecal cell. *J Mol Endocrinol*, 48(1);49-60.
- Youssef, B. (2012). Extracellular superoxide dismutase protecs Histoplasma yeast cells from host-derived oxidative stress. *PLOS Pathog*, Vol.8, no.5, pp.102-113.
- Zeis, C. (2003). The Apoptotic-necrosis continuum : insights from genetically altered mice. *Veterinary Pathology*, vol.40. pp.481-495.
- Zelezik, A. (2004). The Physiology of Folicle Selection. *Biology and Endocrinology*, 2;31, 1-16.
- Ziech, D. R. (2011). Reactive Oxygen Species (ROS) – Induced Genetic and Epigenetic Alterations in Human Carcinogenesis. *Mutation Research*, 711: 167-173.
- Zulkarnain. (2010). Pengaruh Pemberian Monosodium Glutamat (MSG) pada Tikus Jantan terhadap FSH dan LH. *majalah Kedokteran Andalas*, Vol 34. no. 2 Juli-Desember 2010 Hal 160-166.