

DAFTAR PUSTAKA

- Abdollahi M, Ranjbar A, Shadnia S, Nikfar S, Rezaie A. 2004. Pesticides and Oxidative Stress. *Journal Med Sci Monit*
- Adiatmoko T, Subandi, Fitri LE. 2014. Uji Potensi Ekstrak Daun Zodia (*Evodia suaveolens*) sebagai Insektisida Nyamuk Culek sp. dengan Metode Elektrik. Laporan Penelitian. *Fakultas Kedokteran. Universitas Andalas*
- Akerfelt M, Eva H, Asta L, Annina V, Karoliina R, Noora K. 2008. Promoter Chip –Chip Analysis in Mouse Testis Reveals Y Chromosome occupancy By HSF 2. *The National Academy of Sciences of the USA*. Volume 105: 11224 -1122
- Andhyantoro dan Kumala. 2012. *Kesehatan Reproduksi*. Jakarta: Salemba Medika
- Aryani R, Kurniati R, Wati L. 2012. Pengaruh pemaparan pralahir obat nyamuk elektrik yang berbahan aktif d-allethrin terhadap sel darah mencit (*Mus musculus* L). *Mulawarman Scientitifie*:175
- Atessahim A, S Yihnaz, I Karahan, I Pirincci, B Tasdemir. 2005. The Effects of Vitamin E and Selenium on Cypermethrin Induced Oxidative Stress in Rats. *Tukey Jurnal Veteriner Animal Science* Vol.29:385-391
- Baehaki. 1993. *Insektisida Pengendalian Hama Tanaman*. Bandung: Angkasa Bahasa : Brahm, U Pandit. Penerbit Buku Kedokteran EGC, Jakarta
- Bettegowda A dan Wilkinson FW. 2010. Transcription and post- transcriptional regulation of spermatogenesis. *Philos Trans R Soc Lond B Biol Sci* :1637-1651 Brahm, U Pandit. Jakarta: Penerbit Buku Kedokteran EGC
- Bio –Rad. 2000. bioRad SsoFast EvaGreen Supermix
- Christijanti W, Utami NR, Isara A. 2010. Efek pemberian antioksidan vitamin C dan E terhadap kualitas spermatozoa tikus putih terpapar *allethrin*. *Biosaintika* 2 (2):18 -26
- Dai X, Schonbaum C, Degenstein L, Bai W, Mahowald A, Fuchs E. 1998. The ovo gene required for cuticle formation and oogenesis in flies is involved in hair formation and spermatogenesis in mice. *Genes Dev*:3452-3463
- Ecobichon DJ. 1996. Mechanisms of Pesticide Toxicity. In Ruchirawat M and Shank RC *Environmental Toxicology*. Volume 3. Bangkok: Chulaborn Research Institute, International Center for Environmental and Industrial Toxicology

- Environmental Protection Agency (EPA). 2007. Reregistration Eligibility decision for allethrin . Prevention, Pesticides and Toxic Substance: Case No.0437
- Fauzan. 2007. Semua Obat Anti Nyamuk Berbahaya. [Http://cybermed.cbn.net.id](http://cybermed.cbn.net.id)
Diakses 8 Maret 2018
- Ferial EW. 2013. *Biologi Reproduksi*. Jakarta: Erlangga
- Ffrench C, RH Philip J D dan Gaelle LG. 2004. The genetics and genomics of insecticide resistance. *Trends in Genetics*. Vol 20 No.3.p.163-170.
- Fiorenza MT, Farkas T, Dissing M, Kolding D, Zimarino V. 1995. Complex expression of murine heat shock transcription factors. *Nucleic Acid Res* 23:467-474. <http://dx.doi.org/10.1002/jcb.21806>
- Fishelson L, Gon OHV, Delarea Y. 2007. "Comparative Spermatogenesis, Spermatocytogenesis and Spermatozeugmata formation in male of viviparous species of clinid fishes (Teleostei : Clinidae, Blennioidei)". *The Anatomical Record : Advances in Integrative Anatomy and Evolutionary Biology* 290(3):311-23. doi :10.1002/ar.20412
- Ganong WF. 2001. Review of Medical Physiology. Alih Bahasa Brahm U. Pendit. Jakarta: Penerbit Buku Kedokteran EGC
- Greenspan FS dan John DB. 1998. *Endokrinologi Dasar & Klinik*. Jakarta: EGC
- Guyton AC dan John EH. 2007. *Fisiologi Kedokteran (Textbook of Medical Physiology)*. Jakarta: EGC
- Hara E, Yamaguchi T, Nojima H, Ide T, Campisi J, Okayama H, Oda K. 1995. Id related genes encoding helix loop proteins are required for G1 progression and are repressed in senescent human fibroblasts. *J Biol Chem*. 269 (3):2139-45
- Hasjim H, 2013. *Buku Ajar Biologi Medik*. Jakarta: EGC
- Haskas Y dan Suarnianati, 2016. *Buku Sistem Respirasi*. Yogyakarta : Indomedia Pustaka
- Infertilitas KP. 2013. *Infertilitas. Himpunan Reproduksi dan Fertilitas Indonesia & Perhimpunan Fertilitas In Vitro Indonesia*
- Iwanicka BN, Borzecki A, Jedrych BJ. 2015. Effect of subacute poisoning with bifenthrin on locomotor activity, memory retention, hematological, biochemical dan histopathological parameters in mice. *Journal of Physiology and Pharmacology* 66 (1);129-137
- Jawi IM, DN Suprapta, IWP Sutirtayasa. 2007. efek Antioksidan Ekstrak Umbi Jalar Ungu Terhadap Hati Setelah Aktivitas Fisik Maksimal Dengan

Melihat Kadar ALT dan AST pada Darah mencit. *Dexa Media* No.3 Vol.20 (103 -106)

Kallio, M. *et al.* 2002. Brain abnormalities, defective meiotic chromosome synapsis and female subfertility in Hsf2 null mice. *EMBO* : 2591-2601

Kementrian Kesehatan RI. 2013. Laporan Hasil Riskesdas Indonesia Tahun 2013. Jakarta: *Badan Penelitian dan Pengembangan*

Kevin D Sarge, Ok –Kyong Park Sarge, John D Kirby, Kelly E Mayo dan Richard I Morimoto. 1994. Expression of Heat Shock Factor 2 in Mouse testis Potential Role as a Regulator of Heat Shock Protein Gene Expression during Spermatogenesis. *Evanston* :Department of Biochemistry

Kumar V, Abbas AK, Aster JC.2015. Buku ajar Patologi Robbins. Singapura: Elsevier Saunders

Kurniawan N. 2016. Pengaruh Paparan Secara Inhalasi Obat Antinyamuk yang Mengandung Piretroid Terhadap Gambaran Histopatologi Korteks Serebrum Otak pada Tikus. *Skripsi*. Universitas Andalas

Lante S. 2010. Analisis Keragaman Genetik Populasi Ikan Baronang (*Siganus guttatus*) di Selat Makassar dan Teluk Bone . Tesis.Program Pasca Sarjana Universitas Hasanuddin Makassar

Lie B, Mahalakshmi N, Douglas RM, Virginia B, Ming H, Magid F, Hangiu S, Qian D, Paula EC and Xing D . 2005. Ovol regulates meiotic pachytene progression during spermatogenesis by repressing id2 expression. *Development* 132: 1463-1473

Lu FC.1996.Toksikologi Dasar Asas, Organ Sasaran dan Penilaian Risiko edisi kedua. Jakarta:UIP

Madhubabu G dan Yenugu S. 2016. Allethrin toxicity causes reproductive dysfunction in male rats. *Research Artichel Wiley Environmental Toxicology*. Wiley Periodicals, Inc.

Mark D B, Allan DM, Colleen MS. 2000. *Biokimia Kedokteran Dasar*. Jakarta :EGC

Martins AJ, RMM de Andrade, JGB Linss, AA Peixoto and D Valle.2009. Voltage Gated Sodium Channel Polymorphism and Metabolic Resistance in Pyrethroid –Resistant *Aedes Aegypti* From Brazil. *J.Trop Med Hyg*81 (1):108 -15

Marzuki M I. 2009. Daya Bunuh Beberapa Obat Nyamuk Bakar Terhadap Kematian Nyamuk *Anopheles aconitus*.Skripsi Fakultas Farmasi Universitas Muhamadiyah Surakarta

Masoumi SZ, Poorolajal J dan Keramat A. 2013. Prevalence of Depression among Infertile Couples in Iran: *A Meta- Analysis Study*,42(5),458-466

- Naim F, Windi TK, Khoironni DM. 2016. Jumlah dan Motilitas Spermatozoa Tikus Putih (*Rattus Norvergicus*) yang Dipaparkan Obat Nyamuk Elektrik Berbahan Aktif *D- Allethrin*. Semarang. Saintek
- Narendra M, Kavitha G, Padmavathi P, Kiranmai H, Varadacharyulu NC. 2008. Allethrin induced biochemical changes and properties of human erythrocyte membrane. India. African Journal Of Biochemistry Research
- Nelson dan Randy F. 2005. An introduction to behavioral endocrinology. Sunderland, Mass: Sinauer Associates .p.143. ISBN 0- 87893-617-3.
- Ogg CL dan Schulze LD. 2006. Managing the risk of pesticide poisoning and understanding the sign and symptoms. Unites States of America: *The board of regents of the university of Nebraska on behalf of the University of Nebraska Lincoln extension Oxidative stress: a review. Med Sci Monit* 10 (6):141-147
- Panloup PM, Chretien MF, Savagner F, Vasseur C, Jean M, Malthiery Y, Reynier P. 2003. Increased sperm mitochondrial DNA content in male infertility. *Hum Reprod*
- Panut. 2008. Teknik Aplikasi Pestisida Pertanian Edisi Revisi. Kanisius. Yogyakarta
- Reed WL, Clark ME, Parker PG, Raouf SA, Arguedas N, Monk DS, Snajdr E, Nolan V, Ketterson ED (May 2006). "Physiological effects on demography: a long-term experimental study of testosterone's effects on fitness". *Am. Nat.* 167 (5): 667 -83. doi10.1086/503054. PMID 16671011. Lay summary –Science Daily
- Rehman H, Aziz AT, Saggi S, Abbas ZK, Mohan A, Ansari AA. 2014. Systemic review on pyrethroid toxicity with special reference to deltamethrin. *Journal of entomology and zoology* 2 (6): 60-70
- Safar R. 2010. Insektisida dan Resistensi Buku Parasitologi Kedokteran. Bandung: Yrama Widya
- Sahabuddin .2014. Studi Morfometrik, Meristik dan Variasi Genetik Ikan Baronang di Perairan Teluk Bone dan Selat Makassar. Tesis .program Pascasarjana Univesrsitas Hasannudin Makassar.
- Saillefait AM, Ndiaye D, Sabate JP. 2015. Pyrethroid: exposure and healt effects- an update. *International Journal of Hygiene and Environmental Health* 218:281-292
- Sakr SA dan Azab AE. 2001. Effect of Phyrethroid Inhalation on the Testis of Albino Rat. *Pakistan Journal of Biological Sciences*. Volume 4 Nomor 4 hal 498 -500

- Sarge K D, Zimarino V, Holm K, Wu C ,Morimoto R I.1991. Cloning and characterization of two mouse heat shock factors with distinct inducible and constitutive DNA- binding ability. *Gene Dev* (5)1902-1911
- Sarge KD, Park- Sarge O K, Kirby JD, Mayo KE, Morimoto RI.1994. Expression of heat shock factor 2 in mouse testis :Potential role as a regulator of heat-shock protein gene expression during spermatogenesis. *Biol Reprod* (50)1334 -1343
- Sherwood L, 2001. *Human Physiology: From Cell To System*. Alih Bahasa: Brahm, Upandit. Penerbit Buku Kedokteran EGC, Jakarta
- Shu YZ, Yuki I, Osamu Y, Yukie Y, Miya K, Kazuyoshi T, Chun M L, Maiko M, Jun U, Chul H L, Michihiro K, Tamie N.2007. Permethrin May Disrupt Testosterone Biosynthesis via Mitochondrial Membrane Damage of Leydig Cells In Adult Male Mouse . *Journal The endocrine Society* (3); 3941 - 3949
- Sikder HA, Meghann KD, Sharif D, Byungwoo R , Rhoda M.2003. Protein Id dalam pertumbuhan Sel dan Tumorigenesis. Maryland: Johns Hopkins University School of Medicine
- Singh H, Navneet K, Raghvendra S, Punita M, Archana R & Rakesh KD.2016. An experimental study to demonstrate the extents of reversible changes after withdrawal of allethrin based mosquito coil smoke exposure along with the possible protective role of vitamin C on induced testicular changes in male wistar Albino rats. *International Journal of Innovative Research in Medical Science (IJIRMS)*. Volume 01 Issue 05
- Soderlund DM and DC Knipple. 2003. The Molecular Biology of Knockdown Resistance to Pyrethroid Insecticides. *Insect Biochemistry and Molecular Biology* 33:563-57
- Soemirat J dan Herto DA. 2015. Toksikologi Lingkungan .Yogyakarta : Gajah Mada University Press
- Song N, Liu J, An S, Nishino T, Hishikawa Y, Koji T.2011. "Immunohistochemical Analysis of Histone H3 Modifications in Germ Cells during Mouse Spermatogenesis". *Acta Histochemica et Cytochemica* 44 (4):183-90.doi: 10.1267/ahc.11027.PMC 3168764. PMID 21927517
- Srivastava A, Mithilesh K , Rajendra BR. 2005. Ninety- day Toxicity and One-Generation Reproducti Studi In Rats Exposed To Allethrin Based Liquid Mosquito Repellent. *The Journal of Toxicological Science*. Vol 31 No 1
- Stine KE dan Thomas MB.2006. Principles Of Toxicology Second Edition. London:Taylor & Francis Group
- Sunaryo, Astuti P, Widiastuti D. 2015 . Gambaran pemakaian insektisida rumah tangga di daerah endemis DBD Kabupaten Grobogan tahun 2013. *BALAB* 11 (1): 9-14

- Trisnawelda K, Eti Yerizel, Lili Irawati. 2017. Pengaruh Lama Pemaparan Obat Antinyamuk Elektrik-mat Berbahan Aktif Allethrin Terhadap Aktivitas Katalase Tikus. *Jurnal Kesehatan Andalas* 6: 55-60
- Triwani. 2013. Faktor Genetik Sebagai Salah Penyebab Infertilitas Pria. Palembang: *Fakultas Kedokteran Universitas Sriwijaya*
- Upa FT, Saroyo dan Deidy YK. 2017. Komposisi Pakan Tikus Ekor Putih (*Maxomys hellwandi*) dikandang. *Jurnal Ilmial Sains*. Vol.17.No.1
- Venkatesh S, Deccaraman M, Kumar R, Shamsi MB, Dada R. 2009. Role of reactive oxygen species in the pathogenesis of mitochondrial DNA (Mt DNA) mutation in male infertility, *Indian J Med Res* 2009;129:127 -37.
- Wahyuningsih, S . 2009. Pengaruh Vitamin C dan E Terhadap Jumlah Erytrosit dan Kadar Hemoglobin Darah Tikus Putih Yang Dijejas Antinyamuk Elektrik. Semarang: *Fakultas MIPA Universitas Negeri Semarang*
- WHO (*World Health Organization*). 2005. Environmental Health Criteria for Allethrins. www.inchem.org. Diakses pada 2 Maret 2018
- WHO. 2012. Global Prevalence of Infertility, Infecundity and Childlessness. Diakses pada 3 Maret 2018
- Widiarti, Boewono DT, Garjito TA, Tunjungsari R, Asih PBS dan Syafruddin D. 2011. Identifikasi Mutasi Noktah Pada "Gen Voltage Gated Sodium Channel " *Aedes aegypti* Resisten Terhadap Insektisida Pyrethroid di Semarang Jawa Tengah. Semarang. Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit Salatiga
- Wudianto R. 2007. *Petunjuk penggunaan pestisida*. Jakarta: Penerbit Penebar Swadaya
- Wulan dan Dicky A. 2015. Perilaku penggunaan insektisida pada rumah tangga di tiga kabupaten / kota provinsi sulawesi selatan(5):149-154
- Yatim W. 1992. *Biologi Sel*. Bandung : Tarsito
- Yuwono T, 2012. *Biologi Molekuler*. Jakarta: Erlangga
- Zhang, shu-yun, Ito, Yuki, Yamanoshita, Osamu et al 2007. Permethrin May Disrupt Testosterone Biosynthesis via Mitochondrial Membrane Damage of Leydig Cells in Adult Male Mouse, *Journal Endocrine Society*, 148: 3941-394