

- Adam M. D., Celniker, S. E., Hult, R. A., Evans, C. A., Gocayne, J. D., Amanatides, P. G. 2000. The Genome Sequences of *Drosophila melanogaster*. *Science*. 287(546); 2185-2195.
- Aguila, J. R., Suzko, J., Gibbs, A. G., and Hoshizaki, D. K. 2007. The role of larval fat cell in adult *Drosophila melanogaster*. *Journal of Experimental Biology*. 210 (10) : 956-963.
- Alwandri, H. 2018. *Pengaruh Radiasi Sinar Ultraviolet terhadap Sintasan Lalat buah (*Drosophila melanogaster*) dan Perubahan Organ Reproduksi*. Yogyakarta: Sripsi UGM.
- Bassam, N.E.I. 2010. *Handbook of Bioenergy Crops : A Complete Reference to Species, Development and Applications*. Eatrscan. London. P. 124.
- Bierben, E., Sahiner, U. M., Sackesen C., Erzurum , S., and Kalayci, O. 2012. Oxidative Sress and Antioxidant Defense. *World Allergy Organization Journal*. 5(1): 9-19.
- Buchan, N., Silverman, N., Cherry, S. 2014. Immunity in *Drosophila melanogaster* from Microbial Recognition to Whole Organism Physiology. *Nat. Rev Immunol*. 14(796); 1038.
- Buckle, K. A. R. A. Edward, G. H. Fleet, dan M Wooton. 1987. Ilmu Pangan. Penerjemah; Purnomo, Hari dan Adiono. Jakarta. UI. Press. Terjemahan dari : *Food Science*. Hal 365.
- Butterworth F.M., Emerson L, and Rasch E. M. 1998. Maturation anddegeneration of the fat body in the *Drosophila* larvae and pupa as revealed by morphometry analysis. *Tissue Cell*. 20 : 255-268.
- Cahyonugroho O. H. 2002. Pengaruh Intensitas Sinar Ultra Violet dan Pengadukan. *Jurnal Ilmiah Teknik Lingkungan*. 2(1); 18-23.
- Cahyono, B. 2009. *Pisang Usaha dan Penanganan Pascapanen*. Kanisius. Yogyakarta. P. 14; 16.
- Chien, S., Reiter, L. T., Bier, E., Gribskov, M. 2002. Hemophilia : Human Disease Gene Cognates in *Drosophila*. *Nucleic Acid press*. 30(1); 149-151.
- Church, R. B. And Robertson, F.W. 1966. Biochemical analysis og geneticdifferences in the growth of *Drosophila*. *Genet. Res*. 7: 383-407.

Chyb, S., and Gompel, N. 2013. Atlas of *Drosophila* Morphology : Wild-type and Classical Mutants. Elsevier London Pp. 2-4.

Cockell. C. S., and Blaustein, A.R. 2001. *Ecosystems Evolution and Ultraviolet Radiation*. Springer New York. P 1.

Curtsinger J. W. And M.W. Feldman. 1980. Experimental and theoretical analysis of the sex ratio polymorphism in *Drosophila pseudoobscura*. *Genetics*. 94 : 455-466.

Czeizel A. , AM Kelleler, J Linieeki, K Sankanarayanan, G Silini and FD Sowby. 1992. Genetic and Somatic Effect of Ionizing Radiation. United Nations Scientific Committe on the Effect of Atomic Radiation. Pp 8-40.

Daniel, S., Jorje, O., Marcela, L., Francisco, N., Sylvain, M., Nelson, O., & Juan, P, H., 2013. The vitamin C transporter SVCT2 is down regulated during postnatal development of slow skeletal muscles. *Histochemistry and cell Biology*, 139(6).

Demerec., M. 1950. *Biology of Drosophila*, New York : John Wiley& Sons.

Djuanda S. R. S., Noianto E., Boedardjo S.A., Jusma S.W., 2012. Peran Stres Oksidatif pada Penuaan Kulit secara Intrinsik. *MDVI*. 39(3); 127-133.

Egna, H.S. and Boyd, C. E. 1997. *Dynamics of Pond Aquaculture*. CRC Press. Boca Raton. P. 234.

Ellong, E. N., Billard, C., Adenet, S., dan Rochefort, K. 2015. *Polyphenols, Carotenoids, Vitamin C Content in Tropical Fruits and Vegetables and Impact of Processing Methods*.

Elnord Erickson, M., Meister, M., Ferrandon, D. 2003. Interaction Between the Cellular and Humoral Immune responses in *Drosophila*. *Curr BIOL*. 10(13) : 781-784

Enviromental Science Activities for the 21st century. ([http ://esa21.Kennesaw.edu/activities/strasphericozone/stratosperic](http://esa21.Kennesaw.edu/activities/strasphericozone/stratosperic). Pdf. Diakses 28 Agustus 2019.

Febrianti, N. & Y.A. Ardiansyah. 2013. Pengaruh Jus Buah Jambu Biji Merah terhadap Struktur Histopatologi Tubulus Seminiferus Mencit. Prosiding Seminar Nasional Biologi UNY.

Febrianti, N.&Ariyana, A.I.P. 2014. Effect of *Carica Papaya* (Caricaceae) Fruit Juice on the Histopatologycal Image of Mice (*Mus musculus*) Testis Strain Swiss Exposed to Cigarette Smoke, Proceeding Internasional Conference on Green World in

- Goldstein Lawrence S.B., Fyrberg Eric A. 1994. *Drosophila melanogaster Practical uses in cell and Molecular Biology*. Amerika. Academic Press. Pp. 546-550.
- Gong., X. 2009. Mutagenic of UV Exposure on Metabolic Activity of Fruit Flies (*Drosophila melanogaster*). Departemen of Biological Sciences Saddleback College. P. 1.
- Hales, K.G., Korey, C.A., Larracuenta, A.M. and Roberts, D.M. Genetics on the Fly : A Primer on the *Drosophila* model System. Genetics. 201(3): 815-842.
- Halliwell B., Gutteridge JMC. 2007. Free Radicals in BIOlogy and Medicine Edisi ke 4. Wiltshire : Oxford University Press Pp 30 - 78.
- Hodson, A. C., dan Chiang, H.C. 1948. An Analytical Study of Population Growth in *Drosophila melanogaster*. *Scientific Journal Series*, 30(3): 176 -177.
- Hoffman K.H. 1995. *Oogenesis and the female reproductive system*. Boca Raton : CRC Press. 1-32.
- Hoffmann, J. A. 2003. The immune Response of *Drosophila*. Nature. 426(3) : 1038-2021.
- ITIS. 2019. *Carica papaya*. www.itis.gov. Diakses 27 Agustus 2019.
- ITIS. 2019. *Drosophila melanogaster*. www.itis.gov .diakses 27 Agustus 2019.
- ITIS. 2019. *Musa acuminata*. www.itis.gov . diakses pada 27 Agustus 2019.
- Kalie M. B. 2008. *Bertanam Pepaya*. Bogor. Penebar Swadaya IKAPI. Hal 10-11
- Newport George. 1839. *Insect*. London. Cyclopedia of Anatomy and Physiology. P.4.
- Kirkinezoz IG. Moraes CT. 2001. Reactive Oxygen Species and Mitochondrial Disease. *Cell Develop Biol*. 12; 57- 449.
- Lemaitre, B., & Hoffmann, J. 2007. The Host Defense of *Drosophila melanogaster*. *Annu Rev Immunol*. 25(1). 697-749.
- Lieberman M, Marks A Marks. 2009. *Basic Medical Biochemistry ; A Clinical Approach Edisi 3*. Philadelphia : Lippincott. Pp 63; 443.

Maajid, L.A., Sunarmi, dan Kirwanto, A. 2018. Pengaruh Lama Penyimpanan terhadap Kadar Vitamin C Buah Apel (*Malus sylvestris* Mill). *Jurnal Kebidanan dan Kesehatan Tradisional*. 3(2): 57-106.

Markow, T.A., L.K. Reed, dan E.S. Kelleher. 2007. Sperm fate and function in reproductive isolation in *Drosophila*. *Soc. Reprod. Fertil Suppl*. 65:155-173.

McClung, C.E. 1902. The accessory chromosome: seks determinan. *Biological Bulletin*. 3: (43-84).

Meier, P., Finch, A., Evan G. 2000. Apoptosis in Development. *Nature*. 407. 796.

NCI. 2019. *NCI Dictionary of Cancer Terms*. www.cancer.gov. Diakses terakhir pada tanggal 9 Oktober 2019.

Nainu, F., 2018. Application of *Drosophila melanogaster* as Model Organism in Drug Discovery. *Jurnal Farmasi galenika*. 4(1) ; 50-67.

Nishant, Sheela, M., Prashed, K., and Satheesh Kumar. 2011. Correlative Study between UV Irradiance and TOC Using AURA OMI at Kannur (12.3 N, 75 4E) *Atmospheric Acid and Climate Sciences*. 1; 55-60.

Padayatty, S.J., Daruwala, R. Wang Y., Eck, P.K. song, J. Koh, W.S., and Levine, M. 2002. Vitamin C. From Molecular Actions to Optimim Intake, In : Cadenas, E dan L. Packer. *Handbook of Antioxidant* . Marcell Dekker. Inc; New York.

Panchal, K., Tiwari, A.K. 2017. *Drosophila melanogaster* A Potential Model Organism for Identification of Pharmacological Properties of Plant/ Plant derived Component. *Biomed Pharmacother*. 89; 1331-1345.

Pandey, U. B., Nicholes, C. D., 2011. Human Disease Models in *Drosophila melanogaster* and the Role of the Fly in Therapeutic Drug Discovery. *Pharmacol*. 63(2); 411-436.

Parsons, B., & Foley, E. 2016. Cellular Immune Defenses of *Drosophila melanogaster*. *Dev. Comp Immunol*. 58 : 95-101.

Perveen F.K., 2018. *Drosophila melanogaster* Model for Recent Advances in Genetics and Therapeutics. Croatia ; National and University Library in Zagreb. P7.

Precht, H. Christophersen, J. Hensel, H and Larcher W. 1973. *Temperatur and Life*. Springer – Verlag Berlin. P. 382.

Price, P. W. 1997. *Insect Ecology*. John Wiley & Sons, Inc., New York. p784.

Putri M. G. T., Wijaya L., Sasmita P.K., 2015. Melatonin as an Anti Ultraviolet Rays Induced Skin Aging. *Damianus Journal of medicine*. 14(1); 67-69.

Raff, E.C. 1984. Genetics of microtubule system. *J.Cell Biol.* 99:1-10.

Rahman, K. 2007. Studies on free radicals antioxidant and co-factors. Clinical interventions in aging. 2(2) . pp. 219-36.

Rahmawati, N. A. 2019. Pengaruh Radiasi EMF Handphone terhadap Sintasan Lalat buah (*Drosophila melanogaster* Meigen, 18830) dan perubahan morfologi organ reproduksinya. Yogyakarta : Skripsi UGM.

Ramadhan, E., Sudarsono. 2013. Radiasi Arrest of 2,2 – diphenyl – 1 pycryl hydrazyl (DPPH) in Ripe and Raw Papaya Fruit (*Carica papaya* L.). *Traditional Medicine Journal*. 18(3) : 167-172.

Redei, G.P. 1999. *Genetics Manual : Current Theory, Concepts, Terms*. London: World Scientific.

Reiter, L. T. 2005. *Drosophila as a Model for Human Diseases els. Vol 1*; Wiley- Blackwell.

Riddiford, L.M. 1993. *Hormones and Drosophila development. In The Development of Drosophila*. Vol. 2 (ed. Bate, M. And Arias, A. M.). Spring Harbor LABORATORY Press. New York. Pp. 899-939.

Rizqiyah, M. 2019. Pengaruh Pemberian Ekstrak Buah Apel Fuji terhadap Sintasan Lalat Buah (*Drosophila melanogaster* Meigen, 1830) dan Perubahan Morfologi Organ Reproduksi Setelah Radiasi Sinar Ultraviolet. Yogyakarta: Skripsi UGM.

Royet, J., Meister, M., Ferrandon, D. 2003. Humoral and Cellular Responses in *Drosophila* Innate Immunity In R. A. B. *Innate Immunity*. Totuwa : Humana Press Pp 137-153.

Rukmana H.R., 2012. *Seri Budi Daya : Pepaya*. Yogyakarta; Kanisius hal 18-20.

Sofyan R., Sumpena Y., Syarif R., Adiyati I., 2007. Genetic Effect of Gamma Irradiation on Male Fruit Fly (*Drosophila melanogaster* Meig). 8(4); 263-269.

Seregeg, GW. 2005. Pengaruh Suhu Lingkungan Tropis terhadap Penentuan Jenis Kelamin *Drosophila*. *Berk. Penel.Hayati*. 11(1): 55-59.

Setyawati H., dan M. A. Mustofa. 2018. Analisis Kadar Vitamin C Kelopak Rosella (*Hibiscus sabdariffa* L.) Muda. *Jurnal Ilmiah Biologi*. 5 (2): 100-111.

Sinnot EW, Dunn LC, dan Dobzhansky, 1958. *Principles of Genetics*, McGraw-Hill, New York. 303-314.

Stickberger MW, 1990. *Genetic*. Macmilan. New York. 19: 222, 164-165.

Sturtevantr AH, 1945. Agene in Drpsophila melanogaster that transforms females into males. *Genetics* 30:297–299.

Takemori, N. dan M., Yammamoto. 2009. Proteome mapping of the drosophila melanogaster male reproductive syatem. *Proteomics*. 9: 2484-2493.

Ugur, B., Chen K., and Bellen, H.J. 2016. *Drosophila* Tool and Assays for the Study of Human Diseases. *Dis. Model Mech*. 9(3); 235-244.

United States Environmental Protection Agency (EPA, <http://www.epa.gov/sunwise/doc/UV> radiation. Html.2009. Diakses tanggal 28 Agustus 2019.

USEPA, 1999, *EPA Guidance Manual Alternative Disinfectant and Oxidants*. Center for Environmental Research Information, Cincinati, OH. Pp 2;8.

Wangler, M. F., and Bellen, H. J. 2017. *In Vivo Animal Modelling; Drosophila* in F.Y.L. Saldanha & M. Jalali (Eds). *Basic Science Method for Clinical Researcher*. Boston Academic Press. Pp. 211-234.

Zamore, P.D., and Ma, S. 2011. Isolation of *Drosophila melanogaster* Testes. *J. Vis Exp*. (51): 2641.

Zheng W., and Wang, S.Y., 2009. Antioxidant Activity and Phenolic Compounds in Selected Herbs. *J. Agic. Food Chem.*, 49(11): 5165.