

## DAFTAR PUSTAKA

- Alamsyah, F., I.N.Ajrina, F.N.A. Dewi, D.Iskandriati, S.A.Prabandari, W.P.Taruno. 2015. Antiproliferative Effect of Electric Fields on Breast Tumor Cells In Vitro and In Vivo. *Indonesian Journal of Cancer Chemoprevention*, 6(3): 71-77
- Agca, C. A. *et al.* (2012) 'Lycopene counteracts the hepatic response to 7,12-dimethylbenz[a]anthracene by altering the expression of Bax, Bcl-2, caspases, and oxidative stress biomarkers', *Pharmaceutical Biology*, 50(12), pp. 1513–1518. doi: 10.3109/13880209.2012.688057.
- Al-Mahmood, S. M. *et al.* (2016) 'A comprehensive study of chronic diabetes complications in streptozotocin-induced diabetic rat', *Makara Journal of Health Research*, 20(2), pp. 48–56. doi: 10.7454/msk.v20i2.5889.
- Arora, R. *et al.* (2014) 'Hepatic dysfunction induced by 7, 12- Dimethylbenz( $\alpha$ )anthracene and its obviation with erucin using enzymatic and histological changes as indicators', *PLoS ONE*, 9(11), pp. 1–12. doi: 10.1371/journal.pone.0112614.
- Azide, S. and Free, T. (2000) 'Starr Trek Universal HRP Detection System Starr Trek Universal HRP Detection System Sodium Azide and Thimerosal Free', pp. 1–2.
- Beaudouin, J. *et al.* (2013) 'Caspase-8 cleaves its substrates from the plasma membrane upon CD95-induced apoptosis', *Cell Death and Differentiation*, 20(4), pp. 599–610. doi: 10.1038/cdd.2012.156.
- Beebe, S., Sain, N. and Ren, W. (2013) 'Induction of Cell Death Mechanisms and Apoptosis by Nanosecond Pulsed Electric Fields (nsPEFs)', *Cells*, 2(1), pp. 136–162. doi: 10.3390/cells2010136.
- Boege, Y. *et al.* (2017) 'A Dual Role of Caspase-8 in Triggering and Sensing Proliferation-Associated DNA Damage, a Key Determinant of Liver Cancer Development', *Cancer Cell*, 32(3), pp. 342-359.e10. doi: 10.1016/j.ccell.2017.08.010.
- Das C, Lucia MS, H. K. and T. J. (2017) '乳鼠心肌提取 HHS Public Access', *Physiology & behavior*, 176(3), pp. 139–148. doi: 10.1016/j.physbeh.2017.03.040.
- Chatrabhuji, P. M. *et al.* (2010) 'Research Journal of Pharmaceutical , Biological and Chemical', *Science*, 1(3), pp. 451–455.
- Duarte, R. *et al.* (2016) 'Adipose tissue and liver in DMBA experimental intoxication', 8(1), pp. 59–66.
- Faitova, J. *et al.* (2006) 'Endoplasmic reticulum stress and apoptosis', *Cellular and Molecular Biology Letters*, 11(4), pp. 488–505. doi: 10.2478/s11658-006-0040-4.
- Ferramosca, A. *et al.* (2014) 'Modulation of hepatic steatosis by dietary fatty acids', 20(7), pp. 1746–1755. doi: 10.3748/wjg.v20.i7.1746.
- Fitriatuzzakiyyah, N., Sinuraya, R. K. and Puspitasari, I. M. (2017) 'Cancer Therapy with Radiation: The Basic Concept of Radiotherapy and Its Development in Indonesia', *Indonesian Journal of Clinical Pharmacy*, 6(4), pp. 311–320. doi: 10.15416/ijcp.2017.6.4.311.
- Ghavami, S. *et al.* (2009) 'Apoptosis and cancer: Mutations within caspase genes', *Journal of Medical Genetics*, 46(8), pp. 497–510. doi: 10.1136/jmg.2009.066944.
- Grossi, M. R. *et al.* (2012) 'A comparative study of the anticlastogenic effects of chlorophyllin on N-methyl-N'-nitro-N-nitrosoguanidine (MNNG) or 7,12-dimethylbenz( $\alpha$ ) anthracene (DMBA) induced micronuclei in mammalian cells in vitro and in vivo', *Toxicology Letters*, 214(3), pp. 235–242. doi: 10.1016/j.toxlet.2012.08.023.

- Han, J. *et al.* (2013) 'β-Catenin-dependent lysosomal targeting of internalized tumor necrosis factor-α suppresses caspase-8 activation in apoptosis-resistant colon cancer cells', *Molecular Biology of the Cell*, 24(4), pp. 465–473. doi: 10.1091/mbc.E12-09-0662.
- Heffelfinger, S. C. *et al.* (2000) 'DMBA-induced mammary pathologies are angiogenic in vivo and in vitro', *Laboratory Investigation*, 80(4), pp. 485–492. doi: 10.1038/labinvest.3780054.
- Hottinger, A. F., Pacheco, P. and Stupp, R. (2016) 'Tumor treating fields: A novel treatment modality and its use in brain tumors', *Neuro-Oncology*, 18(10), pp. 1338–1349. doi: 10.1093/neuonc/now182.
- Kadir, L. A., Stacey, M. and Barrett-Jolley, R. (2018) 'Emerging roles of the membrane potential: Action beyond the action potential', *Frontiers in Physiology*, 9(NOV), pp. 1–10. doi: 10.3389/fphys.2018.01661.
- Kelsey C. Martin Mhatre V. Ho, J.-A. L. (2012) '基因的改变 NIH Public Access', *Bone*, 23(1), pp. 1–7. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3624763/pdf/nihms412728.pdf>
- Kerdelhué, B., Forest, C. and Coumoul, X. (2016) 'Dimethyl-Benz(a)anthracene: A mammary carcinogen and a neuroendocrine disruptor', *Biochimie Open*, 3, pp. 49–55. doi: 10.1016/j.biopen.2016.09.003.
- Kim, S. W., Roh, J. and Park, C. S. (2016) 'Immunohistochemistry for pathologists: Protocols, pitfalls, and tips', *Journal of Pathology and Translational Medicine*, 50(6), pp. 411–418. doi: 10.4132/jptm.2016.08.08.
- Kirson, E. D. *et al.* (2004) 'Disruption of Cancer Cell Replication by Alternating Electric Fields', *Cancer Research*, 64(9), pp. 3288–3295. doi: 10.1158/0008-5472.CAN-04-0083.
- Kirson, E. D. *et al.* (2007) 'Alternating electric fields arrest cell proliferation in animal tumor models and human brain tumors', *Proceedings of the National Academy of Sciences of the United States of America*, 104(24), pp. 10152–10157. doi: 10.1073/pnas.0702916104.
- Koschny, R. *et al.* (2013) 'Cytosolic and nuclear caspase-8 have opposite impact on survival after liver resection for hepatocellular carcinoma', *BMC Cancer*, 13, pp. 1–11. doi: 10.1186/1471-2407-13-532.
- Kotnik, T. and Miklavčič, D. (2006) 'Theoretical evaluation of voltage inducement on internal membranes of biological cells exposed to electric fields', *Biophysical Journal*, 90(2), pp. 480–491. doi: 10.1529/biophysj.105.070771.
- Kruidering, M. and Evan, G. I. (2000) 'Caspase-8 in apoptosis: The beginning of "the end"?', *IUBMB Life*, 50(2), pp. 85–90. doi: 10.1080/15216540050212088.
- Kwon, Y. J. *et al.* (2018) '7,12-Dimethylbenz[α]anthracene increases cell proliferation and invasion through induction of Wnt/β-catenin signaling and EMT process', *Environmental Toxicology*, 33(7), pp. 729–742. doi: 10.1002/tox.22560.
- Li, P. *et al.* (2017) 'Caspase-9: Structure, mechanisms and clinical application', *Oncotarget*, 8(14), pp. 23996–24008. doi: 10.18632/oncotarget.15098.
- Mandel, Y. *et al.* (2013) 'Vasoconstriction by electrical stimulation: New approach to control of non-compressible hemorrhage', *Scientific Reports*, 3, pp. 1–7. doi: 10.1038/srep02111.
- Mandic, A. *et al.* (2002) 'Calpain-Mediated Bid Cleavage and Calpain-Independent Bak Modulation: Two Separate Pathways in Cisplatin-Induced Apoptosis', *Molecular and Cellular Biology*, 22(9), pp. 3003–3013. doi: 10.1128/mcb.22.9.3003-3013.2002.
- McIlwain, D. R., Berger, T. and Mak, T. W. (2015) 'Caspase functions in cell death and disease', *Cold Spring Harbor Perspectives in Biology*, 7(4). doi:

- 10.1101/cshperspect.a026716.
- Miller, L. M. *et al.* (2008) 'Increased levels of a unique post-translationally modified  $\beta$ IVb-tubulin isotype in liver cancer', *Biochemistry*, 47(28), pp. 7572–7582. doi: 10.1021/bi8005225.
- Momeni, H. R. (2011) 'Role of calpain in apoptosis', *Cell Journal*, 13(2), pp. 65–72.
- Mujib, S. A., Alamsyah, F. and Taruno, W. P. (2017) 'Cell Death and Induced p53 Expression in Oral Cancer, HeLa, and Bone Marrow Mesenchyme Cells under the Exposure to Noncontact Electric Fields', *Integrative Medicine International*, 4(3–4), pp. 161–170. doi: 10.1159/000485186.
- Olsson, M. and Zhivotovsky, B. (2011) 'Caspases and cancer', *Cell Death and Differentiation*, 18(9), pp. 1441–1449. doi: 10.1038/cdd.2011.30.
- Qing, W. G. *et al.* (1997) 'Induction of mammary cancer and lymphoma by multiple, low oral doses of 7,12-dimethylbenz[a]anthracene in SENCAR mice', *Carcinogenesis*, 18(3), pp. 553–559. doi: 10.1093/carcin/18.3.553.
- Ramirez, M. L. G. and Salvesen, G. S. (2018) 'A primer on caspase mechanisms', *Seminars in Cell and Developmental Biology*. doi: 10.1016/j.semcdb.2018.01.002.
- Ruksha, K. *et al.* (2019) 'Over-Expression of  $\beta$ II-Tubulin and Especially Its Localization in Cell Nuclei Correlates with Poorer Outcomes in Colorectal Cancer', *Cells*, 8(1), p. 25. doi: 10.3390/cells8010025.
- Saussede-aim, J., Dumontet, C. and Lyon, U. (2009) 'Regulation of tubulin expression: Multiple overlapping mechanisms', *International Journal of Medicine and Medical Sciences*, 1(8), pp. 290–296.
- Sinha, T. (2018) 'Tumors: Benign and Malignant', *Cancer therapy & Oncology International Journal*, 10(3), pp. 1–3. doi: 10.19080/ctoj.2018.10.555790.
- Solari, S. and Baker, R. J. (2007) 'Mammal species of the world: a taxonomic and geographic reference', *Journal of Mammalogy*, 88(3), pp. 824–830. doi: 10.1644/06-mamm-r-422.1.
- Strzalka, W. and Ziemienowicz, A. (2011) 'Proliferating cell nuclear antigen (PCNA): A key factor in DNA replication and cell cycle regulation', *Annals of Botany*, 107(7), pp. 1127–1140. doi: 10.1093/aob/mcq243.
- Wang, Y. and Tjandra, N. (2013) 'Structural insights of tBid, the caspase-8-activated bid, and its BH 3 domain', *Journal of Biological Chemistry*, 288(50), pp. 35840–35851. doi: 10.1074/jbc.M113.503680.
- Yang, M. and Brackenbury, W. J. (2013) 'Membrane potential and cancer progression', 4(July), pp. 1–10. doi: 10.3389/fphys.2013.00185.
- Yin, L. *et al.* (2018) 'Comparison of gene expression in liver regeneration and hepatocellular carcinoma formation', *Cancer Management and Research*, 10, pp. 5691–5708. doi: 10.2147/CMAR.S172945.