

DAFTAR PUSTAKA

- Al Asmari, A., Arshaduddin, M., Elfaki, I., Kadasah, S., Al Robayan, A., & Al Asmary, S. (2014). Aripiprazole an atypical antipsychotic protects against ethanol induced gastric ulcers in rats. *International journal of clinical and experimental medicine*, 7(8), 2031.
- Aghdaei, H. A., Kadijani, A. A., Sorrentino, D., Mirzaei, A., Shahrokh, S., Balaii, H., & Zali, M. R. (2018). An increased Bax/Bcl-2 ratio in circulating inflammatory cells predicts primary response to infliximab in inflammatory bowel disease patients. *United European gastroenterology journal*, 6(7), 1074-1081.
- Ayu N, Diah., 2012. *Pengaruh Terapi Musik terhadap Synaptogenesis Sel Saraf Frontal Cortex Mencit (Mus Musculus) yang Mengalami Stress*. Universitas Airlangga.
- Bale, T. L., 2005. Sensitivity to stress: Dysregulation of CRF Pathways and Disease Development. *Horm. Behav*, Vol 48, pp. 1-10.
- Berardi , S.S., & Welage, L. S., 2008. Peptic Ulcer Disease. In: J. T. Dipiro , R. L. Talbert, G. C. Yee, B. G. Wells, & L. M. Posey (Eds.). *Pharmacotherapy: A Pathophysiology Approach*, Ed. 7th, New, pp 569-587
- BPOM RI. 2014. *Pedoman uji toksisitas non-klinik secara invivo*. Jakarta: Keputusan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia. hal 12 - 14.
- Bunnell, N. W., 2006. Gastrointestinal Disease. In: McPhee, S.J & Ganong, W.F (Eds.). *Pathophysiology of Disease: An Introduction to Clinical Medicine*, Ed. 5th, San Fransisco: The McGraw-Hill Companies

- Campisi J, Leem TH, Fleshner M. 2003. Stress-induced extracellular Hsp72 is a functionally significant danger signal to the immune system. *Cell Stress Chaperones*, Vol.8, No.3, pp.272–286.
- Chiu, P., Barnett A., Tetzloff, G., & Kaminski, J., 1984. Gastric antisecretory properties of SCH 32651. *Arch. Int. Pharmacodyn. Ther.*, Vol 270, pp 116-127.
- Dalery, J., & Honig, A. (2003). Fluvoxamine versus fluoxetine in major depressive episode: a double-blind randomised comparison. *Human Psychopharmacology: Clinical and Experimental*, 18(5), 379-384.
- De Souza Queiroz, J., Malacrida, S. A., Justo, G. Z., & Queiroz, M. L. (2004). Myelopoietic response in mice exposed to acute cold/restraint stress: modulation by Chlorella vulgaris prophylactic treatment. *Immunopharmacology and immunotoxicology*, 26(3), 455-467.
- Debattista, C. 2012. Antidepressant agent . In : Katzung, B.G., Masters, S.B., Trevor, A.J. (Eds). *Basic & Clinical Pharmacology*. 12th Ed., United State: The McGraw Hill Companies Inc, pp. 521 - 541.
- Debnath, S., & Guha, D., 2007. Role of Moringa oleifera on enterochromaffin cell count and serotonin content of experimental ulcer model. *Indian Journal of Experimental Biology*, Vol 45 pp 726-731
- Dinintia, Yunita. 2016. *Perbandingan efek antiulcer Beberapa antidepresan Terhadap Gastric ulcer yang diinduksi stress*. Universitas Airlangga. hal 44-52
- Dursun, H., Bilici, M., Albayrak, F., Ozturk, Cengis., Saglam, M.B., Alp, H.H., Suleyman, H., 2009. Antiulcer activity of fluvoxamine in rats and its effect on oxidant and antioxidant parameters in stomach tissue. *BMC Gastroenterol*, Vol. 9, No.36, pp. 1–10.
- Elsaed, W. M., Al-Ahmadi, A. M., Al-Ahmadi, B. T., Taha, G. A., & Tarabishi, R. M., 2018. Gastroprotective and antioxidant effects of

- fluvoxamine on stress-induced peptic ulcers in rats. *Journal of Taibah University Medical Sciences.* 13(5), 422-431.
- Ernst, H., Konturek, p., Brzozowski, T., Lochs, H., Hahn, E., & Konturek, S., 1998. Adaptation of *gastric* mucosa to stress. *J. Physiol Pharmacol*, Vol. 49, pp. 405-419.
- Escobedo-Hinojosa, W. I., Gomez-Chang, E., García-Martínez, K., Guerrero Alquicira, R., Cardoso-Taketa, A., & Romero, I., 2018. Gastroprotective Mechanism and Ulcer Resolution Effect of Cyrtocarpa procera Methanolic Extract on Ethanol-Induced Gastric Injury. *Evidence-Based Complementary and Alternative Medicine*. pp 1-12
- Garafutdinov, R. R., Galimova, A. A., & Sakhabutdinova, A. R. (2017). Polymerase chain reaction with nearby primers. *Analytical biochemistry*, 518, 126-133.
- Gram, L., 1994. Fluoxetine. *N Engl J Med*, Vol.331,pp. 1354-1361.
- Grimm, C., Wenzel, A., Hafezi, F., & Remè, C. E. (2000). Gene expression in the mouse retina: the effect of damaging light. *Mol Vis*, 6, 252-260.
- Ghobrial, I. M., Witzig, T. E., & Adjei, A. A., 2005. Targeting apoptosis pathways in cancer therapy. *CA: a cancer journal for clinicians*, 55(3), pp.178-194.
- Hartl FU, Hayer-Hartl M. 2002. *Molecular chaperones in the cytosol: from nascent chain to folded protein*. vol.295,pp.1852-1858.
- Hiemke, C., & Härtter, S. (2000). Pharmacokinetics of selective serotonin reuptake inhibitors. *Pharmacology & therapeutics*, 85(1), 11-28.
- Hoogerwerf, W.A & Parischa, P.J., 2006. Pharmacotherapy of gastric acidity, peptic ulcers, and gastroesophageal reflux disease. In : Brunton, L.L., Lazo, J.S., Parker, K.L. (Eds.). *Goodman and Gilman's The*

- Pharmacological Basis of Therapeutics.*** 11th Ed., New York : Mc Graw Hill., pp 967 -981
- Hsu, C. C., Hsu, Y. C., Chang, K. H., Lee, C. Y., Chong, L. W., Lin, C. L., & Kao, C. H., 2015. Depression and the risk of peptic ulcer disease: a nationwide population-based study. *Medicine*, 94(51).
- Hume CW.1972. *The UFAW on The Care and Management of Laboratory Animals.* 4th ed. Edinburgh & London: E & S Livingstone Limited- Longman Group Limited, 23-36
- Hurteau, G. J., & Spivack, S. D. (2002). mRNA-specific reverse transcription-polymerase chain reaction from human tissue extracts. *Analytical biochemistry*, 307(2), 304-315.
- Hyttel, J., Bøgesø, K. P., Perregaard, J., & Sánchez, C. (1992). The pharmacological effect of citalopram resides in the (S)-(1)-enantiomer. *J Neural Transm (Gen Sect)* 88, 157–160.
- Islamiyah, Maulidatul. 2017. *Efek Pemberian Fluvoxamine Terhadap Perbaikan Mukosa Lambung Mencit Dengan Gastric Ulcer Yang Diinduksi Stres.* Universitas Airlangga hal 61-64
- Jiang, B., Liang, P., Deng, G., Tu, Z., Liu, M., & Xiao, X. (2011). Increased stability of Bcl-2 in HSP70-mediated protection against apoptosis induced by oxidative stress. *Cell stress and chaperones*, 16(2), 143-152.
- Ji, C. X., Fan, D. S., Li, W., Guo, L., Liang, Z. L., Xu, R. M., & Zhang, J. J. (2012). Evaluation of the anti-ulcerogenic activity of the antidepressants duloxetine, amitriptyline, fluoxetine and mirtazapine in different models of experimental *gastriculcer* in rats. *European Journal of Pharmacology*, 691(1–3), 46–51.
- Johnson JD, Fleshner M.2006. Releasing signals, secretory pathways, and immune function of endogenous extracellular heat shock

- protein
72. *J Leukoc Biol*, Vol.79, No.3, pp.425–434.
- Jolly C, Morimoto RI. 2000. Role of the heat shock response and molecular chaperones in oncogenesis and cell death. *J Natl Cancer Inst*. Vol.92, pp.1564-1572.
- Joshi, M., & Deshpande, J. D. (2010). Polymerase chain reaction: methods, principles and application. *International Journal of Biomedical Research*, 2(1), 81-97.
- Junqueira L C, Cameiro J. 2007. *Histologi Dasar*. Edisi10. Jakarta : EGC
- Juruena, M. F., 2014. Early-life Stress and HPA Axis trigger recurrent adulthood depression. *Epilepsy Behav*, 38, pp. 148-159.
- Kanyal, N. (2015). The science of ischemic stroke: pathophysiology & pharmacological treatment. *International Journal of Pharma Research & Review*, 4, 65-84.
- Katzung, B. G., & Trevor, A. J. (Eds.), 2015. *Basic & clinical pharmacology* (pp. 521-541). New York, NY: McGraw-Hill. pp 525-540
- Kendall, L. V., & Riley, L. K. (2000). Reverse transcriptase polymerase chain reaction (RT-PCR). *Journal of the American Association for Laboratory Animal Science*, 39(1), 42-42.
- Ketuly, K. A., Hadi, A. H. A., Golbabapour, S., Hajrezaie, M., Hassandarvish, P., Ali, H. & Abdulla, M. A. (2013). Acute toxicity and gastroprotection studies with a newly synthesized steroid. *PloS one*, 8(3), e59296.
- Khodapasand, E., Jafarzadeh, N., Farrokhi, F., Kamalidehghan, B., & Houshmand, M. (2015). Is Bax/Bcl-2 ratio considered as a prognostic marker with age and tumor location in colorectal cancer?. *Iranian biomedical journal*, 19(2), 69.
- Khotib, J., Rahmadi, M., Ardianto, C., Nisak, K., Oktavia, R., Ratnasari, A., Dininta, Y., Shinta, D. W., Aryani, T., & Suharjono.(2019). Selective

- serotonin reuptake inhibitor fluvoxamine ameliorates stress-and NSAID-induced peptic ulcer possibly by involving Hsp70. *Journal of basic and clinical physiology and pharmacology*, 30(2), 195-203
- Klein-Nulend, J., Pilbeam, C.C., Harrison, J.R., Fall, P.M., Raisz, L.G., 1991. Mechanism of regulation of prostaglandin production by parathyroid hormone, interleukin-1, and cortisol in cultured mouse parietal bones. *Endocrinology*, 128(5), pp 2503-10.
- Konturek, P. C., Konturek, S. J., Sulekova, Z., Meixner, H., Bielanski, W., Starzynska, T., & Hahn, E. G. (2001). Expression of hepatocyte growth factor, transforming growth factor alpha, apoptosis related proteins Bax and Bcl-2, and gastrin in human gastric cancer. *Alimentary pharmacology & therapeutics*, 15(7), 989-999.
- Konturek, P.C., Brzozowski, T., Konturek, S.J., 2011. Stress and the gut : Pathophysiology, clinical consequences, diagnostic approach and treatment options. *J Physiol Pharmacol*, 62(6), pp. 591–599.
- Lancaster GI, Febbraio MA.2005.Exosome-dependent trafficking of HSP70: a novel secretory pathway for cellular stress proteins. *J Biol Chem*, Vol.280, No.24, pp.23349–23355.
- Landeira-Fernandez, J. (2004). Analysis of the cold-water restraint procedure in gastric ulceration and body temperature. *Physiology & behavior*, 82(5), 827-833.
- Lau, J. Y., Sung, J., Hill, C., Henderson, C., Howden, C. W., & Metz, D. C. (2011). Systematic review of the epidemiology of complicated peptic ulcer disease: incidence, recurrence, risk factors and mortality. *Digestion*, 84(2), 102-113.
- Levine, S., 2005. Stress : an hisrtorical perspective. In T.Steckler, N. Kalin & J. Reul (Eds). *Handbook of Stress and the Brain*. Amsterdam: Elsevier B. V, pp 3 - 23

Liang XS, Ma TM. 2004. Present situation on heat shock proteins of insects.

Liaoning Zhongyi Xueyuan Xuebao; 6: 69

Lin, J., & Redies, C. (2012). Histological evidence: housekeeping genes beta-actin and GAPDH are of limited value for normalization of gene expression. *Development genes and evolution*, 222(6), 369-376.

Ma ZF, Ma HS. 2006. Correlations of Helicobacter pylori-related gastric mucosal inflammation and apoptosis with lactic acid bacteria. *Shijie Huaren Xiaohua Zazhi*;14: 312-317

Matsumoto, H., Wada, T., Fukunaga, K., Yoshihiro, S., Matsuyama, H., & Naito, K. (2004). Bax to Bcl-2 ratio and Ki-67 index are useful predictors of neoadjuvant chemoradiation therapy in bladder cancer. *Japanese journal of clinical oncology*, 34(3), 124-130.

McPhee, S.J, Ganong, W.F.2005. *Pathophysiology of Disease*. San Fransisco : McGraw Hill Inc. Chapter 13.

Nollen & Morimoto. 2002. *Chaperoning signaling pathways: molecular chaperones as stress-sensing ‘heat shock’ proteins*. Department of Biochemistry, Molecular Biology and Cell Biology: Northwestern University.

Oktavia, Rianur. 2016. *Pengaruh Antidepresan Fluvoxamine Terhadap Ekspresi Hsp-70 Pada Peptic Ulcer Yang Diinduksi Stres Dan Nsaid*. Universitas Airlangga

Owens, M. J., Morgan, W. N., Plott, S. J., & Nemeroff, C. B. (1997). Neurotransmitter receptor and transporter binding profile of antidepressants and their metabolites. *Journal of Pharmacology and Experimental Therapeutics*, 283(3), 1305-1322.

- Peckham, M., 2014. *Histology at a Glance*. California, S. dan Astikawati, R., (Eds.). Diterjemahkan oleh Surapsari, Jakarta: Penerbit Erlangga.
- Perlman, H., Zhang, X., Chen, M. W., Walsh, K., & Buttyan, R. (1999). An elevated bax/bcl-2 ratio corresponds with the onset of prostate epithelial cell apoptosis. *Cell death and differentiation*, 6(1), 48-54
- Pawlowski, J., & Kraft, A. S. (2000). Bax-induced apoptotic cell death. *Proceedings of the National Academy of Sciences*, 97(2), 529-531.
- Price S. A dan Wilson, Lorraine M. C. 2006. *Patofisiologi Clinical Concepts of Deslase Process, Edisi 6, Vol 2, Alih bahsa Brahm U*. EGC : Jakarta.
- Qiao, W. L., Wang, G. M., Shi, Y., Wu, J. X., Qi, Y. J., Zhang, J. F., & Yan, C. D., 2011. Differential expression of Bcl-2 and Bax during gastric ischemia-reperfusion of rats. *World Journal of Gastroenterology: WJG*, 17(13), pp.1718.
- Ratnasari, Ayu. 2015. *Efek Gastroprotektif Antidepresan Fluvoxamine Terhadap Gastric Ulcer yang Diinduksi oleh Stres dan NSAID*. Universitas Airlangga. hal 76-92
- Richelsone, E. (1994, November). Pharmacology of antidepressants characteristics of the ideal drug. In *Mayo Clinic Proceedings* Vol. 69, No. 11, pp. 1069-1081
- Saxena, B. & Singh, S., 2011. Investigations on gastroprotective effect of citalopram, an antidepressant drug against stress and pyloric ligation induced ulcers. *Pharmacol Rep.* 63, pp. 1413–1426.
- Salakou, S., Kardamakis, D., Tsamandas, A. C., Zolota, V., Apostolakis, E., Tzelepi, V.,& Dougenis, D. (2007). Increased Bax/Bcl-2 ratio up-regulates caspase-3 and increases apoptosis in the thymus of patients with myasthenia gravis. *In vivo*, 21(1), 123-132.

- Stankiewicz, A. R., Lachapelle, G., Foo, C. P., Radicioni, S. M., & Mosser, D. D. (2005). Hsp70 inhibits heat-induced apoptosis upstream of mitochondria by preventing Bax translocation. *Journal of Biological Chemistry*, 280(46), 38729-38739.
- Sikander, A., Rana, S. V., & Prasad, K. K. (2009). Role of serotonin in gastrointestinal motility and irritable bowel syndrome. *Clinica Chimica Acta*, 403(1-2), 47-55.
- Smith, S. M., & Vale, W. W. (2006). The role of the hypothalamic-pituitary-adrenal axis in neuroendocrine responses to stress. *Dialogues in clinical neuroscience*, 8(4), 383 - 395
- Sokar, S. S., Elsayad, M. E., & Ali, H. S. (2016). Serotonin and histamine mediate gastroprotective effect of fluoxetine against experimentally-induced *ulcers* in rats. *Journal of Immunotoxicology*, 13(5), 638–651.
- Su TC, Lin SH, Lee PT, Yeh SH, Hsieh TH, Chou SY, et al. The sigma-1 receptor-zinc finger protein 179 pathway protects against hydrogen peroxide induced cell injury. *Neuropharmacology* 2016;105:1–9.
- Szabo, I., & Tarnawski, A. S., 2000. Apoptosis in the gastric mucosa: molecular mechanisms, basic and clinical implications. *Journal of Physiology and Pharmacology*, 51(1). pp 6-8
- VanPutte C, Regan J, Russo A.2015. *Seeley's Essentials of Anatomy & Physiology*. 9th ed. New York, NY: McGraw-Hill Education, pp 442-475
- Van Harten, J. (1993). Clinical pharmacokinetics of selective serotonin reuptake inhibitors. *Clinical pharmacokinetics*, 24(3), 203-220.
- Van Harten, J. (1995). Over view of the pharmacokinetics of fluvoxamine. *Clinical pharmacokinetics*, vol.29. pp.1-9
- Vogiagis, D., Glare, E. M., Misajon, A., Brown, W., & O'Brien, P. E. (2000). Cyclooxygenase-1 and an alternatively spliced mRNA in the rat

- stomach: effects of aging and *ulcers*. *Am J Physiol Gastrointest Liver Physiol*, 278(5), G820–G827.
- Westenberg, H. G. M., & Sandner, C. (2006). Tolerability and safety of fluvoxamine and other antidepressants. *International journal of clinical practice*, 60(4), 482-491.
- Westphal, D., Dewson, G., Czabotar, P. E., & Kluck, R. M., 2011. Molecular biology of Bax and Bak activation and action. *Biochimica et Biophysica Acta (BBA)-Molecular Cell Research*, 1813(4), 521-531.
- Xu, J., Song, Y. G., & Wu, J. B. (2004). Changes of Plasma EGF and Apoptosis of Gastric Epithelium Mucosae in Experimental Stress-induced Ulcers in Rats [J]. *Acta Academiae Medicinae Suzhou*, 2.
- Yusuf, Z. K. (2010). Analisis RAPD (Random Amplified Polymorphic DNA) untuk Diferensiasi Mycobacterium tuberculosis isolat klinik sensitif INH dan Rifampisin di Makassar. *Sainstek*, 5(1).
- Zainuddin, M., 2014. *Metodologi Penelitian Kefarmasian dan Kesehatan*. Edisi ke-2, Surabaya: Airlangga University Press, hal. 99-120.
- Zhu, J., He, F., Hu, S., & Yu, J. (2008). On the nature of human housekeeping genes. *Trends in genetics*, 24(10), 481-484.