

## DAFTAR PUSTAKA

- Albayrak, A., Alp, H.H., Suleyman, H., 2015. Investigation of antiulcer and antioxidant activity of moclobemide in rats. **Eurasian J Med**, Vol. 47, pp. 32–40.
- Alnizar, Lutvia. 2019. *Efek Pemberian Fluvoxamine Pada Ekspresi mRNA PPAR- $\gamma$  di Mukosa Lambung Mencit dengan Gastric Ulcer yang diinduksi stres*. Universitas Airlangga hal 56-58
- Amandeep, K., Robin, S., Ramica, S., & Sunil, K. 2012. **Review Article PEPTIC ULCER: A REVIEW ON ETIOLOGY AND PATHOGENESIS.** 3(6), 34–38.
- 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.
- Bashir, A., Cohen-Gadol, A., Kemp, W., & Dababneh, H. (2015). Cushing's ulcer: Further reflections. *Asian Journal of Neurosurgery*, 10(2), 87.
- Baumans Vera.2010. *The UFAW on The Care and Management of Laboratory Animals*. 8<sup>th</sup> ed. Edinburgh & London: E & S Livingstone Limited- Longman Group Limited, 277-280
- 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 Phatophysiology Approach**, Ed. 7th, New, pp 569-587
- Bhagawati, S., & Sanjay, S. 2011. Investigations on gastroprotective effect of citalopram, an antidepressant drug against stress and pyloric ligation induced ulcers. **Pharmacological Reports**, 63(6), 1413–1426.

- Bourg, C.A. & May, D., 2016. Peptic ulcer disease. In: Chisholm-Burns, M.A., Schwinghammer, T.L., Wells, B.G., Malone, P.M., Kolesar, J.M., Dipiro, J.T. (Eds.). *Pharmacotherapy Principle & Practice*, 4th Ed., United States: McGrawhill Education, 295-305.
- BPOM RI. 2014. *Pedoman uji toksisitas non-klinik secara invivo*. Jakarta: Keputusan Kepala Badan Pengawas Obat dan Makanan Republik Indonesia. hal 12 - 14.
- Breit, S., Kupferberg, A., Rogler, G., Hasler, G., & Hasler, G. 2018. *Vagus Nerve as Modulator of the Brain–Gut Axis in Psychiatric and Inflammatory Disorders*. *Frontier in Psychiatry* 9(March).
- Browning, K. N. 2015. Role of central vagal 5-HT3 receptors in gastrointestinal physiology and pathophysiology. *Frontiers in Neuroscience*, 9(OCT), 1–10.
- Bush, E.S., Mayer, S.E., 2006. 5-Hydroxytryptamine (serotonin): receptor agonists and antagonists. In: Brunton, L.L., Lazo, J.S., Parker KL (Eds.), *Goodman and Gilman's The Pharmacological Basis of Therapeutics*. McGraw Hill and Co., USA,pp. 269–275.
- Campos, A.C., Fogac, M.V., Aguiar, D.C., and Guimaraes, F.S., 2013. Animal models of anxiety disorders and stress. *Revista Brasileira de Psiquiatria*, Vol. 35, p. 101–111.
- Chen, C. Y., Kuo, T. L., Sheu, S. Y., & Kuo, T. F. 2010. Preventive effects of chinese Herb Chai-Hu-Gui-Zhi-Tang extract on water immersion restraint stress-induced acute gastric ulceration in rats. *Journal of Veterinary Medical Science*, 72(6), 679–685.
- Colemana Jonathan A. dan Gouaux Eric. 2017. Structural basis for recognition of diverse antidepressants by the human serotonin transporter. *Vollum Institute, Oregon Health & Science University*, 1–15.
- 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.
- 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* 45, 726–731.
- Debnath, S., Biswas, D., Ray, K., & Guha, D. 2011. Moringa oleifera induced potentiation of serotonin release by 5-HT 3 receptors in experimental ulcer model. *Phytomedicine*, 18(2–3), 91–95.
- Deding, U., Ejlskov, L., Grabas, M. P. K., Nielsen, B. J., Torp-Pedersen, C., & Bøggild, H. 2016. Perceived stress as a risk factor for peptic ulcers: A register-based cohort study. *BMC Gastroenterology*, 16(1), 1–12.
- De Ponti, F. 2004. *Pharmacology of serotonin*: What a clinician should know. *Gut*, 53(10), 1520–1535.
- 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.
- Debasa, H. T., & Carvajal, S. H. 1995. *Vagal Regulation of Acid Secretion and Gastrin Release MedullayX Yale Journal of Biology and Medicine*. 67(1994), 145–151.
- Dharmani, P., Kumar, K., Srivastava, S., Palit, G., 2002. Ulcer healing effect of anti-ulcer agents : a comparative study. *Internet J Acad Physician Assist*, Vol. 3, No.2, pp. 1–7.
- 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.
- Ellis, H., 2016. *Clinical Anatomy: Applied Anatomy for Student and*

- Junior Doctors*, 11<sup>th</sup> Ed., Australia: Blackwell Publishing Inc, pp. 70-74
- 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.
- Fong, J. J., & Devlin, J. W., 2008. Peptic Ulcer Disease. In: J. T. Dipiro, P. M. Malone, & B. G. Wells (Eds.). *Pharmacotherapy Principles & Practice. New York: The McGraw-Hill*, pp. 269-280.
- Gidener, S., Apaydin, S., Kupelioglu, A., Guven, H., Gelal, A., & Gure, A. 1995. Serotonin causes acute gastric mucosal injury in rats, probably via 5HT(1D) receptors. *International Journal of Experimental Pathology*, 76(4), 237–240.
- Guilliams, T.G. & Edwards, L., 2010. Chronic stress and the hpa axis: clinical assessment and therapeutic considerations. *The Standard*, Vol. 9, No. 2, pp. 1–12.
- Guha, D., Ghosh, A., 1995. Effect of cerebellar nodulation on gastro duodenal PGE2 and 5-HT content of rat. *Indian Journal of Experimental Biology* 33, 361–364
- Guo, S., Gao, Q., Jiao, Q., Hao, W., Gao, X., & Cao, J. M. 2012. Gastric mucosal damage in water immersion stress: Mechanism and prevention with GHRP-6. *World Journal of Gastroenterology*, 18(24), 3145–3155.
- Hiemke, C., & Hartter, S. 2000. Pharmacokinetics of selective serotonin reuptake inhibitors. *Pharmacology & therapeutics*, 85(1), 11-28.
- Hsu Chih-Chao, Hsu Yi-Chao, Chang Kuang-Hsi, Lee Chang-Yin. 2015. Depression and the Risk of Peptic Ulcer Disease. *Medicine : Observational Study*. Vol 94(51): 1–8.

- Islamiyah, Maulidatul. 2017. *Efek Pemberian Fluvoxamine Terhadap Perbaikan Mukosa Lambung Mencit Dengan Gastic Ulcer Yang Diinduksi Stres*.Universitas Airlangga hal 61-64
- 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 gastric ulcer in rats. *European Journal of Pharmacology*, 691(1–3), 46–51.
- Kansara, S., & Sakhreliya, B. D., 2013. PEPTIC ULCER - Its Pathogenesis and Recent Approaches for the Treatment. *J. Pharm. Sci. Bio-sci Res*, Vol. 3(4), pp. 136-144.
- Kato, S. 2013. Role of serotonin 5-HT3 receptors in intestinal inflammation. *Biological and Pharmaceutical Bulletin*, 36(9), 1406–1409.
- Kato, S., Matsuda, N., Matsumoto, K., Wada, M., & Onimaru, N. 2012. Dual role of serotonin in the pathogenesis of indomethacin-induced small intestinal ulceration : Pro-ulcerogenic action via 5-HT3 receptors and anti-ulcerogenic action via 5-HT4 receptors. *Pharmacological Research*, 66(3), 226–234.
- Katzung, B. G., & Trevor, A. J. (Eds.), 2015. *Basic & clinical pharmacology* (pp. 521-541). New York, NY: McGraw-Hill. pp 525-540
- Khotib, J., Rahmadi, M., Ardianto, C., Nisak, K., Oktavia, R., Ratnasari, A., 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),
- Konturek, P.C., Ernst, H., Brzozowski, T., Ihlm, A., Hahn, E.G., Konturek, S.J., 1996. Expression of epidermal growth factor and transforming

- growth factor- $\alpha$  after exposure of rat gastric mucosa to stress. *Scand J Gastroenterol*, Vol. 31, No.3, pp. 209-216.
- Konturek, P. C., Brzozowski, T., Duda, A., Kwiecien, S., Löber, S., Dembinski, A., Konturek, S. J. 2001. Epidermal growth factor and prostaglandin E2 accelerate mucosal recovery from stress-induced gastric lesions via inhibition of apoptosis. *Journal of Physiology Paris*, 95(1–6), 361–367.
- Konturek, P. C., Ernst, H., Brzozowski, T., Ihlm, A., Hahn, E. G., Konturek, S. J., Konturek, S. J. 2015. *Expression of Epidermal Growth Factor and Transforming Growth Factor- $\alpha$  after Exposure of Rat Gastric Mucosa to Stress*. *Scandinavian Journal of Gastroenterology*. 5521
- Landeira-Fernandez, J. 2004. Analysis of the cold-water restraint procedure in gastric ulceration and body temperature. *Physiology & behavior*, 82(5), 827-833.
- 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
- Li, Y., Lu, G., Zou, X., Li, Z., Peng, G., & Fang, D., 2006. Dynamic functional and ultrastructural changes of gastric parietal cells induced by water immersion-restraint stress in rats. *World J Gastroenterol*, Vol. 12, pp. 3368-3372.
- Mawe, G. M., & Hoffman, J. M. 2013. Serotonin signalling in the gut-functions, dysfunctions and therapeutic targets. *Nature Reviews Gastroenterology and Hepatology*, 10(8), 473–486.
- McPhee, S.J, Ganong, W.F. 2005. *Pathophysiology of Disease*. San Francisco : McGraw Hill Inc. Chapter 13.
- McQuaid, K. R., 2010. Obat yang Digunakan pada Terapi Penyakit Gastrointestinal. In: W. K. Nirmala, N. Yesdelita, D. Susanto, & F.

- Dany (Eds.). *Farmakologi Dasar dan Klinik*, Ed.10th Jakarta: Penerbit Buku Kedokteran EGC.
- McVey Neufeld, K. A., Bienenstock, J., Bharwani, A., Champagne-Jorgensen, K., Mao, Y. K., West, C., Forsythe, P. 2019. Oral selective serotonin reuptake inhibitors activate vagus nerve dependent gut-brain signalling. *Scientific Reports*, 9(1), 1–11.
- Pappano, A. J., 2010. Obat Penyekat Kolinoreseptor. In: W. K. Nirmala (Eds.). *Farmakologi Dasar dan Klinik*. Diterjemahkan oleh A. W. Nugroho., Ed. 10th, Jakarta: Penerbit Buku Kedokteran EGC.
- Peckham, M., 2014. *Histology at a Glance*. California, S. dan Astikawati, R., (Eds.). Diterjemahkan oleh Surapsari, Jakarta: Penerbit Erlangga.
- Ramesh, S. T., Asad, M., Dhamanigi, S. S., & Prasad, V. S. 2009. Effect of central administration of ondansetron, a 5-hydroxytryptamine-3 receptor antagonist on gastric and duodenal ulcers. *Fundamental and Clinical Pharmacology*, 23(3), 303–309.
- Ratnasari, Ayu. 2015. *Efek Gastroprotektif Antidepresan Fluvoxamine Terhadap Gastric Ulcer yang Diinduksi oleh Stres dan NSAID*. Universitas Airlangga.
- Roila dan Favero. 1995. Ondansetron clinical pharmacokinetics. *Clin Pharmacokinet*, 29(2):95-109
- Rowland, K. J., Choi, P. M., & Warner, B. W. 2013. The role of growth factors in intestinal regeneration and repair in necrotizing enterocolitis. *Seminars in Pediatric Surgery*, 22(2), 101–111
- Saxena, B. & Singh, S., 2011. Investigations on gastroprotective effect of citalopram, an antidepressant drug against stress and pyloric ligation induced ulcers. *Pharmacol Rep*, Vol. 63, pp. 1413–1426.
- Seidel, M. F., Fiebich, B. L., Ulrich-Merzenich, G., Candelario-Jalil, E., Koch, F. W., & Vetter, H. (2008). Serotonin mediates PGE2 overexpression through 5-HT2A and 5-HT3 receptor subtypes in

- serum-free tissue culture of macrophage-like synovial cells. *Rheumatology International*, 28(10), 1017–
- Siesser, W. B., Sachs, B. D., Ramsey, A. J., Sotnikova, T. D., Beaulieu, J., Zhang, X., Gainetdinov, R. R. 2013. *Chronic SSRI Treatment Exacerbates Serotonin Deficiency in Humanized Tph2 Mutant Mice*. *ACS Chemical Neuroscience*. 2–6.
- Silva, M.I.G., De Sousa, F.C.F. 2011. *Peptic Ulcer Disease*. Edited by Jianyuan Chai. Retrieved from [www.intechopen.com/orders@intechweb.org](http://www.intechopen.com/orders@intechweb.org).
- Simadibrata, M., & Adiwinata, R. 2017. Current Issues of Gastroenterology in Indonesia. *Acta Medica Indonesiana*, 49(3), 270–278.
- Shimizu Sinya.2010. *Handbook of Experimental Animal*. National Institute of Animal Health,Tsukuba, Japan. 528-540
- Smyth, E.M., Burke, A., Fitzgerald, G.A., 2006. Lipid derived autocoids: eicosanoids and platelet activating factor. In: Brunton, L.L., Lazo, J.S., Parker, K.L. (Eds.), *Goodman and Gilman's The Pharmacological Basis of Therapeutics*. McGraw Hill and Co., USA, pp. 653–670.
- Siswandono. 2016. *Kimia Medisinal*. Edisi ke-2, Surabaya: Airlangga University Press, hal. 318-325.
- 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. *J Immunotoxicol*, Vol. 13, No. 5, pp. 638-652.
- Soll, A.H. & Isenberg, J., 2000. *Peptic ulcer disease: Epidemiology, pathophysiology, clinical manifestations and diagnosis*. In: Cecil, R., Beeson, P., McDermott, W., Wyngaarden, J., Smith, H.L., Plum, F., Drazen, J.M., Powell, D.W., Schafer, A.I. (Eds.). Goldman Bennett

- Cecil Texbook of Medicine, 21th Ed., Philadelphia: Saunders, pp. 671-675
- Stevani, Hendra. 2016. *Praktikum Farmakologi*. Kementerian Kesehatan RI-Pusdik SDM Kesehatan, Badan Pengembangan dan Pemberdayaan SDM Kesehatan. Jakarta Selatan
- Sweetman, S.C., Eds. 2009. *Martindale: The Complete Drug Reference*. 36<sup>th</sup> Ed., London:Pharmaceutical Press, pp. 385, 391, 399, 414, 421.
- Takahashi, T., Suzuki, G., Nibuya, M., Tanaka, T., Nozawa, H., Hatano, B., Takahashi, Y., Shimizu, K., Yamamoto, T., Tachibana, S., Nomura, S., 2012. Therapeutic effect of paroxetine on stress-induced gastric lesions in mice. *Prog Neuropsychopharmacol Biol Psychiatry*, Vol. 36, pp. 39–43.
- Teja D. Sai., Srivarsha G.A., ZL Qadrie. 2018. *Peptic Ulcer Disease : An Overview*. *International Journal of Pharmacy and Pharmaceutical Research*.Vol 12(1): 8-26.
- Tiwari, S., Avinash, B., & Vishwakarma, S. K. 2016. Peptic Ulcer Disease: Descriptive Epidemiology, Risk Factors, Management and Prevention. *SM Gr up*. pp.3-5
- VanPutte C, Regan J, Russo A.2015. *Seeley's Essentials of Anatomy & Physiology*. 9th ed. New York, NY: McGraw-Hill Education, pp 442-475
- Westenberg, H. G. M., & Sandner, C. (2006). Tolerability and safety of fluvoxamine and other antidepressants. *International journal of clinical practice*, 60(4), 482-491
- World Health Organization (WHO). 2017, Indonesia: Peptic Ulcer Disease. <http://www.worldlifeexpectancy.com/indonesia-peptic-ulcer-disease.html>
- Yang dan Lee. 2008. Dose-independent Pharmacokinetics of Ondansetron in Rats : Contribution of Hepatic and Intestinal First-pass Effects to

- Low **Bioavailability**. *Biopharmaceutics & Drug Disposition*, 29: 414-426
- Ye, J., Ponnudurai, R., & Schaefer, R. 2018. *Ondansetron : A Selective 5-HT3 Receptor Antagonist and Its Ondansetron : A Selective 5-HT 3 Receptor Antagonist and Its Applications in CNS-Related Disorders.CNS Drug Reviews* . Vol : 7(2)
- Yuan, Yuhong., Tsoi, Keith., Hunt. H.R. 2006. Selective Serotonin Reuptake Inhibitors and Risk of Uppe GI Bleeding: Confusion or Confounding? *The American Journal of Medicine* 119, 719-727.
- Yuet C. Wei., Derasari, Dhvani., Sivoravong Jon., et al. 2019. *The Journal of the American Osteopathic Association* 119 (2) : 102-111.
- Zainuddin, M., 2014. *Metodologi Penelitian Kefarmasian dan Kesehatan*. Edisi ke-2, Surabaya: Airlangga University Press, hal. 99-120.