

DAFTAR PUSTAKA

- Alberga, a, Boulay, J. L., Kempe, E., Dennefeld, C., Haenlin, M. (1991). The snail gene required for mesoderm formation in *Drosophila* is expressed dynamically in derivatives of all three germ layers. *Development (Cambridge, England)*, 111(4), 983–992.
- Anonim. (2015). Epithelial to Mesenchymal Transition. *Bio-techne*. North America.
- B. Antony., G. Santhakumari., B. Merina., V. Sheeba., J. Mukkadan. (2006). Hepatoprotective effect of *Centella asiatica* (L) in carbon tetrachloride-induced liver injury in rats. *Indian Journal of Pharmaceutical Sciences*, 68(6), 772–776.
- Barrallo-Gimeno, A., Nieto, M. A. (2005). The Snail genes as inducers of cell movement and survival nimplications in development and cancer. *Development*, 132(14), 3151–3161.
- Bolos, V., Peinado, H., Perez-Moreno, M. A., Fraga, M. F., Esteller, M., Cano, A. (2016). The transcription factor Slug represses E-cadherin expression and induces epithelial to mesenchymal transitions: a comparison with Snail and E47 repressors. *Journal of Cell Science*, 129(6), 1283.
- Cano, A., Pérez-Moreno, M. A., Rodrigo, I., Locascio, A., Blanco, M. J., del Barrio, M. G., Nieto, M. A. (2000). The transcription factor Snail controls epithelial–mesenchymal transitions by repressing E-cadherin expression. *Nature Cell Biology*, 2(2), 76–83.
- Centers for Disease Control and Prevention. (2014). National Chronic Kidney Disease Fact Sheet. *CKD Surveillance Project*, 1–4.
- Charan, J & Kantharia, N. D. (2013). How to Calculate Sample Size in Animal Studies? *J Pharmacol Pharmacother*, 4, 303-306.
- Chen Y., Han T., Qin L., Rui Y. (2003). Effect of total triterpenes from *centella asiatica* on the depression behavior and concentration of amino acid in forced swimming mice. *Zhong Yao Cai*, 26(12), 870–873.
- Chevalier, R. L., Forbes, M. S., Thornhill, B. A. (2009). Ureteral obstruction as a model of renal interstitial fibrosis and obstructive nephropathy. *Kidney International*, 75(11), 1145–1152.
- Comijn, J., Berx, G., Vermassen, P., Verschueren, K., Van Grunsven, L., Bruyneel, E., Van Roy, F. (2001). The two-handed E box binding zinc finger protein SIP1 downregulates E-cadherin and induces invasion. *Molecular Cell*, 7(6), 1267–1278.
- Drake, R., Vogl, W., Mitchell, A. (2005). *Gray's Anatomy for Students*, 3rd Edition. Churchill Livingstone.
- Fallis, A., G. Folkard, C. (1995). *encyclopedia of Herbs and their uses*. Dorling kindersley Publisinh, Inc., New York.
- Gohil, K., Patel, J., Gajjar, A. (2010). Pharmacological review on *Centella asiatica*: A potential herbal cure-all. *Indian Journal of Pharmaceutical Sciences*, 72(5), 546.

- Ikenouchi, J. (2003). Regulation of tight junctions during the epithelium-mesenchyme transition: direct repression of the gene expression of claudins/occludin by Snail. *Journal of Cell Science*, 116(10), 1959–1967.
- Kalluri, R., Neilson, E. G. (2003). Epithelial-mesenchymal transition and its implications for fibrosis. *Journal of Clinical Investigation*.
- Kavitha, C. V., Agarwal, C., Agarwal, R., Deep, G. (2011). Asiatic acid inhibits pro-angiogenic effects of VEGF and human gliomas in endothelial cell culture models. *PLoS ONE*, 6(8).
- Klahr, S., Harris, K., Purkerson, M. L. (1988). Effects of obstruction on renal functions. *Pediatric Nephrology*.
- Kriz, W., Kaissling, B., Le Hir, M. (2011). Epithelial-mesenchymal transition (EMT) in kidney fibrosis: Fact or fantasy? *Journal of Clinical Investigation*.
- Kusumawati, D. (2004). Bersahabat dengan Hewan Coba. Gadjah Mada University Press. Yogyakarta.
- Lange-Sperandio, B., Trautmann, A., Eickelberg, O., Jayachandran, A., Oberle, S., Schmidutz, F., Schaefer, F. (2007). Leukocytes induce epithelial to mesenchymal transition after unilateral ureteral obstruction in neonatal mice. *The American Journal of Pathology*, 171(3), 861–871.
- Lee, K. Y., Bae, O. N., Serfozo, K., Hejarian, S., Moussa, A., Reeves, M., Majid, A. (2012). Asiatic acid attenuates infarct volume, mitochondrial dysfunction, and matrix metalloproteinase-9 induction after focal cerebral ischemia. *Stroke*, 43(6), 1632–1638.
- Maquart, F.-X., Bellon, G., Gillery, P., Wegrowski, Y., Borel, J.-P. (1990). Stimulation of Collagen Synthesis in Fibroblast Cultures by a Triterpene Extracted from *Centella Asiatica*. *Connective Tissue Research*, 24(2), 107–120.
- Marty, A. T. (1999). PDR for Herbal Medicines. *JAMA: The Journal of the American Medical Association*.
- Moore, K. L. (2010). Keith L. Moore/LWW Presidential Address. In *Clinical Anatomy*, 18th Edition, 316–317.
- Nieto, M. A. (2002). The Snail Superfamily of Zinc-Finger Transcription Factors. *Nature Reviews Molecular Cell Biology*, 3(3), 155–166.
- Park, S. M., Gaur, A. B., Lengyel, E., Peter, M. E. (2008). The miR-200 family determines the epithelial phenotype of cancer cells by targeting the E-cadherin repressors ZEB1 and ZEB2. *Genes and Development*, 22(7), 894–907.
- Pećina-Slaus, N. (2003). Tumor suppressor gene E-cadherin and its role in normal and malignant cells. *Cancer Cell International*, 3(1), 17.
- PERNEFRI (Perkumpulan Nefrologi Indonesia). (2015). 8th Report Of Indonesian Renal Registry, 1–45.
- Puri, T. S., Shakaib, M. I., Chang, A., Mathew, L., Olayinka, O., Minto, A. W. M., Quigg, R. J. (2010). Chronic kidney disease induced in mice by reversible unilateral ureteral obstruction is dependent on genetic background. *American Journal of Physiology. Renal Physiology*, 298(4), 1024–1032.
- Pusat Data dan Informasi Kemenkes RI. (2017). Situasi Penyakit Ginjal Kronis. *InfoDATIN*.

- Robson, E. J. D., Khaled, W. T., Abell, K., Watson, C. J. (2006). Epithelial-to-mesenchymal transition confers resistance to apoptosis in three murine mammary epithelial cell lines. *Differentiation; Research in Biological Diversity*, 74(5), 254–264.
- Saladin, K. (2003). *Saladin: Anatomy & Physiology: The Unity of Form and Function. The McGraw-Hill Companies.*
- Sato, M., Muragaki, Y., Saika, S., Roberts, A. B. (2003). Targeted disruption of TGF- β 1 / Smad3 signaling protects against renal tubulointerstitial fibrosis induced by unilateral ureteral obstruction. *Journal of Clinical Investigation*, 112(10).
- Schnitzer, J., Franke, W. W., Schachner, M. (1981). Immunocytochemical demonstration of vimentin in astrocytes and ependymal cells of developing and adult mouse nervous system. *Journal of Cell Biology*, 90(2), 435–447.
- Suguna, L., Sivakumar, P., Chandrakasan, G. (1996). Effects of *Centella asiatica* extract on dermal wound healing in rats. *Indian Journal of Experimental Biology*, 34(12), 1208–1211.
- Tang, L. xia, He, R. hua, Yang, G., Tan, J. ju, Zhou, L., Meng, X. ming., Lan, H. Y. (2012). Asiatic acid inhibits liver fibrosis by blocking TGF-beta/smad signaling in vivo and in vitro. *PLoS ONE*, 7(2).
- Witzgall, R., Brown, D., Schwarz, C., Bonventre, J. V. (1994). Localization of Proliferating Cell Nuclear Antigen, Vimentin, c-Fos, and Clusterin in the Postischemic Kidney Evidence for a Heterogenous Genetic Response among Nephron Segments, and a Large Pool of Mitotically Active and Dedifferentiated Cells. *Journal of Clinical Investigation*, 93(5), 2175–2188.
- Xu, C., Wang, W., Xu, M., Zhang, J. (2013). Asiatic acid ameliorates tubulointerstitial fibrosis in mice with ureteral obstruction. *Experimental and Therapeutic Medicine*, 6(3), 731–736.
- Yang, J., Liu, Y. (2001). Dissection of key events in tubular epithelial to myofibroblast transition and its implications in renal interstitial fibrosis. *The American Journal of Pathology*, 159(4), 1465–1475.
- Yoshino, J., Monkawa, T., Tsuji, M., Inukai, M., Itoh, H., Hayashi, M. (2007). Snail1 is involved in the renal epithelial-mesenchymal transition. *Biochemical and Biophysical Research Communications*, 362(1), 63–68.
- Yuan, Y., Zhang, F., Wu, J., Shao, C., Gao, Y. (2015). Urinary candidate biomarker discovery in a rat unilateral ureteral obstruction model. *Scientific Reports*, 5, 9314.
- Zainol, M. K., Abd-Hamid, A., Yusof, S., Muse, R. (2003). Antioxidative activity and total phenolic compounds of leaf, root and petiole of four accessions of *Centella asiatica* (L.) Urban. *Food Chemistry*, 81(4), 575–581.
- Zeisberg, M., Neilson, E. G. (2009). Biomarkers for epithelial-mesenchymal transitions. *Journal of Clinical Investigation*, 119(6), 1429–1437.