

DAFTAR PUSTAKA

- Ashwaq, A.-A.S. *et al.*, 2016. Inducing G2/M Cell Cycle Arrest and Apoptosis through Generation Reactive Oxygen Species (ROS)-Mediated Mitochondria Pathway in HT-29 Cells by Dentatin (DEN) and Dentatin Incorporated in Hydroxypropyl-. *International Journal of Molecular Sciences*, 17(10), hal. 1653.
- Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI, 2013. *Riset Kesehatan Dasar*, Jakarta: Percetakan Negara.
- Basile, D. P., Anderson, M. D. & Sutton, T. A., 2012. Pathophysiology of Acute Kidney Injury. *Comprehensive Physiology*, 2(2), hal. 1303-1353.
- Becker, G. J. & Hewitson, T. D., 2013. Animal models of chronic kidney disease: useful but not perfect. *Nephrology Dialysis Transplantation*, Volume 28, hal. 2432-2438.
- Bekedam, E. K., Schols, H. A., Boekel, M. A. J. S. V. & Smit, G., 2008. Incorporation of Chlorogenic Acids in Coffee Brew. *Journal of Agricultural and Food Chemistry*, Volume 56, hal. 2055-2063.
- Bonventre, J. V., 2010. Mechanisms of Acute Kidney Injury and Repair. In: J. A., ed. *Management of Acute Kidney Problems*. s.l.:Springer-Verlag Berlin Heidelberg, hal. 13-20.
- Bonventre, J. V. & Yang, L., 2011. Cellular pathophysiology of ischemic acute kidney injury. *The Journal of Clinical Investigation*, 121(11), hal. 4210-4221.
- Branton, M. H. & Kopp, J., 1999. TGF- β and fibrosis. *Microbes and Infection*, 1(15), hal. 1349-1365.
- Cerda, J. *et al.*, 2008. Epidemiology of Acute Kidney Injury. *Clinical Journal of the American Society of Nephrology*, Volume 3, hal. 881-886.
- Charan, J. & Kantharia, N., 2013. How to calculate sample size in animal studies?. *Journal of Pharmacology and Pharmacotherapeutics*, 4(4), hal. 303-306.
- Chou, Y.-H., Pan, S.-Y., Yang, C.-H. & Lin, S.-L., 2014. Stem cells and kidney regeneration. *Journal of the Formosan Medical Association*, Volume 113, hal. 201-209.
- Day, R. M. & Suzuki, Y. J., 2005. Cell Proliferation, Reactive Oxygen and Cellular Glutathione. *Dose Response*, 3(3), hal. 425-442.

- Domitrovic, R., Cvijanovic, O., Susnic, V. & Katalinic, N., 2014. Renoprotective mechanisms of chlorogenic acid in cisplatin-induced kidney injury. *Toxicology*, Volume 324, hal. 98-107.
- Federer, W. T., 1967. *Experimental Design: Theory and Application*. s.l.:Oxford & IBH Publishing Company.
- Feng, Y. *et al.*, 2016. Chlorogenic acid protects D-galactose-induced liver and kidney injury via antioxidation and anti-inflammation effects in mice. *Pharmaceutical Biology*, 54(6), hal. 1027-1034.
- Guo, Y.-J.*et al.*, 2015. Involvement of TLR2 and TLR9 in the anti-inflammatory effects of chlorogenic acid in HSV-1-infected microglia. *Life Sciences*, Volume 127, hal. 12-18.
- Han, S. J., Kim, J. I., Park, J.-W. & Park, K. M., 2015. Hydrogen sulfide accelerates the recovery of kidney tubules after renal ischemia/reperfusion injury. *Nephrology Dialysis Transplantation*, Volume 30, hal. 1497-1506.
- Heitman, E. & Ingram, D. K., 2017. Cognitive and neuroprotective effects of chlorogenic acid. *Nutritional Neuroscience*, 20(1), hal. 32-39.
- International Society of Nephrology, 2012. Official Journal of the International Society of Nephrology. *Kidney International Supplements*, 2(1).
- Jiang, Y. S. *et al.*, 2013. Epithelial–mesenchymal transition of renal tubules: Divergent processes of repairing in acute or chronic injury?. *Medical Hypotheses*, Volume 81, hal. 73-75.
- Johnson, K. J. & Weinberg, J. M., 1993. Postischemic renal injury due to oxygen radicals. *Current Opinion in Nephrology and Hypertension*, Volume 2, hal. 625-635.
- Kalluri, R. & Weinberg, R. A., 2009. The basics of epithelial mesenchymal transition. *The Journal of Clinical Investigation*, Volume 119, hal. 1420-1428.
- KDIGO (Kidney Disease Improving Global Outcomes), 2017. KDIGO 2017 Clinical Practice Guideline Update for The Diagnosis, Evaluation, Prevention, and Treatment of Chronic Kidney Disease-Mineral and Bone Disorder (CKD-MBD). 7(1).
- Kim, J., Jung, K.-J. & Park, K. M., 2010. Reactive oxygen species differently regulate renal tubular epithelial and interstitial cell proliferation after ischemia and reperfusion injury. *American Journal of Physiology. Renal Physiology*, Volume 298, hal. 1118-1129.

- Kolosova, I., Nethery, D. & Kern, J. A., 2011. Role of Smad2/3 and p38 MAP kinase in TGF- β 1-induced epithelial-mesenchymal transition of pulmonary epithelial cells. *Journal of Cellular Physiology*, 226(5), hal. 1248-1254.
- Kusaba, T. *et al.*, 2014. Differentiated kidney epithelial cells repair injured proximal tubule. *Proceedings of the National Academy of Sciences of the United States of America*, 111(4), hal. 1527-1532.
- Lee, K. & Nelson, C. M., 2012. New Insights into the Regulation of Epithelial-Mesenchymal Transition and Tissue Fibrosis. *International Review of Cell and Molecular Biology*, Volume 294, hal. 171-221.
- Liang, N. & Kitts, D. D., 2015. Role of Chlorogenic Acids in Controlling Oxidative and Inflammatory Stress Conditions. *Nutrients*, 8(1).
- Liu, R.-M. & Desai, L. P., 2015. Reciprocal regulation of TGF- β and reactive oxygen species: A perverse cycle for fibrosis. *Redox Biology*, hal. 565-577.
- Lou, J. *et al.*, 2016. Chlorogenic acid slows down proteinuria and renal fibrosis in 5/6-nephrectomized rats by anti-oxidation and inhibiting accumulation of extracellular matrix. *International Journal of Clinical and Experimental Medicine*, 9(8), hal. 15719-15727.
- Lu, H. *et al.*, 2016. Transforming growth factor- β 1 stimulates hedgehog signaling to promote epithelial-mesenchymal transition after kidney injury. *The FEBS Journal*, Volume 283, hal. 3771-3790.
- Maeshima, A., Nakasatomi, M. & Nojima, Y., 2014. Regenerative Medicine for the Kidney: Renotropic Factors, Renal Stem/Progenitor Cells, and Stem Cell Therapy. *BioMed Research International*, Volume 2014.
- Maga, G. & Hübscher, U., 2003. Proliferating cell nuclear antigen (PCNA): a dancer with many partners. *Journal of Cell Science*, Volume 116, hal. 3051-3060.
- Malek, M. & Nematbakhsh, M., 2015. Renal ischemia/reperfusion injury; from pathophysiology to treatment. *Journal of Renal Injury Prevention*, 4(2), hal. 20-27.
- Meng, X.-M., Nikolic-Paterson, D. J. & Lan, H. Y., 2016. TGF- β : the master regulator of fibrosis. *Nature Reviews Nephrology*, Volume 12, hal. 325-338.
- Meng, X.-M., Tang, P. M.-K., Li, J. & Lan, H. Y., 2015. TGF- β /Smad signaling in renal fibrosis. *Frontiers in Physiology*, Volume 6.
- Mescher, A. L., 2013. *Junqueira's Basic Histology Text & Atlas*. 13th ed. s.l.:McGraw-Hill Education.

- Miao, M. *et al.*, 2017. Protective effect of chlorogenic acid on the focal cerebral ischemia reperfusion rat models. *Saudi Pharmaceutical Journal*, Volume 25, hal. 556-563.
- Moore, K. L., Dalley, A. F. & Agur, A. M., 2014. *Clinically Oriented Anatomy*. 7th ed. Philadelphia: Lippincott Williams & Wilkins.
- Multazam, A., Rini, S. L. S. & Arfian, N., 2017. Chlorogenic Acid Attenuated Inflammatory Response in Kidney Disease with Ischemia Reperfusion Injury. *Advances in Health Sciences Research*, Volume 2.
- Nakopoulou, L. *et al.*, 1997. The value of proliferating cell nuclear antigen (PCNA)/cyclin in the assessment of cell proliferation in glomerulonephritis. *Histology ad Histopathology*, 12(3), hal. 655-662.
- Paget, G. E. & Barnes, J. M., 1964. *Toxicity tests in evaluation of drug activities pharmacometries* (Laurence, D. R. and Bacharach, A. L. eds). London and New York: Academic Press.
- Paller, M., 1994. The cell biology of reperfusion injury in the kidney. *Journal of Investigative Medicine*, 42(4), hal. 632-639.
- Paunesku, T. *et al.*, 2001. International Journal of Radiation Biology. *Proliferating cell nuclear antigen (PCNA): ringmaster of the genome*, 77(10), hal. 1007-1021.
- Paunesku, T. *et al.*, 2001. Proliferating cell nuclear antigen (PCNA): ringmaster of the. *International Journal of Radiation Biology*, 77(10), hal. 1007-1021.
- Perkumpulan Nefrologi Indonesia (PERNEFRI), 2015. *8th Report of Indonesian Renal Registry*, s.l.: s.n.
- Price, P. M., Safirstein, R. L. & Megyesi, J., 2009. The cell cycle and acute kidney injury. *Kidney International*, 76(6), hal. 604-613.
- Rabadi, M. M. & Lee, H. T., 2015. Adenosine Receptors and Renal Ischemia Reperfusion Injury. *Acta Physiologica*, 213(1), hal. 222-231.
- Sahu, K. M. *et al.*, 2012. Repair and recovery of acute kidney injury. *Clinical Queries: Nephrology*, 01(01), hal. 95-98.
- Serrano-Gomez, S. J., Maziveyi, M. & Alahari, S. K., 2016. Regulation of epithelial-mesenchymal transition through epigenetic and post-translational modifications. *Molecular Cancer*, Volume 15, hal. 18.
- Sherwood, L., 2013. *Human Physiology From Cells to Systems*. 7th ed. California: Brooks/Cole.

- Shi, Y. & Massague, J., 2003. Mechanisms of TGF-beta Signaling from Cell Membrane to the Nucleus. *Cell*, Volume 113, hal. 685-700.
- Si, H. *et al.*, 2009. Human and Murine Kidneys Show Gender- and Species Gene Expression Differences in Response to Injury. *PLoS One*, 4(3), hal. e4802.
- Singh, I., Gulati, S., Orak, J. K. & Singh, A. K., 1993. Expression of antioxidant enzymes in rat kidney during ischemia-reperfusion injury. *Molecular and Cellular Biochemistry*, Volume 125, hal. 97-104.
- Skrypnyk, N. I., Harris, R. C. & Caestecker, M. P. d., 2013. Ischemia-reperfusion Model of Acute Kidney Injury and Post Injury Fibrosis in Mice. *Journal of Visualized Experiments*, Volume 78.
- Tennakoon, A. H., Izawa, T., Kuwamura, M. & Yamate, J., 2016. Pathogenesis of Type 2 Epithelial to Mesenchymal Transition (EMT) in Renal and Hepatic Fibrosis. *Journal of Clinical Medicine*, 5(1), hal. 4.
- Tortora, G. J. & Derrickson, B., 2012. *Principles of Anatomy & Physiology*. 13th ed. s.l.:John Wiley & Sons, Inc..
- Vogetseder, A., Karadeniz, A., Kaissling, B. & Hir, M. L., 2005. Tubular cell proliferation in the healthy rat kidney. *Histochemistry and Cell Biology*, 124(2), hal. 97-104.
- Wei, Q. & Dong, Z., 2012. Mouse model of ischemic acute kidney injury: technical notes and tricks. *American Journal of Physiology Renal Physiology*, 303(11), hal. 1487-1494.
- Weiss, A. & Attisano, L., 2013. The TGFbeta Superfamily Signaling Pathway. *WIREs Developmental Biology*, Volume 2, hal. 47-63.
- Wu, C.-C., Chang, C.-Y., Chang, S.-T. & Chen, S.-H., 2016. 17 β -estradiol accelerated renal tubule regeneration in male rats after ischemia/reperfusion-induced acute kidney injury. *Shock*, 46(2), hal. 158-163.
- Yang, H.-C., Zuo, Y. & Fogo, A. B., 2010. Models of chronic kidney disease. *Drug Discovery Today: Disease Models*, 7(1-2), hal. 13-19.
- Yeagy, B. A. & Cherqui, S., 2011. Kidney repair and stem cells: a complex and controversial process. *Pediatric Nephrology*, 26(9), hal. 1427-1434.
- Ye, H.-Y.*et al.*, 2017. Chlorogenic Acid Attenuates Lipopolysaccharide-Induced Acute Kidney Injury by Inhibiting TLR4/NF- κ B Signal Pathway. *Inflammation*, 40(2), hal. 523-529.
- Ye, H.-Y.*et al.*, 2016. The attenuation of chlorogenic acid on oxidative stress for renal. *Archive of Pharmacal Research*, 39(7), hal. 989-997.

- Yun, N., Kang, J.-W. & Lee, S.-M., 2012. Protective effects of chlorogenic acid against ischemia/reperfusion injury in rat liver: molecular evidence of its antioxidant and anti-inflammatory properties. *Journal of Nutritional Biochemistry*, Volume 23, hal. 1249-1255.
- Zhang, J. *et al.*, 2010. Liquid chromatograph/tandem mass spectrometry assay for the simultaneous determination of chlorogenic acid and cinnamic acid in plasma and its application to a pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, Volume 51, hal. 685-690.
- Zhang, Y., Alexander, P. B. & Wang, X.-F., 2017. TGF- β Family Signaling in the Control of Cell Proliferation and Survival. *Cold Spring Harbor Perspectives in Biology*, 9(4).
- Zhang, Y. *et al.*, 2016. GDF11 improves tubular regeneration after acute kidney injury in elderly mice. *Scientific Reports*, Volume 6.
- Zhu, Q.-C., Gao, R.-Y., Wu, W. & Qin, H.-L., 2013. Epithelial Mesenchymal Transition and Its Role in the Pathogenesis of Colorectal Cancer. *Asian Pacific Journal of Cancer Prevention*, 14(5), hal. 2689-2698.