

DAFTAR PUSTAKA

- Ali, R. 2014. Korelasi antara Ekspresi Endothelial Nitric Oxide Synthase (eNOS) dan Remodeling Pembuluh Darah pada Model Fibrosis Ginjal di Mencit (Mus Musculus) dengan Unilateral Ureteral Obstruction. Fakultas Kedokteran Universitas Gadjah Mada.
- Amann, K., Tenyi, G.M.T.M., Simonoviciene, A., Koch, A., Orth, S. And Ritz, E., 2001. Remodeling of resistance arteries in renal failure: effect of endothelin receptor blockade. *Journal of the American Society of Nephrology*, 12(10), pp.2040-2050.
- Arfian, N., Emoto, N., Vignon-Zellweger, N., Nakayama, K., Yagi, K. and Hirata, K.I., 2012. ET-1 deletion from endothelial cells protects the kidney during the extension phase of ischemia/reperfusion injury. *Biochemical and biophysical research communications*, 425(2), pp.443-449.
- Arfian, N., Muflikhah, K., Soeyono, S.K., Sari, D.C., Tranggono, U., Anggorowati, N. and Romi, M.M., 2016. Vitamin D Attenuates Kidney Fibrosis via Reducing Fibroblast Expansion, Inflammation, and Epithelial Cell Apoptosis. *The Kobe journal of medical sciences*, 62(2), p.E38.
- Andrukhova, O., Slavic, S., Zeitz, U., Riesen, S.C., Heppelmann, M.S., Ambrisko, T.D., Markovic, M., Kuebler, W.M. and Erben, R.G., 2013. Vitamin D is a regulator of endothelial nitric oxide synthase and arterial stiffness in mice. *Molecular Endocrinology*, 28(1), pp.53-64.
- Beghetti, M., Black, S.M. and Fineman, J.R., 2005. Endothelin-1 in congenital heart disease. *Pediatric research*, 57, pp.16R-20R.
- Benigni, A., Zoja, C., Corna, D., Orisio, S., Longaretti, L., Bertani, T. and Remuzzi, G., 1993. A specific endothelin subtype A receptor antagonist protects against injury in renal disease progression. *Kidney international*, 44(2), pp.440-444.
- Briet, M. and Burns, K.D., 2012. Chronic kidney disease and vascular remodelling: molecular mechanisms and clinical implications. *Clinical Science*, 123(7), pp.399-416.
- Botham, K.M., Mayes, P.A., Murray, R., Granner, D. and Rodwell, V., 2006. Harper's illustrated Biochemistry.
- Cambodiawan, V. 2015. Korelasi antara Ekspresi Endothelial Nitric Oxide Synthase (eNOS) terhadap Fibrosis Perivaskular dan Interstitial pada Model

Fibrosis Ginjal di Mencit (*Mus Musculus*) dengan Metode Unilateral Ureteral Obstruction (UUO). Fakultas Kedokteran Universitas Gadjah Mada.

Charan, J. and Kantharia, N.D., 2013. How to calculate sample size in animal studies?. *Journal of Pharmacology and Pharmacotherapeutics*, 4(4), p.303.

Dhaun, N., Goddard, J. and Webb, D., 2006. The endothelin system and its antagonism in chronic kidney disease. *Journal of the American Society of Nephrology*, 17(4), pp.943-955.

Donate-Correa, J., Domínguez-Pimentel, V., Muros-de-Fuentes, M., Mora-Fernández, C., Martín-Núñez, E., Cazana-Perez, V. and F Navarro-González, J., 2014. Beneficial effects of selective vitamin D receptor activation by paricalcitol in chronic kidney disease. *Current drug targets*, 15(7), pp.703-709.

Dzau, V.J. and Gibbons, G.H., 1993. Introduction: Vascular Remodeling: Mechanisms and Implications. *Journal of cardiovascular pharmacology*, 21, pp.S1-S5.

Eddy, A.A., 2000. Molecular basis of renal fibrosis. *Pediatric nephrology*, 15(3-4), pp.290-301.

Feihl, F., Liaudet, L., Levy, B.I. and Waeber, B., 2008. Hypertension and microvascular remodelling. *Cardiovascular research*, 78(2), pp.274-285.

Fleming, I. and Busse, R., 2003. Molecular mechanisms involved in the regulation of the endothelial nitric oxide synthase. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 284(1), pp.R1-R12.

Handelman, G.J. and Levin, N.W., 2011. Guidelines for vitamin supplements in chronic kidney disease patients: what is the evidence?. *Journal of Renal Nutrition*, 21(1), pp.117-119.

Hewitson, T.D., Boon, W.C., Simpson, E.R., Smith, E.R. and Samuel, C.S., 2016. Estrogens do not protect, but androgens exacerbate, collagen accumulation in the female mouse kidney after ureteric obstruction. *Life Sciences*, 158, pp.130-136.

Hoher, B., Schwarz, A., Slowinski, T., Bachmann, S., Pfeilschifter, J., Neumayer, H.H. and Bauer, C., 2004. In-vivo interaction of nitric oxide and endothelin. *Journal of hypertension*, 22(1), pp.111-119.

- Hocher, B., Thöne-Reineke, C., Rohmeiss, P., Schmager, F., Slowinski, T., Burst, V., Siegmund, F., Quertermous, T., Bauer, C., Neumayer, H.H. and Schleuning, W.D., 1997. Endothelin-1 transgenic mice develop glomerulosclerosis, interstitial fibrosis, and renal cysts but not hypertension. *Journal of Clinical Investigation*, 99(6), p.1380.
- Imai, T., Hirata, Y., Emori, T., Yanagisawa, M., Masaki, T. and Marumo, F., 1992. Induction of endothelin-1 gene by angiotensin and vasopressin in endothelial cells. *Hypertension*, 19(6 Pt 2), pp.753-757.
- Indonesia, P.N., 2011. 4th Report of Indonesian renal registry.
- Inoue, A., Yanagisawa, M., Takawa, Y., Mitsui, Y., Kobayashi, M. and Masaki, T., 1989. The human preproendothelin-1 gene. Complete nucleotide sequence and regulation of expression. *Journal of Biological Chemistry*, 264(25), pp.14954-14959.
- Kusuma, M.H. 2016. Pengaruh Pemberian Calcitriol terhadap Remodeling Vasa, Ekspresi Endothelin-1 (ET-1), ETAR, dan Endothelial Nitric Oxide Synthase (eNOS) pada Mencit dengan Unilateral Ureteral Obstruction. Fakultas Kedokteran Universitas Gadjah Mada.
- Liu, S., Premont, R.T. and Rockey, D.C., 2014. Endothelial nitric-oxide synthase (eNOS) is activated through G-protein-coupled receptor kinase-interacting protein 1 (GIT1) tyrosine phosphorylation and Src protein. *Journal of Biological Chemistry*, 289(26), pp.18163-18174.
- Liu, Y., 2006. Renal fibrosis: new insights into the pathogenesis and therapeutics. *Kidney international*, 69(2), pp.213-217.
- Martínez-Miguel, P., Valdivielso, J.M., Medrano-Andrés, D., Román-García, P., Cano-Peñalver, J.L., Rodríguez-Puyol, M., Rodríguez-Puyol, D. and López-Ongil, S., 2014. The active form of vitamin D, calcitriol, induces a complex dual upregulation of endothelin and nitric oxide in cultured endothelial cells. *American Journal of Physiology-Endocrinology and Metabolism*, 307(12), pp.E1085-E1096.
- Mescher, A.L., 2012. Histologi Dasar Junqueira: Teks dan Atlas, edisi 12. Jakarta: EGC.
- Mirkovic, K., van den Born, J., Navis, G. and H de Borst, M., 2011. Vitamin D in chronic kidney disease: new potential for intervention. *Current drug targets*, 12(1), pp.42-53.

- Molet, S., Furukawa, K., Maghazechi, A., Hamid, Q. and Giaid, A., 2000. Chemokine-and cytokine-induced expression of endothelin 1 and endothelin-converting enzyme 1 in endothelial cells. *Journal of allergy and clinical immunology*, 105(2), pp.333-338.
- Moore, K.L., Dalley, A.F. and Agur, A.M., 2010. *Clinically oriented anatomy*. Lippincott Williams & Wilkins.
- Nakano, J., Takizawa, H., Ohtoshi, T., Shoji, S., Yamaguchi, M., Ishii, A., Yanagisawa, M. and Ito, K., 1994. Endotoxin and pro-inflammatory cytokines stimulate endothelin-I expression and release by airway epithelial cells. *Clinical & Experimental Allergy*, 24(4), pp.330-336.
- Neugarten, J., 2002. Gender and the progression of renal disease. *Journal of the American Society of Nephrology*, 13(11), pp.2807-2809.
- Ong, A.C., Jowett, T.P., Firth, J.D., Burton, S., Karet, F.E. and Fine, L.G., 1995. An endothelin-1 mediated autocrine growth loop involved in human renal tubular regeneration. *Kidney international*, 48(2), pp.390-401.
- Petruson, K., Stalfors, J., Jacobsson, K.E., Ny, L. and Petruson, B., 2005. Nitric oxide production in the sphenoidal sinus by the inducible and constitutive isozymes of nitric oxide synthase. *Rhinology*, 43(1), pp.18-23.
- Rodriguez, M., Martinez-Moreno, J.M., Rodríguez-Ortiz, M.E., Munoz-Castaneda, J.R. and Almaden, Y., 2011. Vitamin D and vascular calcification in chronic kidney disease. *Kidney and Blood Pressure Research*, 34(4), pp.261-268.
- Schiffrin, E.L., 2012. Vascular remodeling in hypertension mechanisms and treatment. *Hypertension*, 59(2), pp.367-374.
- Sherwood, L., 2012. Fisiologi Manusia: Dari Sel ke Sistem, ed. 2, terjemahan BU Pendiit. Penerbit EGC, Jakarta, pp.116-128.
- Tsukahara, H., Ende, H., Magazine, H.I., Bahou, W.F. and Goligorsky, M.S., 1994. Molecular and functional characterization of the non-isopeptide-selective ETB receptor in endothelial cells. Receptor coupling to nitric oxide synthase. *Journal of Biological Chemistry*, 269(34), pp.21778-21785.
- Ucero, A.C., Benito-Martin, A., Izquierdo, M.C., Sanchez-Niño, M.D., Sanz, A.B., Ramos, A.M., Berzal, S., Ruiz-Ortega, M., Egido, J. and Ortiz, A., 2014. Unilateral ureteral obstruction: beyond obstruction. *International urology and nephrology*, 46(4), pp.765-776.



- Vignon-Zellweger, N., Heiden, S., Miyauchi, T. and Emoto, N., 2012. Endothelin and endothelin receptors in the renal and cardiovascular systems. *Life sciences*, 91(13), pp.490-500.
- Williams, S., Malatesta, K. and Norris, K., 2009. Vitamin D and chronic kidney disease. *Ethnicity & disease*, 19(4 Suppl 5), p.S5.
- Zager, R.A., Johnson, A.C., Andress, D. and Becker, K., 2013. Progressive endothelin-1 gene activation initiates chronic/end-stage renal disease following experimental ischemic/reperfusion injury. *Kidney international*, 84(4), pp.703-712.