

## DAFTAR PUSTAKA

- Abu-Saad & Fraser D. (2010). Maternal Nutrition and Birth Outcomes. *Epidemiol Rev*, 32:5–25.
- Bienertova-Vasku, J. Bienert, P. Zlamal, F. Splichal, Z. Tomandl, J. Tomandlova, M. et al. (2013). Brain-derived neurotrophic factor and ciliary neurotrophic factor in maternal plasma and umbilical cord blood from pre-eclamptic and physiological pregnancies. *Journal of Obstetrics and Gynaecology* , 359–363.
- Birrell, MA. Wong, S. Dekkak, A. de Alba, J. Haj-Yahia, S. & Belvisi, MG. (2006). Role of Matrix Metalloproteinases in the Inflammatory Response in Human Airway Cell-Based Assays and in Models of Airway Disease. *The Journal Of Pharmacology And Experimental Therapeutics* , 741–750.
- Blegen, MB. Kennedy, BC. Thibert, KA. Gewirtz, JC. Tran, PV. & Georgieff, MK. (2013). Multigenerational Effects of Fetal-Neonatal Iron Deficiency on Hippocampal BDNF Signaling. *Physiological Reports* .
- Cederqvist, K. Sorsa , T. Tervahartiala, T. Maisi, P. Reunanen, K. Lassus, P. Andersson, S. (2001). Matrix Metalloproteinase-2,-8, and -9 and TIMP-2 in Tracheal Aspirates From Preterm Infants with Respiratory Distress. *Pediatric* 108 (3)
- Chouthai, NS. Sampers, J. Desai, N. & Smith, GM. (2003). Changes in Neurotrophin Levels in Umbilical Cord Blood From Infants With Different Gestational Ages and Clinical Conditions. *Pediatric Research*, 53 (6).
- Cloherty, JP. Eichenwald, EC. & Stark, AR. (2008). *Manual of Neonatal Care 6th Edition*. USA: Lippincott Williams & Wilkins.
- Coad, J; & Dunstall, M. (2007). *Anatomy and Physiology for Midwives 3rd Edition*. China: Elsevier.
- Cristian, LM; Mitchell, AM; Gillespie, SL; Palettas, M. (2016). Serum brain-derived neurotrophic factor (BDNF) across pregnancy and postpartum: Associations with race, depressive symptoms, and low birth weight. *Psychoneuroendocrinology*, 69-76.
- Cunningham, F. G., Leveno, K. J., Bloom, S. L., Spong, C. Y., Dashe, J. S., Hoffman, B. L., et al. (2014). *Williams Obstetrics* (24 ed.). New York: Mc Graw-Hill Educatio.
- Dahlan, MS. (2016). *Besar Sampel dalam Penelitian Kedokteran dan Kesehatan Seri 2 Edisi 4*. Jakarta: Epidemiologi Indonesia.

- Dahlan, MS. (2016). *Statistik Untuk Kedokteran dan Kesehatan*. Jakarta: Salemba Medika.
- Dhobale, M. (2014). Neurotrophins Role in adverse pregnancy outcome. India
- Dorland, W.A. (2010). Kamus Kedokteran Dorland Edisi 31. (Alih Bahasa :Retna Neary Elseria). Jakarta : EGC
- Eleuterio, NM. Palei, AC. Rangel Machado, JS. Santos, JE. Cavalli, RC. Sandrim,VC. (2015). Positive correlations between circulating adiponectin and MMP2 in preeclampsia pregnant. *Pregnancy Hypertens* ;5(2):205–208.
- Estrada, JA. Contreras, I. Pliego-Rivero, FB. & Otero, GA. (2014). Molecular mechanisms of cognitive impairment in iron deficiency: Alterations in brain-derived neurotrophic factor and Insulinlike growth factor expression and function in the central nervous system. *Nutritional Neuroscience* .
- Fujita, K. Tatsumi, K. Kondoh, E. Chigusa, Y. Mogami, H. Fujii, T. et al. (2011). Differential expression and the anti-apoptotic effect of human placental neurotrophins and their receptors. *Placenta* .
- Fung, J. Gelaye, B.Qiu-Yue Z. Rondon, MB. Sanchez, SE. Barrios, YV. et al. (2015). Association of decreased serum brain-derived neurotrophic factor (BDNF) concentrations in early pregnancy with antepartum depression . *BMC Psychiatry* .
- Furuya, M. Ishida, J. Aoki, I. & Fukamizu, A. (2008). Pathophysiology of placentation abnormalities in pregnancy-induced hypertension. *Vasc Health Risk Manag*, 4 (6), 1301-1313.
- Ganong, WF. (2008). *Buku Ajar Fisiologi Kedokteran*. (Alih Bahasa : Brahm U.Pendit) Jakarta: EGC.
- Ghani,A. Nahar,A. Sultana,N. Khatun,A. Sultana,R. Yusuf,MA. et al. (2014). prediction of gestational age by last menstrual period (LMP) in comparison to ultrasonography (USG). Bangladesh : Shaheed Suhrawardy Medical College.
- Gleason, Chistine A & Jull, Sandra E. (2017). *Avery's Diseases of the Newborn*. Philadelphia: Elsevier.
- Gomella, TL. Cunningham, MD. Eyal, FG. & Tuttle, DJ. (2013). *Neonatology: Management, Procedures, On-Call Problems, Diseases, and Drugs 7th Edition*. USA: McGraw-Hill Education.

- Hauser, SL. (2013). *Neurology in Clinical Medicine*. Unite Stated: Mc Graw Hill Education.
- James, JL. Stone, PR. & Chamley, LW. (2006). The regulation of trophoblast differentiation by oxygen in the first trimester of pregnancy. *Human Reproduction Update*, 12, 137-144.
- Jia-Yu Zhu. Zhan-Jun Pang, MD. Yan-hong Yu, MD. (2012). Regulation of Trophoblast Invasion: The Role of Matrix Metalloproteinases [Rev Obstet Gynecol. 2012;5(3/4):e137-e143 doi: 10.3909/riog0196]. MedReviews, LLC
- Kawamura, K; Kawamura, N; Fukuda, J; Kumaga, J; Hsueh, AJW; Tanaka T. (2007). Regulation of preimplantation embryo development by brain-derived neurotrophic factor. *Developmental Biology*, 311, 147-158.
- Kliegman, RM. Nelson, WE. (2016). *Nelson Textbook of Pediatrics 20th Edition*. Philadelphia: Elsevier.
- Kosim, MS. Yunanto, A. Dewi, R. Sarosa, GI. & Usman, A. (2010). *Buku Ajar Neonatologi Edisi Pertama*. Jakarta: Ikatan Dokter Anak Indonesia.
- Laskowska, Marzena. (2017). Maternal Serum Matrix Metalloproteinase 9 in Pregnancies Complicated by Severe Preeclampsia and/or Intrauterine Fetal Growth Restriction. *MOJ Women's Health*.
- Laskowk, M. & Altered. (2017). Maternal serum matrix metalloproteinases MMP-2, MMP-3, MMP-9, and MMP -13 in severe early – and Late-onset preeclampsia. *Biomed research international*, 9
- Lee, C. An, J. Kim, JH. Kim, ES. Kim, SH. Cho, YK. et al. (2015). Low levels of tissue inhibitor of metalloproteinase-2 at birth may be associated with subsequent development of bronchopulmonary dysplasia in preterm infants. *Korean J Pediatr*, 58 (11), 415-420.
- Lissauer, T. & Fanaroff, AA (2009). *At a Glance Neonatologi*. (Alih Bahasa : Vidhia Umami). Jakarta: Erlangga.
- Lommatzsch, M. Zingler, D. Schunbaeck, K. Schloetcke, K. Zingler, C. Schuff-Werner, P. et al. (2005). The impact of age, weight and gender on BDNF levels in human platelets and plasma. *Neurobiology of Aging*, 115-123.
- Malamitsi-Puchner, A. Nikolaou, K. & Puchner, K. (2006). Intrauterine Growth Restriction, Brain-Sparing Effect, and Neurotrophins. *New York Academy of Sciences*, 293-296.

- Mandel, AL. Ozdener, H. & Utermohlen, V. (2011). Brain-derived Neurotrophic Factor in Human Saliva: ELISA Optimization and Biological Correlates. *J Immunoassay Immunochem* , 18-30.
- Marcdante, KJ. Kliegman, RM. Jenson, HB. & Behrman, RE. (2014). *Nelson Ilmu Kesehatan Anak Esensial Edisi Keenam*. (Alih Bahasa : Ikatan Dokter Anak Indonesia). Indonesia: Elsevier.
- Mayeur, S. Silhol, M. Motrot, E. Barbaux, S. Breton, C. Gabory, A. et al. (2010). Placental BDNF/TrkB Signaling System is Modulated by Fetal Growth Disturbances in Rat and Human. *Placenta* .
- Merchant, SJ; Crocker IP; Baker, PN; Tansinda D; Davidge, ST; Guilbert, LJ. (2004). Matrix metalloproteinase release from placental explants of pregnancies complicated by intrauterine growth restriction. HYPERLINK "<https://www.ncbi.nlm.nih.gov/pubmed/14980311>" \o "Journal of the Society for Gynecologic Investigation." *J Soc Gynecol Investig* , 97-103.
- Montagnana, M. Lippi, G. & Albiero A. (2009). Evaluation of metalloproteinases 2 and 9 and their inhibitors in physiologic and pre-eclamptic pregnancy. *J Clin Lab Anal* ;23(2):88–92.
- Murki, S. & Sharma, D. (2014). Intrauterine Growth Retardation - A Review Article. *Neonatal Biology*, 3 (3).
- Nakamura, K. Martin, KC. Jackson, JK. Beppu, K. Chan-Wook, W. & Thiele, CJ. (2006). Brain-Derived Neurotrophic Factor Activation of TrkB Induces Vascular Endothelial Growth Factor Expression via Hypoxia-Inducible Factor-1A in Neuroblastoma Cells. *American Association for Cancer Research* .
- Nestler, EJ. Hyman, SE. & Malenka, RC. (2009). *Molecular Neuropharmacology: A Foundation for Clinical Neuroscience 2nd Edition*. USA: McGraw-Hill.
- Nissinen, L. & Kähäri, V. (2014). Matrix metalloproteinases in inflammation. *Biochimica et Biophysica Acta* .
- Palei, A.C. Sandrim, V.C. Amaral, L.M. Machado, J.S. Cavalli, R.C. Lacchini, R. et al. (2012). Matrix metalloproteinase-9 polymorphisms affect plasma MMP-9 levels and antihypertensive therapy responsiveness in hypertensive disorders of pregnancy. *Pharmacogenomics J*. 12, 489–498
- Palei, A.C. Sandrim, V.C. Amaral, L.M. Machado, J.S. Cavalli, R.C. Duarte, G. et al. (2012). Association between matrix metalloproteinase (MMP)-2 polymorphisms and MMP-2 levels in hypertensive disorders of pregnancy. *Exp. Mol. Pathol*. 92, 217–221

- Plaks, V. Rinckenberger, J. Dai, J. Flannery, M. Sund, M. Kanasaki, K. et al. (2013). Matrix metalloproteinase-9 deficiency phenocopies features of preeclampsia and intrauterine growth restriction. *PNAS*, 1109-11114.
- Poon, L.C. Nekrasova, E. Anastassopoulos, P. Livanos, P. and Nicolaides, K.H. (2009). First-trimester maternal serum matrix metalloproteinase-9 (MMP-9) and adverse pregnancy outcome. *Prenat. Diagn.* 29, 553–559 20
- Preedy, VR. Watson, RR. & Martin, C. R. (2011). *Handbook of Behavior, Food and Nutrition* (Vol. 1). New York: Springer.
- Reichardt, LF. (2006). Neurotrophin-regulated signalling pathways. *Philosophical Transactions of the Royal Society B*, 361, 1545-1564.
- Russo, W. Russo, M. Daino, D. Freschi, L. Fiore, L. Merlini, S. et al. (2012). Evaluation of brain-derived neurotrophic factor in menstrual blood and its identification in human endometrium. *Journal of gynecological endocrinology*, 18 (6) 492-495
- Sadler, TW. (2015). *Langman's Medical Embryology 13th Edition*. Philadelphia : Wolters Kluwer Health.
- Sagi, I. & Gaffney, JP. (2015). *Matrix Metalloproteinase Biology*. USA: Wiley Blackwell.
- Sahay, AS. Sundrani, DP. & Joshi, SR. (2015). Regional Changes of Placental Vascularization in Preeclampsia: A Review. *International Union of Biochemistry and Molecular Biology*, 67, 619-625.
- Sahay, AS. Sundrani, DP. & Joshi, SR. (2017). Neurotrophins: Role in Placental Growth and Development. In G. Litwack, *Neurotrophins* (pp. 243-260). USA: Elsevier.
- Sahay, AS. Sundrani, DP. Wagh, GN. Mehendale, SS. & Joshi, SR. (2015). Neurotrophin levels in different regions of the placenta and their association with birth outcome and blood pressure. *Placenta* .
- Sastroasmoro, S. & Ismael, S. (2011). *Dasar-dasar Metodologi Klinis*. Jakarta: Sagung Seto.
- Singh, V. (2012). *Textbook of Clinical Embryology*. New Delhi: Elsevier.
- Soetjaningsih dan Ranuh, IGN Gede. (2017). *Tumbuh Kembang Anak Edisi 2*. Jakarta : EGC
- Sundrani, DP. Chavan-Gautam, PM., Pisal, HR. Mehendale, SS. & Joshi, SR. (2012). Matrix Metalloproteinase-1 and -9 in Human Placenta during

Spontaneous Vaginal Delivery and Caesarean Sectioning in Preterm Pregnancy. *PLOS ONE* .

- Takeshita, S. Tokutomi, T. Kawase, H. Nakatani, K. Tsujimoto, H. Kawamura, Y. et al. (2001). Elevated serum levels of matrix metalloproteinase-9 (MMP-9) in Kawasaki disease. *Clin Exp Immunol* , 340-344.
- Tayebjee, MH. Karalis, I. Nadar, S.K. Beevers, D.G. MacFadyen, R.J. and Lip, G.Y. (2005). Circulating matrix metalloproteinase-9 and tissue inhibitors of metalloproteinases-1 and -2 levels in gestational hypertension. *Am. J. Hypertens.* 18, 325–329 19
- Timby, BK. & Smith, NE. (2014). *Introductory Medical - Surgical Nursing 11th Edition*. China: Wolters Kluwer; Lippincott Williams & Walkins.
- Tu, FF. Goldenberg, RL., Tamura, T. Drew, M. Zucker, SJ., & Voss, HF. (1998). Prenatal Plasma Matrix Metalloproteinase-9 Levels to Predict Spontaneous Preterm Birth. *Obstetrics & Gynecology* , 446-449.
- Wang, A. Rana, S. & Karumanchi, SA. (2009). Preeclampsia: The Role of Angiogenic Factors in Pathogenesis. *Physiology*, 24, 147-158.
- Wei, L. Mata, KM. Mazzuca, MQ. & Khalil, RA. (2014). Altered Matrix Metalloproteinase-2 and -9 Expression/Activity Links Placental Ischemia and Anti-angiogenic sFlt-1 to Uteroplacental and Vascular Remodeling and Collagen Deposition in Hypertensive Pregnancy. *Biochem Pharmacol*, 89 (3), 370-385
- Wessels, JM. Wu, L. Leyland, NA. Wang, H. & Foster, WG. (2014). The Brain-Uterus Connection: Brain Derived Neurotrophic Factor (BDNF) and Its Receptor (Ntrk2) Are Conserved in the Mammalian Uterus. *PLOS ONE* .
- Wojcik-Stanaszek, L. Gregor, A. & Zalewska, T. (2011). Regulation of neurogenesis by extracellular matrix and integrins. *Acta Neurobiologiae Experimentalis*, 71, 103-112.
- Yoshida, T. Ishikawa, M. Niitsu, T. Nakazato, M. Watanabe, H. Shiraishi, T. et al. (2012). Decreased Serum Levels of Mature Brain-Derived Neurotrophic Factor (BDNF), but Not Its Precursor proBDNF, in Patients with Major Depressive Disorder. *PLOS ONE*, 7.
- Yusrawati. Rina, G. Indrawati, LN. Machmud, R. (2018). Differences in brain-derived neurotrophic factor between neonates born to mothers with normal and low ferritin. *Asia Pac J Clin Nutr* ;27(2):389-392