

DAFTAR PUSTAKA

- Afzal, N. A., Mark, P. T., Mike, A. T. (2011). Constipation in children. *Ital. J. Pediatr.*, 37 : 28-42.
- Anonim. (2013). Angka kecukupan gizi yang dianjurkan bagi bangsa Indonesia. Peraturan Menteri Kesehatan Republik Indonesia Nomor 75 Tahun 2013.
- Areeshi, M. Y., Haque, S., Panda, A. K., Mandal, R. K. (2013). A serotonin transporter gene (SLC6A4) polymorphism is associated with reduced risk of irritable bowel syndrome in American and Asian population: a meta-analysis. *PLoS One*, 8 : e755-767.
- Atkinson, W., Lockhart, S., Whorwell, P. J., Keevil, B., Houghton, L. A. (2006). Altered 5-hydroxytryptamine signaling in patients with constipation-and diarrhea-predominant irritable bowel syndrome. *Gastroenterology*, 130 : 34-43.
- Bekkali, N. L. H., Van den Berg, M. M., Dijkgraaf, M. G. W., Van Wijk, M. P., Bongers, M. E. J., Liem, O. (2009). Rectal fecal impaction treatment in childhood constipation : enemas versus high dose oral PGE. *Pediatrics*, 124 : e1108-15.
- Bellini, M., Gambaccini, G., Usai-Satta, P., De Bortoli, N., Bertani, L., Marchi, S., Stasi, C. (2015). Irritable bowel syndrome and chronic constipation: Fact and fiction. *World J. Gastroenterol*, 21(40) : 11362-11370.
- Bertrand, P. P., Bertrand, R. L. (2010). Serotonin release and uptake in the gastrointestinal tract. *Auton. Neurosci*, 153 : 47-57.
- Bertrand, R. L., Senadheera, S., Tanoto, A., Tan, K. L., Howitt, L., Chen, H. (2012). Serotonin availability in rat colon is reduced during a Western diet model of obesity. *Am. J. Physiol. Gastrointest Liver Physiol*, 56 : 424-433.
- Biggs, W. S., Dery, W. H. (2006). Evaluation and treatment of constipation in infants and children. *Am. Fam. Physician*, 73 : 469-77, 479-80, 481-482.
- Boccia, G., Manguso, F., Coccorullo, P., Masi, P., Pensabene, L., Staiano, A. (2007). Functional defecation disorders in children: PACCT criteria versus Rome II criteria. *J. Pediatr*, 151(4) : 394-398.
- Boilesena, S. N., Tahan, S., Dias, F. C., Melli, L. C. F., de Moraes. (2016). Water and fluid intake in the prevention and treatment of functional constipation in children and adolescents: is there evidence? *Jornal de Pediatria*, 93(4) : 320-327.
- Bongers, M.E., Marc, A. B., Heleen, M. S., Martha A. G. (2009). Health-related quality of life in young adults with symptoms of constipation continuing from childhood into adulthood. *Health Qual. Life Outcomes*; 7(20) : 1-9.

Borum, M. L. (2001). Constipation: Evaluation and management. *Prim. Care*, 28 : 577-590.

Bradley, L. A. (2009). Pathophysiology of fibromyalgia. *Am. J. Med*, 122(12 Suppl) : S22-30.

Burgers, R., Levin, A.D., Di Lorenzo, C., Dijkgraaf, M. G., Benninga, M. A. (2012). Functional defecation disorders in children: comparing the Rome II with the Rome III criteria. *J. Pediatr*, 161(4) : 615-620.

Castillejo, G., Bullo, M., Anguera, A., Escribano, J., Salas, S. J. (2006). A controlled, randomized, double-blind trial to evaluate the effect of a supplement of cocoa husk that is rich in dietary fiber on colonic transit in constipated pediatric patients. *Pediatrics*, 118 : e641-648.

Chan, A. O., Hui, W. M., Lam, K. F., Leung, G., Yuen, M. F., Lam, S. K. (2007). Familial aggregation in constipated subjects in a tertiary referral centre. *Am. J. Gastroenterol.*, 109 : 149-152.

Chen, S. L., Cai, S. R., Deng, L., Zhang, X. H., Luo, T. D., Peng, J. J. (2014). Efficacy and complications of polyethylene glycols for treatment of constipation in children: a meta-analysis. *Medicine* (Baltimore), 93 : e65.

Cheung, C. K. Y., Wu, J. C. Y. (2014). Genetic polymorphism in pathogenesis of irritable bowel syndrome. *World J. Gastroenterol*, 20(47) : 17693-17698.

Damayanti, W. (2010). Konstipasi pada anak. In: Lubis, B., Ali, M., Yanni, G. N., Trisnawati, Y., Ramayani, O. R., Irsa, L. (Eds), *Kumpulan Naskah Lengkap PIT IV IKA Medan*, pp. 656-665. Medan : USU.

Damayanti, W., Pradini, Zamrina, Juffrie, M. (2012). Perbandingan tatalaksana konstipasi kronis antara disimpaksi per oral dengan per rektal di Instalasi Kesehatan Anak RS DR Sardjito Yogyakarta. *Sari Pediatri*, 14(4) : 224-229.

Dehghani, S. M., Kulouee, N., Honar, N., Imanieh, M. H., Haghghat, M., Javaherizadeh, H. (2015). Clinical manifestations among children with chronic functional constipation. *Middle East J. Dig. Dis.*, 7 : 31-35.

De Lorijn, F., van Wijk, M. P., Reitsma, J. B., van Ginkel, R., Taminiou J. A. J. M, Benninga, M. A. (2004). Prognosis of constipation: clinical factors and colonic transit time. *Arch Dis. Child*, 89 : 723-727.

Devanarayana, N. M., Rajindrajith, S. (2018). Irritable bowel syndrome in children: Current knowledge, challenges and opportunities. *World J. Gastroenterol.*, 24(21) : 2211-2235.

Diederer, K., Mugie, S. M., Benninga, M. A. (2015). Efficacy and safety of prucalopride in adults and children with chronic constipation. *Expert Opin. Pharmacother.*, 16 : 407-416.

Dunlop, S. P., Coleman, N. S., Blackshaw, E., Perkins, A. C., Singh. (2005). Abnormalities of 5-hydroxytryptamine metabolism in irritable bowel syndrome. *Clin. Gastroenterol. Hepatol.*, 3 : 349-357.

Dykes, S., Smilgin-Humprey, S., Bass, C. (2001). Chronic idiopathic constipation: a psychological inquiry. *Euro J. Gastroenterol. Hepatology*, 13 : 39-44.

Endyarni, B., Syarif, B. H. (2004). Konstipasi fungsional. *Sari Pediatri*, 6 (2) : 75-80.

Faigel, D. O. (2002). A clinical approach to constipation. *Clin. Cornerstone*, 4 : 11-21.

Farahmand, F. (2007). A randomised trial of liquid paraffin versus lactulose in the treatment of chronic functional constipation in children. *Acta Med. Iran*, 45 : 183-188.

Farjadian, S., Fakhraei, B., Moeini, M., Nasiri, M., Fattahi, M. R. (2013). Serotonin transporter gene polymorphisms in Southwestern Iranian patients with irritable bowel syndrome. *Arab J. Gastroenterol.*, 14 : 59-62.

Felt, B., Coran, A., Kochhar, P., Marcus, S., Olson, A., Wise, C. (1997). Idiopathic constipation and soiling in children. UMMC Idiopathic Constipation and Soiling Guideline.

Firmansyah, A. (2010). Konstipasi pada anak. In: Juffrie, M., Soenarto, S. S., Oswari, H., Arief, S., Rosalina, I., Mulyani, N. S. (Eds.), *Gastroenterologi-Hepatologi*, pp. 201-213. Jakarta:IDAI.

Ford, A. C., Soares, N. C. (2011). Effect of laxatives and pharmacological therapies in chronic idiopathic constipation: systematic review and meta-analysis. *Gut*, 60 : 209-218.

Frissora, C. L., Koch, K. L. (2005). Symptom overlap and comorbidity of irritable bowel syndrome with other conditions. *Curr. Gastroenterol. Rep.*, 7 : 264-271.

Gonsalkorale, W. M., Perrey, C., Pravica, V., Whorwell, P. J. (2003). Hutchinson IV. Interleukin 10 genotypes in irritable bowel syndrome: evidence for an inflammatory component? *Gut*, 52 : 91-93.

Gordon, M., Naidoo, K., Akobeng, A. K., Thomas, A. G. (2013). Cochrane review: osmotic and stimulant laxatives for the management of childhood constipation. *Evid. Based Child Health*, 8 : 57-109.

Greenwald, B. J. (2010). Clinical practice guidelines for pediatric constipation. *J. Am. Acad. Nurse Pract.*, 22 (7) : 332-338.

Murray, D. K., Granner, V. W., Rodwell, R. K. (2016). Gastrointestinal physiology. In: Guyton, A. C., Hall, J. E. (Eds). *Textbook of Medical Physiology*; 13th. pp. 145-149. Singapore: Elsevier.

Hannah, Juffrie, M., Soenarto, S. Y. (2008). Effectiveness of synbiotics as laxative agent for constipation in children. *Paediatr. Indones.*, 48 (3) : 136-141.

Hocking, L. J., Smith, B. H., Jones, G. T., Reid, D. M., Strachan, D. P., Macfarlane, G. J. (2010). Genetic variation in the beta2-adrenergic receptor but not catecholamine-O-methyltransferase predisposes to chronic pain: results from the 1958 British Birth Cohort Study. *Pain*, 149 : 143-151.

Hoekman, D. R., Benninga, M. A. (2013). Functional constipation in childhood: current pharmacotherapy and future perspectives. *Expert Opin. Pharmacother.* 14 : 41-51.

Houghton, L., Atkinson, W., Whitaker, R., Whorwell, P., Rimmer, M. (2003). Increased platelet depleted plasma 5-hydroxytryptamine concentration following meal ingestion in symptomatic female subjects with diarrhoea predominant irritable bowel syndrome. *Gut*, 52 : 663-670.

Hyman, P. E., Di Lorenzo, C., Prestridge, L. L., Youssef, N. N., Ueno, R. (2014). Lubiprostone for the treatment of functional constipation in children. *J. Pediatr. Gastroenterol. Nutr.*, 58 : 283-291.

Jin, D. C., Cao, H. L., Xu, M. Q., Wang, S. N., Wang, Y. M., Yan, F., *et al.* (2016). Regulation of the serotonin transporter in the pathogenesis of irritable bowel syndrome. *World J. Gastroenterol.*, 22(36) : 8137- 8148.

Jurgens, H. Oster, C., Fereday, J. (2011). Management of chronic functional constipation in children: a review of the literatur. *Neonatal, Paediatric and Child Health Nursing*, 14 : 23-28.

Jurnalis, Y. D., Sarmen, S., Sayoeti, Y. (2013). Konstipasi pada anak. *CKD*, 40(1) : 27-31.

Kadim, M. (2010). Konstipasi fungsional pada anak. Dalam: Lubis, B., Ali, M., Yanni, G. N., Trisnawati, Y., Ramayani, O.R., Irsa, L., *et al.* Kumpulan Naskah Lengkap PIT IV IKA Medan. Pp. 635-638. Medan: USU.

Kantar, F. U., Simsek, I., Ercal, D., Ulgenalp, A., Bora, E. (2013). Alpha-2-adrenergic receptor gene polymorphism in Turkish population with irritable bowel syndrome. *Turk. J. Gastroenterol.*, 24 (6) : 483-488.

Khanna, V., Poddar, U., Yachha, S. K. (2010). Etiology and clinical spectrum of constipation in India children. *J. Indian Pediatric*, 43 : 1-5.

Kim, H. J., Camilleri, M., Carlson, P. J., Cremonini, F., Ferber, I., Stephens, D. (2004). Association of distinct 2 adrenoceptor and serotonin transporter polymorphisms with constipation and somatic symptoms in functional gastrointestinal disorders. *Gut*, 53 : 829-837.

Kushnir, V. M., Cassell, B., Gyawali, C. P., Newberry, R. D., Kibe, P., Nix, B. D., *et al.* (2013). Genetic variation in the beta-2 adrenergic receptor (ADRB2) predicts functional gastrointestinal diagnoses and poorer health-related quality of life. *Aliment. Pharmacol. Ther.*, 38(3) : 313–323.

Kohen, R., Cain, K. C., Mitchell, P. H., Becker, K. J. (2008). Association of serotonin transporter gene polymorphisms with post-stroke depression. *Arch. Gen. Psychiatry*, 65(11) : 1296-1302.

Kohen, R., Jarrett, M. E., Cain, K. C., Jun, S. E., Navaja, G. P., Symonds, S., *et al.* (2009). The serotonin transporter polymorphism rs25531 is associated with irritable bowel syndrome. *Dig Dis Sci*, 54 : 2663-2670.

Kokke, F. T. M., Scholtens, P. A. M. J., Alles, M. S., Decates, T. S., Fiselier, T. J. W., Tolboom, J. J. M. (2008). A dietary fiber mixture versus lactulose in the treatment of childhood constipation: a double-blind randomized controlled trial. *J. Pediatr. Gastroenterol. Nutr.*, 47 : 592-597.

Koppen, I. J. N., Benitez, C. A. V., Benninga, M. A., Lorenzo, C. D., Saps, M. (2015). Using the Bristol Stool Scale and parental report of stool consistency as part of the Rome III criteria for functional constipation in infants and toddlers. *J. Pediatr.*, 177 : 44-48.

Koppen, I. J. N., Benninga, M. A., Tabbers, M. M. (2016). Is there a role for pre-, pro- and synbiotics in the treatment of functional constipation in children? A systematic review. *J. P. G. N.*, 63 (S1) : S27-35.

Koppen, I. J. N., Nurko, S., Saps, M., Di Lorenzo, C., Benninga, M. A. (2017). The pediatric Rome IV criteria: what's new. *Expert Review of Gastroenterology & Hepatology*, 11(3) : 193-201.

Lane MM, Czyzewski DI, Chumpitazi BP, Shulman RJ. 2011. Reliability and validity of a Modified Bristol Stool Form Scale for Children. *J Pediatr*; 159(3): 437–44.

Laugsand, E. A., Skorpen, F., Kaasa, S., Sabatowski, R., Stasser, F., Fayers, P., *et al.* (2015). Genetic and non-genetic factors associated with constipation in cancer patients receiving opioids. *Clinical and Translational Gastroenterology*; 6 (e90) : 1-10.

Lee, D. Y., Park, H., Kim, W. H., Lee, S. I., Seo, Y. J., Choi, Y. C. (2004). Serotonin transporter gene polymorphism in healthy adults and patients with irritable bowel syndrome. *Korean J. Gastroenterol.*, 43 : 18-22.

Li, Y., Nie, Y., Xie, J., Tang, W., Liang, P., Sha, W., *et al.* (2007). The association of serotonin transporter genetic polymorphisms and irritable bowel syndrome and its influence on tegaserod treatment in Chinese patients. *Dig Dis Sci*, 52 : 2942-2949.

Lesch, K. P., Balling, U., Gross, J., Strauss, K., Wolozin, B. L., Murphy, D. L., *et al.* (1994). Organization of the human serotonin transporter gene. *J. Neural Transm. Gen Sect.*, 95 : 157-162.

Lesch, K. P., Bengel, D., Heils, A., Sabol, S. Z., Greenberg, B. D., Petri, S., *et al.* (1996). Association of anxiety-related traits with a polymorphism in the serotonin transporter gene regulatory region. *Science*, 274 : 1527-31.

Levy, E. I., Lemmens, R., Vandenplas, Y., Devreker, T. (2017). Functional constipation in children: challenges and solutions. *Pediatric Health Medicine and Therapeutics*, 8 : 19–27.

Levy, R. L., Jones, K. R., Whitehead, W. E., Feld, S. I., Talley, N. J, Corey, L. A. (2001). Irritable bowel syndrome in twins: heredity and social learning both contribute to etiology. *Gastroenterol*, 121 : 799-804..

Loening-Baucke, V., Miele, E., Staiano, A. (2004). Fiber (glucomannan) is beneficial in the treatment of childhood constipation. *Pediatrics*, 113 : e259–264.

Loening-Baucke, V. (2005). Prevalence, symptoms and outcome of constipation in infants and toddlers. *Journal of Pediatrics*, 146 (3) : 359-363.

Loening-Baucke, V. (2011). Constipation and fecal incontinence. In: Wyllie, R., Hyams, J. S., Kay, M., (Eds). *Pediatric Gastrointestinal and Liver Disease 4th* . Ed., pp. 127-129. Philadelphia: Saunders Elsevier, USA.

Linberg, G., Saeed, H., Peter, M., Ole, T., Luis, B. F., James, G. (2011). Constipation: A global perspective. *J. Clin. Gastroenterol.*, 45(6) : 483-487.

Madiyono., B., Moeslichan, S., Sastroasmoro, S., Budiman, I., Purwanto, S. H. (2011). Perkiraan besar sampel. In : Sastroasmoro, S., Ismael, S. (Eds), *Dasar-dasar metodologi penelitian klinis* 4th Ed., pp. 348-381. Jakarta: Sagung Seto, Indonesia.

Makker, J., Chilmuri, S., Bella, J. N. (2015). Genetic epidemiology of irritable bowel syndrome. *World J Gastroenterol*; 21(40): 11353-61.

Masuo, K., Katsuya, T., Fu, Y., Rakugi, H. (2005). α -Adrenoceptor polymorphisms related to insulin resistance and sympathetic overactivity as early

markes of metabolic disease in nonobese, normotensive individuals. *A. H. J.*, 18 : 1009-14.

Meyers, R. S. (2009). Pediatric fluid and electrolyte therapy. *J. Pediatr. Pharmacol Ther.*, 14(4) : 204-11.

Mimy, Y., Susan, E. L., Tamara, L. W. (2007). ALDH2, ADH1B, and ADH1C genotypes in Asians: A Literature Review. *Alcohol Res. Health*, 30(1): 22–27.

Mohammadi, M., Abdar, H. T., Mollaei, H. R., Hajghani, H., Baneshi, M. R., Hayatbakhsh, M. M. (2017). Serotonin transporter gene (SLC6A4) polymorphism and mucosal serotonin levels in Southeastern Iranian patients with irritable bowel syndrome. *Middle East J. Dig Dis*, 9(1) : 26-32.

Morais, M. B., Vitolo, M. R., Aguirre, A. N., Fagundes, U. (1999). Measurement of low dietary fiber intake as a risk factor for chronic constipation in children. *J. Pediatr. Gastroenterol. Nutr.*, 29 : 132-135.

Morris-Yates, A., Talley, N. J., Boyce, P. M., Nandurkar, S., Andrews, G. (1998). Evidence of a genetic contribution to functional bowel disorder. *Am. J. Gastroenterol.*, 93(8) : 1311-1317.

Mugie, S. M., Benninga, M. A., Di Lorenzo, C. (2011). Epidemiology of constipation in children and adults: a systematic review. *Best Pract. Res. Clin. Gastroenterol.*, 25 : 3–18.

Naka, I., Hikami, K., Nakayama, K., Koga, M., Nishida, N., Kimura, R., *et al.* (2013). *Int. J. of Obesity*, 37 : 1204-1210.

Nasher, O., Hill, R. E., Peeraully, R., Wright, A., Singh, S. J. (2014). Peristeen transanal irrigation system for paediatric faecal incontinence: a single centre experience. *Int. J. Pediatr.*, 20 : 95-99.

NASPGHAN, Constipation Guideline Committee. (2006). Clinical practice guideline Evaluation and treatment of constipation in infants and children: recommendation of the North American Society for Pediatric Gastroenterology, Hepatology and Nutrition. *J. Pediatr. Gastroenterol. Nutr.*, 43 : 1-13.

Niesler, B., Kapeller, J., Fell, C., Atkinson, W., Möller, D., Fischer, C., *et al.* (2010). 5-HTTLPR and STin2 polymorphisms in the serotonin transporter gene and irritable bowel syndrome: effect of bowel habit and sex. *Eur. J. Gastroenterol. Hepatol.*, 22 : 856-861.

Ohman, L., Simren, M. (2010). Pathogenesis of IBS: role of inflammation, immunity and neuroimmune interactions. *Nat. Rev. Gastroenterol. Hepatol.*, 7 : 163-173.

Olaru, C., Diaconescu, S., Trandafir, L., Gimiga, N., Stefanescu, G., Ciubotariu G., *et al.* (2016). Some risk factors of chronic functional constipation identified in a pediatric population sample from Romania. *Gastroenterology Research and Practice*, 3989721 : 1-8.

Osatakul, S., Puetpaiboon, A. (2014). Use of Rome II versus Rome III criteria for diagnosis of functional constipation in young children. *Pediatr. Int.*, 56(1) : 83-88.

Ota, M., Fukushima, H., Kulski, J. K., Inoko, H. (2007). Single nucleotide polymorphism detection by polymerase chain reaction-restriction fragment length polymorphism. *Nat. Protoc.*, 2(11) : 2857-2864.

Otswani, W., Dolan, J., Elitsur, Y. (2010). Familial clustering of habitual constipation: a prospective study in children from West Virginia. *J. Pediatr. Gastroenterol. Nutr.*, 50(3) : 287-289.

Park, J. M., Choi, M. G., Park, J. A., Oh, J. H., Cho, Y. K., Lee, I. S., *et al.* (2006). Serotonin transporter gene polymorphism and irritable bowel syndrome. *Neurogastroenterol. Motil.*, 18 : 995-1000.

Park, C. S., Uhm, J. H. (2012). Polymorphisms of the serotonin transporter gene and G-protein 3 subunit gene in Korean Children with irritable bowel syndrome and functional dyspepsia. *Gut and Liver*, 6 : 223-228.

Pata, C., Erdal, M. E., Derici, E., Yazar, A., Kanik, A., Ulu, O. (2002). Serotonin transporter gene polymorphism in irritable bowel syndrome. *Am.J. Gastroenterol.*, 97(7) : 1780-1784.

Peeters, B., Benninga, M. A., Hennekam, R. C. (2011). Childhood constipation; an overview of genetic studies and associated syndromes. *Best Practice & Research Clinical Gastroenterology.*, 25 : 73-88.

Pettersson, G., Dahlstrom, A., Larsson, I. (1978). The release of serotonin from rat duodenal enterochromaffin cells by adrenoceptor agonists studied in vitro. *Acta Physiol. Scand.*, 103: 219-224.

Philichi, L. (2018). Management of childhood functional constipation. *Journal of Pediatric Health Care*, 32(1) : 103-111.

Pijpers, M. A. M., Bongers, M. E. J., Benninga, M. A., Berger, M. Y. (2010). Functional constipation in children: a systematic review on prognosis and predictive factors. *J. Pediatr. Gastroenterol. Nutr.*, 50 : 256-268.

Putri, W. H., Jurnal, Y. D., Edison. (2015). Hubungan status gizi dengan kejadian konstipasi pada siswa SD di Kecamatan Padang Barat, Sumatera Barat, Indonesia. *C. D. K.*, 42(11) : 807-810.

Quitadamo, P., Coccorullo, P., Giannetti, E., Romano, C., Chiaro, A., Campanozzi, A. (2012). A randomized, prospective, comparison study of a mixture of acacia fiber, psyllium fiber, and fructose vs polyethylene glycol 3350 with electrolytes for the treatment of chronic functional constipation in childhood. *J. Pediatr.*, 161 : 710-715.

Radjindrajith, S., Niranga, M. D., Marc, A. B. (2014). Obesity and functional gastrointestinal diseases in children. *J. Neurogastroenterol. Motil.*, 20(3) : 414-416.

Rafati, M., Karami, H., Salehifar, E., Karimzadeh, A. (2011). Clinical efficacy and safety of polyethylene glycol 3350 versus liquid paraffin in the treatment of pediatric functional constipation. *Daru*, 19 : 154-158.

Rahhal, R. (2008). Functional constipation. In: Kleinman, R. E., Goulet, O. J., Vergani, G. M., Sanderson, I. R., Sherman, P., Shneider, B. L. (Eds), *Pediatric gastrointestinal disease* 5th Ed., pp. 675-681. Hamilton: BC Decker, USA.

Rao, S. S. C., Benninga, M. A., Bharucha, A. E., Chiarioni, G., Di Lorenzo, C., Whitehead, W. E. (2015). ANMS-ESNM position paper and consensus guidelines on biofeedback therapy for anorectal disorders. *Neurogastroenterol. Motil.*, 27 : 594-609.

Rasquin, A., Di Lorenzo, C., Forbes, D., Guiraldes, D., Hyams, J. S., Staiano, A. (2006). Childhood functional gastrointestinal disorders child/adolescent. *Gastroenterology*, 130(5) : 1527-1537.

Ressler, K. J., Nemeroff, C. B. (2000). Role of serotonergic and noradrenergic systems in the pathophysiology of depression and anxiety disorders. *Depression Anxiety*, 12 : 2-19.

Riezzo, G., Chimienti, G., Clemente, C., D'Attoma, B., Orlando, A., Rinaldi, C. M., *et al.* (2017). Colonic transit time and gut peptides in adult patients with slow and normal colonic transit constipation. *Hindawi BioMed Research International*, 3178263 : 1-10.

Saito, Y. A., Locke, G., Zimmerman, J., Holtmann, G., Slusser, J. P., de Andrade, M., *et al.* (2007). A genetic association study of 5-HTT LPR and GN 3 C825T polymorphisms with irritable bowel syndrome. *Neurogastroenterol. Motil.*, 19 : 46570.

Saito, Y. A., Talley, N. J. (2008). Genetics of irritable bowel syndrome. *Am. J. Gastroenterol.*, 103(8) : 2100-2105.

Saito, Y. A., Mitra, N., Mayer, E. A. (2010). Genetic approaches to functional gastrointestinal disorders. *Gastroenterology*, 138 : 1276-1285.

Sharif, F., Crushell, E., O'Driscoll, K., Bourke, B. (2001). Liquid paraffin: a reappraisal of its role in the treatment of constipation. *Arch. Dis. Child.*, 85 : 121-124.

Saito, Y. A., Locke, G. R., Zimmerman, J. M., Holtmann, G., Slusser, J. P., de Andrade, M., *et al.* (2007). A genetic association study of 5-HTT LPR and GNbeta3 C825T polymorphisms with irritable bowel syndrome. *Neurogastroenterol. Motil*, 19 : 465-470.

Salanti, G., Amountza, G., Ntzani, E. E., Ionnidis, J. P. (2005). Hardy-Weinberg equilibrium in genetic association studies: an empirical evaluation of reporting, deviations, and power. *Eur. J. Hum. Genet.*, 13(7) : 840-848.

Sikander, A., Rana, S. V., Sinha, S. K., Prasad, K. K., Arrora, S. K., Sharma, S. K., *et al.* (2009). Serotonin transporter promoter variant: Analysis in Indian IBS patients and control population. *J. Clin. Gastroenterol.*, 43 : 957-961.

Sikander, A., Rana, S. V., Prasad, K. K. (2009). Role of serotonin in gastrointestinal motility and irritable bowel syndrome. *Clin. Chim. Acta*, 403 : 47-55.

Sikander, A., Rana, S. V., Sharma, S. K. (2010). Association of alpha 2A adrenergic gene (ADRA2A) polymorphism with irritable bowel syndrome, microscopic and ulcerative colitis. *Clinica Chim. Acta*, 411 : 59-63.

Smith, R. A., Farnworth, H., Wright, B., Allgar, V. (2009). Are there more bowel symptoms in children with autism compared to normal children and children with other developmental and neurological disorders?: a case control study. *Autism*, 13(4) : 343-355.

Smith, S., Diatchenko, L., Palsson, O., Kanazawa, M., Van Tilburg, M., Maixner, W., *et al.* (2013). Genetic association and meta-analysis implicate the ADRB2 adrenergic receptor gene in Irritable Bowel Syndrome (IBS). *Jpain*. 14: S41.

Spiller, H. A., Winter, M. L., Weber, J.A., Krenzelok, E. P., Anderson, D. L., Ryan, M. L. (2003). Skin breakdown and blisters from senna-containing laxatives in young children. *Ann. Pharmacother.*, 37 : 636-639.

Subijanto, M. S., Firmansyah, A., Juffrie, M., Syarif, B. H., Ranuh, R. G., Athiyyah, A. F., *et al.* (2017). Rekomendasi gangguan saluran cerna fungsional. IDAI : 9-13.

Tabbers, M. M., Boluyt, N., Berger, M. Y., Benninga, M. A. (2010). Constipation in children. *B. M. J. Clin. Evid.*, 4 : 303-307.

Tabbers, M. M., Dilorenzo, C., Berger, M. Y., Faure, C., Langendam, M. W., Nurko, S., *et al.* (2014). Evaluation and treatment of functional constipation in

infants and children: evidence-based recommendations from ESPGHAN and NASPGHAN. *J. Pediatr. Gastroenterol. Nutr.*, 58 : 265-281.

Tabbers, M. M., Benninga, M. A. (2015). Constipation in children: fibre and probiotics. Systematic review 303. *B. M. J. Clin. Evid.* Diunduh dari <http://clinicalevidence.bmj.com/x/systematic-review/0303/overview.html>. Diakses tanggal 3 September 2017.

Tomaszewski, M., Brain, N. J. R., Charchar, F. J., Wang, W. Y. S., Lacka, B. (2002). Essential Hypertension and b2-Adrenergic Receptor Gene Linkage and Association Analysis. *Hypertension*, 40 : 254-259.

Treepongkaruna, S., Simakachorn, N., Pienvichit, P., Varavithya, W., Tongpenyai, Y., Garnier, P. (2014). A randomised, double-blind study of polyethylene glycol 4000 and lactulose in the treatment of constipation in children. *B. M. C. Pediatr.*, 14 : 153-158.

Urganci, N., Akyildiz, B., Polat, T. B. (2005). A comparative study: the efficacy of liquid paraffin and lactulose in management of chronic functional constipation. *Pediatr. Int.*, 47 : 15-19.

Vaipoulou, A., Karamonalis, G., Psaltopoulou, T., Karatzias, G., Gazouli, M. (2014). Molecular basis of irritable bowel syndrome. *World J. Gastroenterol.*, 20(2) : 376-383.

Van Dijk, D. M., Benninga, M. A., Grootenhuis, M. A., Last, B. F. (2010). Prevalence and associated clinical characteristics of behavior problems in constipated children. *Pediatrics* 125(2) : e309-317.

Van den Berg, M. M., Benninga, M. A., Di Lorenzo, C. (2006). Epidemiology of childhood constipation: a systematic review. *Am. J. Gastroenterol.* 101(10) : 2401-2409.

Van der Plas, R. N., Benninga, M. A., Taminiu, J. A., Buller, H. A. (1997). Treatment of defaecation problems in children: the role of education, demystification and toilet training. *Eur. J. Pediatr.*, 156 : 689-692.

Van Der Plas, R. N., Benninga, M. A., Staalman, C. R., Akkermans, L., Redekop, W., Taminiu, J. A. (2000). Megarectum in constipation. *Arch. Dis. Child*, 83(1) : 52-58.

Van Kerkhoven, L. A., Laheij, R. J., Jansen, J. B. (2007). Meta-analysis: a functional polymorphism in the gene encoding for activity of the serotonin transporter protein is not associated with the irritable bowel syndrome. *Aliment. Pharmacol. Ther.*, 26 : 979-986.

Van Wering, H. M., Tabbers, M. M., Benninga, M. A. (2012). Are constipation drugs effective and safe to be used in children? A review of the literature. *Expert Opin. Drug Saf.*, 11 : 71-82.

Vives, A. C., Polanco, I., Trabajo, G. (2005). Case-control study of risk factors associated with constipation. *An Pediatr. (Barc)*, 62 : 340-345.

Wald, A. (2003). Is chronic use of stimulant laxatives harmful to the colon? *J. Clin. Gastroenterol.*, 36 : 386-389.

Wang, B., Wang, Y., Zhang, W., Zhang, Q. Y., Liu, W. T., Jiang, K. (2004). Serotonin transporter gene polymorphism in irritable bowel syndrome. *Zhonghua Nei Ke Za Zhi*, 43 : 439-4341.

Wang, Y., Chang, Y., Chang, Y., Cheng, J., Li, J., Wang, T. (2012). Serotonin transporter gene promoter region polymorphisms and serotonin transporter expression in the colonic mucosa of irritable bowel syndrome patients. *Neurogastroenterol. Motil.*, 24 : 560-5, e254-5.

Weber, T. K., Toporovski, M. S., Tahan, S., Neufeld, C. B., de Moraes, M. B. (2014). Dietary fiber mixture in pediatric patients with controlled chronic constipation. *J. Pediatr. Gastroenterol. Nutr.*, 58: 297-302.

Williams, C. L., Bollella, M., Wynder, E. L. (1995). A new recommendation for dietary fiber in childhood. *Pediatrics*, 96 : 985-988.

Wojtyniak, K., Szajewski, H. (2017). Systematic review: probiotics for functional constipation in children. *Eur. J. Pediatr.*, 176 : 1155-1162.

Yeo, A., Boyd, P., Lumsden, S., Saunders, T., Handley, A., Stubbins, M. (2004). Association between a functional polymorphism in the serotonin transporter gene and diarrhea predominant irritable bowel syndrome in women. *Gut*, 53 : 1452-1458.

Zhang, Z. F., Duan, Z. J., Wang, L. X., Yang, D., Zhao, G., Zhang, L. (2014). The serotonin transporter gene polymorphism (5-HTTLPR) and irritable bowel syndrome: a meta-analysis of 25 studies. *B. M. C. Gastroenterol.*, 14 : 23-27.

Zhao, Y., Yu, Y. B. (2016). Intestinal microbiota and chronic constipation. *Spring*, 5 : 1130-1135.

Zhu, L., Liu, W., Alkhouri, R., Baker, R. D., Bard, J. E., Quigley, E. M., *et al.* (2014). Structural changes in the gut microbiome of constipated patients. *Physiol. Genomics*, 46 : 679-686.

Zintzaras, E. (2010). Impact of Hardy-Weiberg equilibrium deviation on allele based risk effect of genetic association studies and meta analysis. *Eur. J. Epidemiol.*, 25(8) : 553-560.