

DAFTAR PUSTAKA

- Aarts, E. *et al.* (2017) ‘Gut microbiome in ADHD and its relation to neural reward anticipation’, *PLoS ONE*, 12(9), pp. 1–17. doi: 10.1371/journal.pone.0183509.
- Barrett, E. *et al.* (2013) ‘The individual-specific and diverse nature of the preterm infant microbiota’, *Archives of Disease in Childhood - Fetal and Neonatal Edition*, 98(4), pp. F334–F340. doi: 10.1136/archdischild-2012-303035.
- Bercik, P. *et al.* (2011) ‘The intestinal microbiota affect central levels of brain-derived neurotropic factor and behavior in mice’, *Gastroenterology*. W.B. Saunders, 141(2), pp. 599-609.e3. doi: 10.1053/j.gastro.2011.04.052.
- Bercik, P. and Collins, S. M. (2014) ‘The effects of inflammation, infection and antibiotics on the microbiota-gut- Brain axis’, *Advances in Experimental Medicine and Biology*. Springer New York LLC, 817, pp. 279–289. doi: 10.1007/978-1-4939-0897-4_13.
- Bervoets, L. *et al.* (2013) ‘Differences in gut microbiota composition between obese and lean children: A cross-sectional study’, *Gut Pathogens*. BioMed Central, 5(1), pp. 1–10. doi: 10.1186/1757-4749-5-10.
- Bollmann, S. *et al.* (2015) ‘Developmental changes in gamma-aminobutyric acid levels in attention-deficit/hyperactivity disorder’, *Translational Psychiatry*. Nature Publishing Group, 5(6), pp. e589–e589. doi: 10.1038/tp.2015.79.
- Carabotti, M. *et al.* (2015) ‘The gut-brain axis: Interactions between enteric microbiota,

central and enteric nervous systems', *Annals of Gastroenterology*, 28(2), pp. 203–209. Available at:

<http://www.embase.com/search/results?subaction=viewrecord&from=export&id=L603564942>.

Cenit, M. C. *et al.* (2017) 'Gut microbiota and attention deficit hyperactivity disorder: new perspectives for a challenging condition', *European Child and Adolescent Psychiatry*. Springer Berlin Heidelberg, 26(9), pp. 1081–1092. doi: 10.1007/s00787-017-0969-z.

Center for Behavioral Health Statistics and Quality (2016) *2014 National Survey on Drug Use and Health: DSM-5 Changes: Implications for Child Serious Emotional Disturbance (unpublished internal documentation)*., *Substance Abuse and Mental Health Services Administration, Rockville, MD*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK519712/table/ch3.t3/> (Accessed: 22 May 2020).

Cheung, S. G. *et al.* (2019) 'Systematic review of gut microbiota and major depression', *Frontiers in Psychiatry*, 10(FEB). doi: 10.3389/fpsyt.2019.00034.

Chu, S. M. *et al.* (2012) 'The relationship between attention deficit hyperactivity disorder and premature infants in Taiwanese: A case control study', *BMC Psychiatry*, 12, p. 85. doi: 10.1186/1471-244X-12-85.

Cussotto, S. *et al.* (2019) 'Differential effects of psychotropic drugs on microbiome composition and gastrointestinal function', *Psychopharmacology*. Springer Verlag,

236(5), pp. 1671–1685. doi: 10.1007/s00213-018-5006-5.

Dolina, S. *et al.* (2014) ‘Attention-deficit hyperactivity disorder (ADHD) as a pyridoxine-dependent condition: Urinary diagnostic biomarkers’, *Medical Hypotheses*.

Churchill Livingstone, 82(1), pp. 111–116. doi: 10.1016/j.mehy.2013.11.018.

Dominguez-Bello, M. G. *et al.* (2010) ‘Delivery mode shapes the acquisition and structure of the initial microbiota across multiple body habitats in newborns’, *Proceedings of the National Academy of Sciences of the United States of America*.

National Academy of Sciences, 107(26), pp. 11971–11975. doi:

10.1073/pnas.1002601107.

Edden, R. A. E. *et al.* (2012) ‘Reduced GABA concentration in attention-deficit/hyperactivity disorder’, *Archives of General Psychiatry*. American Medical Association, 69(7), pp. 750–753. doi: 10.1001/archgenpsychiatry.2011.2280.

Ende, G. *et al.* (2016) ‘Impulsivity and Aggression in Female BPD and ADHD Patients: Association with ACC Glutamate and GABA Concentrations’,

Neuropsychopharmacology. Nature Publishing Group, 41(2), pp. 410–418. doi:

10.1038/npp.2015.153.

Fayyad, J. *et al.* (2007) ‘Cross-national prevalence and correlates of adult attention-deficit hyperactivity disorder’, *British Journal of Psychiatry*. Cambridge University Press, 190(MAY), pp. 402–409. doi: 10.1192/bjp.bp.106.034389.

Glick-Bauer, M. and Yeh, M.-C. (2014) ‘The Health Advantage of a Vegan Diet:

Exploring the Gut Microbiota Connection’, *Nutrients*. MDPI AG, 6(11), pp. 4822–

4838. doi: 10.3390/nu6114822.

Hawkey, E. and Nigg, J. T. (2014) 'Omega-3 fatty acid and ADHD: Blood level analysis and meta-analytic extension of supplementation trials', *Clinical Psychology Review*. Pergamon, pp. 496–505. doi: 10.1016/j.cpr.2014.05.005.

Jiang, H-y, Zhou Y-y, Zhou G-l, Li Y-c, Yuan J, Li X-h, Ruan B (2018) 'Gut Microbiota Profiles in Treatment-naïve Children with Attention Deficit Hyperactivity Disorder', *Behavioural Brain Research*. doi: 10.1016/j.bbr.2018.03.036

Kaufman, J. *et al.* (1996) 'Diagnostic Interview Kiddie-Sads-Present and Lifetime Version (K-SADS-PL) Version 1 . 0 of October 1996 Permitted Usage', *October*, 135(October), pp. 153–62. doi: 10.1016/j.vetpar.2005.08.001.

Kim, K. M. *et al.* (2018) 'Associations between attention-deficit/hyperactivity disorder symptoms and dietary habits in elementary school children', *Appetite*. Academic Press, 127, pp. 274–279. doi: 10.1016/j.appet.2018.05.004.

Kim, M.-S. *et al.* (2013) 'Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation', *Environmental Microbiology Reports*. John Wiley & Sons, Ltd, 5(5), p. n/a-n/a. doi: 10.1111/1758-2229.12079.

Liu, L. and Zhu, G. (2018) 'Gut-brain axis and mood disorder', *Frontiers in Psychiatry*, 9(MAY), pp. 1–8. doi: 10.3389/fpsy.2018.00223.

Liu, T. and Huang, Z. (2019) 'Evidence-Based Analysis of Neurotransmitter Modulation

- by Gut Microbiota', *Springer Nature Switzerland*, 11837. doi: 10.1007/978-3-030-32962-4.
- Matza, L. S., Paramore, C. and Prasad, M. (2005) 'A review of the economic burden of ADHD', *Cost Effectiveness and Resource Allocation*. BioMed Central, p. 5. doi: 10.1186/1478-7547-3-5.
- Ng, Q. X. *et al.* (2019) 'A Systematic Review of the Role of Prebiotics and Probiotics in Autism Spectrum Disorders', *Medicina*. MDPI AG, 55(5), p. 129. doi: 10.3390/medicina55050129.
- Nowak, P. *et al.* (2015) 'Gut microbiota diversity predicts immune status in HIV-1 infection', *AIDS*. Lippincott Williams and Wilkins, 29(18), pp. 2409–2418. doi: 10.1097/QAD.0000000000000869.
- Org, E. *et al.* (2016) 'Sex differences and hormonal effects on gut microbiota composition in mice', *Gut Microbes*. Taylor and Francis Inc., 7(4), pp. 313–322. doi: 10.1080/19490976.2016.1203502.
- Osgood, P. T. *et al.* (2018) '431 - Antibiotic-Induced Gaba Induces Visceral Hypersensitivity and Alterations in Gut Motility in Murine Models', *Gastroenterology*. Elsevier BV, 154(6), p. S-96-S-97. doi: 10.1016/s0016-5085(18)30765-0.
- Painold, A. *et al.* (2019) 'A step ahead: Exploring the gut microbiota in inpatients with bipolar disorder during a depressive episode', *Bipolar Disorders*. Blackwell Publishing Inc., 21(1), pp. 40–49. doi: 10.1111/bdi.12682.

- Prehn-Kristensen, A. *et al.* (2018) 'Reduced microbiome alpha diversity in young patients with ADHD', *PLoS ONE*, 13(7), pp. 1–19. doi: 10.1371/journal.pone.0200728.
- Qiu, X. *et al.* (2013) 'Faecalibacterium prausnitzii upregulates regulatory T cells and anti-inflammatory cytokines in treating TNBS-induced colitis', *Journal of Crohn's and Colitis*. *J Crohns Colitis*, 7(11). doi: 10.1016/j.crohns.2013.04.002.
- De Ridder, A. and De Graeve, D. (2006) 'Healthcare use, social burden and costs of children with and without ADHD in Flanders, Belgium', *Clinical Drug Investigation*. Springer, 26(2), pp. 75–90. doi: 10.2165/00044011-200626020-00003.
- Saulnier, D. M. *et al.* (2013) 'The intestinal microbiome, probiotics and prebiotics in neurogastroenterology', *Gut Microbes*. Taylor & Francis, 4(1), pp. 17–27. doi: 10.4161/gmic.22973.
- Sharma, A. and Couture, J. (2014) 'A Review of the Pathophysiology, Etiology, and Treatment of Attention-Deficit Hyperactivity Disorder (ADHD)', *Annals of Pharmacotherapy*, 48(2), pp. 209–225. doi: 10.1177/1060028013510699.
- Sokovic Bajic, S. *et al.* (2019) 'GABA-Producing Natural Dairy Isolate From Artisanal Zlatar Cheese Attenuates Gut Inflammation and Strengthens Gut Epithelial Barrier in vitro', *Frontiers in Microbiology*. Frontiers, 10, p. 527. doi: 10.3389/fmicb.2019.00527.
- Stevens, A. J. *et al.* (2020) 'Author Correction: Human gut microbiome changes during a

- 10 week Randomised Control Trial for micronutrient supplementation in children with attention deficit hyperactivity disorder (Scientific Reports, (2019), 9, 1, (10128), 10.1038/s41598-019-46146-3)', *Scientific Reports*, 10(1), pp. 1–12. doi: 10.1038/s41598-020-58141-0.
- Strandwitz, P. (2018) 'Neurotransmitter modulation by the gut microbiota', *Brain Research*, 1693, pp. 128–133. doi: 10.1016/j.brainres.2018.03.015.
- Sudo, N. *et al.* (2004) 'Postnatal microbial colonization programs the hypothalamic-pituitary-adrenal system for stress response in mice', *Journal of Physiology. J Physiol*, 558(1), pp. 263–275. doi: 10.1113/jphysiol.2004.063388.
- Szopinska-Tokov, J. *et al.* (2020) 'Investigating the gut microbiota composition of individuals with attention-deficit/hyperactivity disorder and association with symptoms', *Microorganisms*, 8(3), pp. 1–14. doi: 10.3390/microorganisms8030406.
- Tengeler, A. C. *et al.* (2020) 'Gut microbiota from persons with attention-deficit/hyperactivity disorder affects the brain in mice', *Microbiome*. *Microbiome*, 8(1), pp. 1–14. doi: 10.1186/s40168-020-00816-x.
- Thomas, R. *et al.* (2015) 'Prevalence of attention-deficit/hyperactivity disorder: A systematic review and meta-analysis', *Pediatrics*. American Academy of Pediatrics, pp. e994–e1001. doi: 10.1542/peds.2014-3482.
- Thursby, E. and Juge, N. (2017) 'Introduction to the human gut microbiota.', *The Biochemical journal*, 474(11), pp. 1823–1836. doi: 10.1042/BCJ20160510.

- Verlaet, A. A. J. *et al.* (2014) 'Nutrition, immunological mechanisms and dietary immunomodulation in ADHD', *European Child and Adolescent Psychiatry*. Dr. Dietrich Steinkopff Verlag GmbH and Co. KG, pp. 519–529. doi: 10.1007/s00787-014-0522-2.
- Wan, L. *et al.* (2020) 'Case-Control Study of the Effects of Gut Microbiota Composition on Neurotransmitter Metabolic Pathways in Children With Attention Deficit Hyperactivity Disorder', *Frontiers in Neuroscience*, 14(February), pp. 1–9. doi: 10.3389/fnins.2020.00127.
- Wang, L. J. *et al.* (2020) 'Gut microbiota and dietary patterns in children with attention-deficit/hyperactivity disorder', *European Child and Adolescent Psychiatry*. Springer Berlin Heidelberg, 29(3), pp. 287–297. doi: 10.1007/s00787-019-01352-2.
- Xu, G. *et al.* (2018) 'Twenty-Year Trends in Diagnosed Attention-Deficit/Hyperactivity Disorder Among US Children and Adolescents, 1997-2016', *JAMA network open*. NLM (Medline), 1(4), p. e181471. doi: 10.1001/jamanetworkopen.2018.1471.
- Yan, Y. *et al.* (2015) 'Dopamine controls systemic inflammation through inhibition of NLRP3 inflammasome', *Cell*. Cell Press, 160(1–2), pp. 62–73. doi: 10.1016/j.cell.2014.11.047.
- Yunes, R. A. *et al.* (2016) 'GABA production and structure of gadB / gadC genes in Lactobacillus and Bifidobacterium strains from human microbiota', *Anaerobe*, 42, pp. 197–204. doi: 10.1016/j.anaerobe.2016.10.011.
- Zhang, T. *et al.* (2019) 'Association of Cesarean Delivery With Risk of

Neurodevelopmental and Psychiatric Disorders in the Offspring', *JAMA Network Open*. American Medical Association, 2(8), p. e1910236. doi:
10.1001/jamanetworkopen.2019.10236.