

## DAFTAR PUSTAKA

- Ahmadipour, S., Fallahi, A. and Rahmani, P. (2020) 'Probiotics for infantile colic', *Clinical Nutrition Experimental*, 31, pp. 1 – 7. doi: 10.1016/j.yclnex.2020.04.001.
- Ahn, E. and Kang, H. (2018) 'Introduction to systematic review and meta-analysis', *Korean Journal of Anesthesiology*, 71(2), p. 103. doi: 10.4097/KJAE.2018.71.2.103.
- Alves-Santos, A. M. *et al.* (2020) 'Prebiotic effect of dietary polyphenols: A systematic review', *Journal of Functional Foods*, 74, p. 104169. doi: 10.1016/J.JFF.2020.104169.
- Badri, M. *et al.* (2023) 'From good sleep to health and to quality of life – a path analysis of determinants of sleep quality of working adults in Abu Dhabi', *Sleep Science and Practice* 2023 7:1, 7(1), pp. 1–13. doi: 10.1186/S41606-023-00083-3.
- Baiao, R. *et al.* (2023) 'Multispecies probiotic administration reduces emotional salience and improves mood in subjects with moderate depression: a randomised, double-blind, placebo-controlled study', *Psychological medicine*, 53(8 CC-Complementary Medicine), p. 3437-3447. doi: 10.1017/S003329172100550X.
- Berhanu, Hiwot, Andualem Mossie, Samuel Tadesse, and Daniel Geleta. (2018) 'Prevalence and Associated Factors of Sleep Quality among Adults in Jimma Town, Southwest Ethiopia: A Community-Based Cross-Sectional Study.' *Sleep Disorders* 2018(1):8342328.
- Boehme, M. *et al.* (2023) 'Bifidobacterium longum subsp. longum Reduces Perceived Psychological Stress in Healthy Adults: An Exploratory Clinical Trial.', *Nutrients*, 15(14). doi: 10.3390/nu15143122.
- Braga, Jason D., Masubon Thongngam, and Thanutchaporn Kumrungsee. (2024) 'Gamma-Aminobutyric Acid as a Potential Postbiotic Mediator in the Gut–Brain Axis.' *Npj Science of Food* 8(1).
- Brando-Garrido, Cecilia, Javier Montes-Hidalgo, Joaquín T. Limonero, María J. Gómez-Romero, and Joaquín Tomás-Sábado. (2022) 'Spanish Version of the Bedtime Procrastination Scale: Cross-Cultural Adaptation and Psychometric Evaluation in a Sample of Nursing Students.' *Psychological Reports* 125(3):1765–79
- Breit, Sigrid, Aleksandra Kupferberg, Gerhard Rogler, and Gregor Hasler. (2018).

- ‘Vagus Nerve as Modulator of the Brain–Gut Axis in Psychiatric and Inflammatory Disorders.’ *Frontiers in Psychiatry* 9(MAR):1. doi: 10.3389/FPSYT.2018.00044.
- Browne, P. D. *et al.* (2019) ‘Probiotics in pregnancy: protocol of a double-blind randomized controlled pilot trial for pregnant women with depression and anxiety (PIP pilot trial)’, *Trials*, 20(1). doi: 10.1186/S13063-019-3389-1.
- Buysse, D. J. *et al.* (1989) ‘The Pittsburgh sleep quality index: A new instrument for psychiatric practice and research’, *Psychiatry Research*, 28(2), pp. 193–213. doi: 10.1016/0165-1781(89)90047-4.
- Campbell, I. G. (2009) ‘EEG Recording and Analysis for Sleep Research’, *Current protocols in neuroscience / editorial board, Jacqueline N. Crawley ... [et al.]*, CHAPTER(SUPPL.49), p. Unit10.2. doi: 10.1002/0471142301.NS1002S49.
- Capitão, Liliana P., Rita Baião, Hee K. Baek, Nils Kappelmann, Rachel Sharman, Christopher-James Harvey, Paul Montgomery, and Philip W. J. Burnet. (2020) ‘Prebiotic Supplementation Does Not Affect Reading and Cognitive Performance in Children: A Randomised Placebo-Controlled Study.’ *Journal of Psychopharmacology* 34(1):148 – 152. doi: 10.1177/0269881119862534.
- Carpenter, J. S. and Andrykowski, M. A. (1998) ‘Psychometric evaluation of the pittsburgh sleep quality index’, *Journal of Psychosomatic Research*, 45(1), pp. 5–13. doi: 10.1016/S0022-3999(97)00298-5.
- Chaput, J. P. (2019) ‘The integration of pediatric sleep health into public health in Canada’, *Sleep Medicine*, 56, pp. 4–8. doi: 10.1016/J.SLEEP.2018.06.009.
- Chaput, J. P. and Shiau, J. (2019) ‘Routinely assessing patients’ sleep health is time well spent’, *Preventive Medicine Reports*, 14. doi: 10.1016/J.PMEDR.2019.100851.
- Chen, Y. M. *et al.* (2014) ‘Fucoidan supplementation improves exercise performance and exhibits anti-fatigue action in mice’, *Nutrients*, 7(1), pp. 239–252. doi: 10.3390/NU7010239.
- Chi, A. *et al.* (2015) ‘Anti-fatigue activity of a novel polysaccharide conjugates from Ziyang green tea’, *International journal of biological macromolecules*, 80, pp. 566–572. doi: 10.1016/J.IJBIOMAC.2015.06.055.
- Chou, C. A. *et al.* (2020) ‘Comparison of single-channel EEG, actigraphy, and sleep diary in cognitively normal and mildly impaired older adults’, *Sleep Advances: A Journal of the Sleep Research Society*, 1(1), pp. 1–12. doi: 10.1093/SLEEPADVANCES/ZPAA006.

- Chu, A. *et al.* (2023) 'Daily consumption of *Lactobacillus gasseri* CP2305 improves quality of sleep in adults – A systematic literature review and meta-analysis', *Clinical Nutrition*, 42(8), pp. 1314 – 1321. doi: 10.1016/j.clnu.2023.06.019.
- Colten, H. R. and Altevogt, B. M. (2006) 'Sleep Disorders and Sleep Deprivation: An Unmet Public Health Problem', *Sleep Disorders and Sleep Deprivation: An Unmet Public Health Problem*, pp. 1–404. doi: 10.17226/11617.
- Crittenden, R. G. and Playne, M. J. (1996) 'Production, properties and applications of food-grade oligosaccharides', *Trends in Food Science & Technology*, 7(11), pp. 353–361. doi: 10.1016/S0924-2244(96)10038-8.
- Cryan, J. F. *et al.* (2019) 'The microbiota-gut-brain axis', *Physiological Reviews*, 99(4), pp. 1877–2013. doi: 10.1152/PHYSREV.00018.2018.
- Dalile, B. *et al.* (2019) 'The role of short-chain fatty acids in microbiota-gut-brain communication', *Nature reviews. Gastroenterology & hepatology*, 16(8), pp. 461–478. doi: 10.1038/S41575-019-0157-3.
- Davoodabadi, A., Rohani, S. H. and Hajian, A. (2021) 'Effects of the oral probiotics to control pain and stress disorders of cyclical mastalgia associated with fibrocystic breast changes; a randomised controlled trial', *International Journal of Surgery Open*, 33, p. 100358. doi: 10.1016/j.ijso.2021.100358.
- Deng, H. *et al.* (2020) 'Efficacy of probiotics on cognition, and biomarkers of inflammation and oxidative stress in adults with Alzheimer's disease or mild cognitive impairment - a meta-analysis of randomized controlled trials', *Ageing*, 12(4), pp. 4010–4039. doi: 10.18632/AGING.102810.
- Deguchi, Yasuhiko, Shinichi Iwasaki, Hideyuki Ishimoto, Koichiro Ogawa, Yuichi Fukuda, Tomoko Nitta, Tomoe Mitake, Yukako Nogi, and Koki Inoue. (2017) 'Relationships between Temperaments, Occupational Stress, and Insomnia among Japanese Workers', *PLoS ONE* 12(4).
- Diekelmann, S. (2014) 'Sleep for cognitive enhancement', *Frontiers in Systems Neuroscience*, 8(1 APR). doi: 10.3389/FNSYS.2014.00046.
- Egger, M. *et al.* (1997) 'Bias in meta-analysis detected by a simple, graphical test', *BMJ*, 315(7109), pp. 629–634. doi: 10.1136/BMJ.315.7109.629.
- Fabbri, M. *et al.* (2021) 'Measuring Subjective Sleep Quality: A Review', *International Journal of Environmental Research and Public Health*, 18(3), pp. 1–57. doi: 10.3390/IJERPH18031082.
- FAO/WHO [the Food and Agriculture Organization of the United Nations and the World Health Organization]. (2002). Guidelines for the Evaluation of Probiotics

in Food. <http://www.fao.org/es/ESN/Probio/probio.htm> [Accessed 6th September 2023].

- Fei, Y. *et al.* (2023) 'Probiotic intervention benefits multiple neural behaviors in older adults with mild cognitive impairment', *Geriatric Nursing*, 51, pp. 167–175. doi: 10.1016/j.gerinurse.2023.03.006.
- Field, A. P. and Gillett, R. (2010) 'How to do a meta-analysis', *British Journal of Mathematical and Statistical Psychology*, 63(3), pp. 665–694. doi: 10.1348/000711010X502733.
- Firth, J. *et al.* (2019) 'Effects of Probiotics on Cognitive Reactivity, Mood, and Sleep Quality', *Frontiers in Psychiatry* / [www.frontiersin.org](http://www.frontiersin.org), 1, p. 164. doi: 10.3389/fpsy.2019.00164.
- Fijan, Sabina. (2014) 'Microorganisms with Claimed Probiotic Properties: An Overview of Recent Literature.' *International Journal of Environmental Research and Public Health*, 11(5):4745.
- Garvey, W. T. (2022) 'Is Obesity or Adiposity-Based Chronic Disease Curable: The Set Point Theory, the Environment, and Second-Generation Medications', *Endocrine Practice*, 28(2), pp. 214 – 222. doi: 10.1016/j.eprac.2021.11.082.
- Geng, P. *et al.* (2017) 'Antifatigue Functions and Mechanisms of Edible and Medicinal Mushrooms', *BioMed Research International*, 2017. doi: 10.1155/2017/9648496.
- Geng, Yaoguo, Jingjing Gu, Jing Wang, and Ruiping Zhang. (2021) 'Smartphone Addiction and Depression, Anxiety: The Role of Bedtime Procrastination and Self-Control', *Journal of Affective Disorders*, 293:415–21.
- Gibson, G. R. (1999) 'Dietary Modulation of the Human Gut Microflora Using the Prebiotics Oligofructose and Inulin', *The Journal of Nutrition*, 129(7), pp. 1438S-1441S. doi: 10.1093/JN/129.7.1438S.
- Gibson, G. R. *et al.* (2017) 'Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics', *Nature Reviews Gastroenterology & Hepatology* 2017 14:8, 14(8), pp. 491–502. doi: 10.1038/nrgastro.2017.75.
- Gopalakrishnan, S. and Ganeshkumar, P. (2013) 'Systematic Reviews and Meta-analysis: Understanding the Best Evidence in Primary Healthcare', *Journal of Family Medicine and Primary Care*, 2(1), p. 9. doi: 10.4103/2249-4863.109934.

- Grajek, W., Olejnik, A. and Sip, A. (2005) 'Probiotics, prebiotics and antioxidants as functional foods.', *Acta Biochimica Polonica*, 52(3), pp. 665–671. doi: 10.18388/ABP.2005\_3428.
- Grewal, D., Puccinelli, N. and Monroe, K. B. (2018) 'Meta-analysis: integrating accumulated knowledge', *Journal of the Academy of Marketing Science*, 46(1), pp. 9–30. doi: 10.1007/S11747-017-0570-5.
- Gulewicz, P. *et al.* (2000) 'Simple method of isolation and purification of  $\alpha$ -galactosides from legumes', *Journal of Agricultural and Food Chemistry*, 48(8), pp. 3120–3123. doi: 10.1021/JF000210V.
- Haarhuis, J. E., Kardinaal, A. and Kortman, G. A. M. (2022) 'Probiotics, prebiotics and postbiotics for better sleep quality: a narrative review', *Beneficial microbes*, 13(3), pp. 169–182. doi: 10.3920/BM2021.0122.
- Harnett, Joanna E *et al.* (2021) 'Probiotic supplementation elicits favourable changes in muscle soreness and sleep quality in rugby players.', *Journal of science and medicine in sport*, 24(2), pp. 195–199. doi: 10.1016/j.jsams.2020.08.005.
- Hirshkowitz, M. *et al.* (2015) 'National Sleep Foundation's sleep time duration recommendations: methodology and results summary', *Sleep health*, 1(1), pp. 40–43. doi: 10.1016/J.SLEH.2014.12.010.
- Horvath, A. *et al.* (2023) 'A Probiotic to Improve Sleep Quality during COVID-19 Pandemic: A Questionnaire Study', *Journal of Biotechnology and Biomedicine*, 6, pp. 80–91. doi: 10.26502/jbb.2642-91280073.
- Irwin, C. *et al.* (2020) 'Effects of probiotics and paraprobiotics on subjective and objective sleep metrics: a systematic review and meta-analysis', *European journal of clinical nutrition*, 74(11), pp. 1536–1549. doi: 10.1038/S41430-020-0656-X.
- Iskander, Andrew, Trevor Jairam, Christine Wang, Brian J. Murray, and Mark I. Boulos. (2023) 'Normal Multiple Sleep Latency Test Values in Adults: A Systematic Review and Meta-Analysis', *Sleep Medicine* 109:143–48. doi: 10.1016/J.SLEEP.2023.06.019.
- Jones, KE, R. Evans, L. Forbes. (2020) 'Research on Freshman and Sleeping Habits: A Text Message-Based Sleep Intervention.' *Journal of American College Health*, 68(8):864–71.
- Kang-Hanyang. (2015) "Statistical Considerations in Meta-Analysis." *Medical Reviews*, 35, 23-32.

- Kang, Y., Kang, X. and Cai, Y. (2022) 'The gut microbiome as a target for adjuvant therapy in insomnia disorder', *Clinics and Research in Hepatology and Gastroenterology*, 46(1), p. 101834. doi: 10.1016/J.CLINRE.2021.101834.
- Kaur, S., Sharma, P., Mayer, M.J. et al. (2023). Beneficial effects of GABA-producing potential probiotic *Limosilactobacillus fermentum* L18 of human origin on intestinal permeability and human gut microbiota. *Microb Cell Fact* 22, 256. <https://doi.org/10.1186/s12934-023-02264-2>
- Khakim, Z. and Kusrohmaniah, S. (2021) 'Dasar - Dasar Electroencephalography (EEG) bagi Riset Psikologi', *Buletin Psikologi*, 29(1), pp. 92–115. doi: 10.22146/BULETINPSIKOLOGI.52328.
- Khalesi, S. et al. (2018) 'A review of probiotic supplementation in healthy adults: helpful or hype?', *European Journal of Clinical Nutrition* 2018 73:1, 73(1), pp. 24–37. doi: 10.1038/s41430-018-0135-9.
- Khan, K. S. et al. (2003) 'Five steps to conducting a systematic review', *Journal of the Royal Society of Medicine*, 96(3), pp. 118–121. doi: 10.1258/jrsm.96.3.118.
- Kinoshita, T. et al. (2021) 'Consumption of OLL1073R-1 yogurt improves psychological quality of life in women healthcare workers: secondary analysis of a randomized controlled trial.', *BMC gastroenterology*, 21(1), p. 237. doi: 10.1186/s12876-021-01793-7.
- Kingma, Diederik P. and Jimmy Lei Ba. (2015) 'Adam: A Method for Stochastic Optimization.' 3rd International Conference on Learning Representations, ICLR 2015 - Conference Track Proceedings.
- Koutsos, T. M., Menexes, G. C. and Dordas, C. A. (2019) 'An efficient framework for conducting systematic literature reviews in agricultural sciences', *Science of The Total Environment*, 682, pp. 106–117. doi: 10.1016/J.SCITOTENV.2019.04.354.
- Krystal, A. D. and Edinger, J. D. (2008) 'Measuring sleep quality', *Sleep Medicine*, 9(SUPPL. 1). doi: 10.1016/S1389-9457(08)70011-X.
- Kurdi, M. et al. (2021) 'Use of a non-invasive biomarker salivary alpha-Amylase to assess the role of probiotics in sleep regulation and stress attenuation in surgical patients: A randomised double-blind clinical trial', *Indian Journal of Anaesthesia*, 65(5), pp. 390 – 397. doi: 10.4103/ija.IJA\_1498\_20.
- Lao, X. Q. et al. (2018) 'Sleep Quality, Sleep Duration, and the Risk of Coronary Heart Disease: A Prospective Cohort Study With 60,586 Adults', *Journal of Clinical Sleep Medicine*, 14(1), pp. 109–117. doi: 10.5664/JCSM.6894.



- Lee, H. J. *et al.* (2021) 'Effects of Probiotic NVP-1704 on Mental Health and Sleep in Healthy Adults: An 8-Week Randomized, Double-Blind, Placebo-Controlled Trial.', *Nutrients*, 13(8). doi: 10.3390/nu13082660.
- Lee, L.-H. *et al.* (2022) 'IDDF2022-ABS-0241 Exploring the potential role of probiotics in alleviating insomnia', *Gut*, 71(Suppl 2), pp. A65–A65. doi: 10.1136/GUTJNL-2022-IDDF.77.
- Lei, M. *et al.* (2018) 'Oral administration of probiotic *Lactobacillus casei* Shirota relieves pain after single rib fracture: A randomized double-blind, placebo-controlled clinical trial', *Asia Pacific Journal of Clinical Nutrition*, 27(6), pp. 1252 – 1257. doi: 10.6133/apjcn.201811\_27(6).0012.
- Liao, Chen Yi, Chi Hsiang Chung, Kuo Cheng Lu, Cheng Yi Cheng, Sung Sen Yang, Wu Chien Chien, and Chia Chao Wu. (2020) 'Taking Sleeping Pills and the Risk of Chronic Kidney Disease: A Nationwide Population-Based Retrospective Cohort Study', *Frontiers in Pharmacology* 11.
- Li, H. *et al.* (2023) 'Investigations of a combination of atopic status and age of asthma onset identify asthma subphenotypes', *Journal of Asthma*, 60(10), pp. 1843 – 1852. doi: 10.1080/02770903.2023.2193634.
- Li, L. *et al.* (2022) 'Efficacy and Safety of *Lactobacillus reuteri* CCFM1040 in Allergic Rhinitis and Asthma: A Randomized, Placebo-Controlled Trial', *Frontiers in Nutrition*, 9. doi: 10.3389/fnut.2022.862934.
- Lin, Lifeng, and Haitao Chu. (2018) 'Quantifying Publication Bias in Meta-Analysis', *Biometrics* 74(3):785. doi: 10.1111/BIOM.12817.
- Liu, J. *et al.* (2015) 'Anti-fatigue activities of polysaccharides extracted from *Hericium erinaceus*', *Experimental and therapeutic medicine*, 9(2), pp. 483–487. doi: 10.3892/ETM.2014.2139.
- Liu, Y. *et al.* (2016) 'Prevalence of Healthy Sleep Duration among Adults--United States, 2014', *MMWR. Morbidity and mortality weekly report*, 65(6), pp. 137–141. doi: 10.15585/MMWR.MM6506A1.
- Lustenberger, Caroline, Michael R. Boyle, A. Alban Foulser, Juliann M. Mellin, and Flavio Fröhlich. (2015) 'Functional Role of Frontal Alpha Oscillations in Creativity', *Cortex* 67:74–82.
- Ma, T. *et al.* (2021) 'Probiotic consumption relieved human stress and anxiety symptoms possibly via modulating the neuroactive potential of the gut microbiota', *Neurobiology of stress*, 14. doi: 10.1016/J.YNSTR.2021.100294.

- Lo Martire, V. *et al.* (2020) 'Stress & sleep: A relationship lasting a lifetime', *Neuroscience and biobehavioral reviews*, 117, pp. 65–77. doi: 10.1016/J.NEUBIOREV.2019.08.024.
- Madan Jha, Vibha. (2023) 'The Prevalence of Sleep Loss and Sleep Disorders in Young and Old Adults,' *Aging Brain* 3:100057.
- Maski, K. P. and Kothare, S. V. (2013) 'Sleep deprivation and neurobehavioral functioning in children', *International journal of psychophysiology : official journal of the International Organization of Psychophysiology*, 89(2), pp. 259–264. doi: 10.1016/J.IJPSYCHO.2013.06.019.
- Matenchuk, B. A., Mandhane, P. J. and Kozyrskyj, A. L. (2020) 'Sleep, circadian rhythm, and gut microbiota', *Sleep Medicine Reviews*, 53, p. 101340. doi: 10.1016/J.SMRV.2020.101340.
- Matsuura, N. *et al.* (2022) 'Effects of Lactococcus lactis subsp. cremoris YRC3780 daily intake on the HPA axis response to acute psychological stress in healthy Japanese men', *European Journal of Clinical Nutrition*, 76(4), pp. 574 – 580. doi: 10.1038/s41430-021-00978-3.
- Memar, Pejman, and Farhad Faradji. (2018) 'A Novel Multi-Class EEG-Based Sleep Stage Classification System,' *IEEE Transactions on Neural Systems and Rehabilitation Engineering: A Publication of the IEEE Engineering in Medicine and Biology Society* 26(1):84–95. doi: 10.1109/TNSRE.2017.2776149.
- Mohamed, H. *et al.* (2023) 'Investigating the relationship of sleep quality and psychological factors among Health Professions students', *International Journal of Africa Nursing Sciences*, 19, p. 100581. doi: 10.1016/j.ijans.2023.100581.
- Moher, D. *et al.* (2010) 'Preferred reporting items for systematic reviews and meta-analyses: The PRISMA statement', *International Journal of Surgery*, 8(5), pp. 336–341. doi: 10.1016/J.IJSU.2010.02.007.
- Moher, D. *et al.* (2009) 'Guidelines and Guidance Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement'. doi: 10.1371/journal.pmed.1000097.
- Mollaveva, T. *et al.* (2016a) 'The Pittsburgh sleep quality index as a screening tool for sleep dysfunction in clinical and non-clinical samples: A systematic review and meta-analysis', *Sleep medicine reviews*, 25, pp. 52–73. doi: 10.1016/J.SMRV.2015.01.009.
- Monoi, N. *et al.* (2016) 'Japanese sake yeast supplementation improves the quality of sleep: A double-blind randomised controlled clinical trial', *Journal of Sleep Research*, 25(1), pp. 116–123. doi: 10.1111/jsr.12336.



- Nakagawa, M. *et al.* (2018) 'Effects of lactic acid bacteria-containing foods on the quality of sleep: A placebo-controlled, double-blinded, randomized crossover study', *Functional Foods in Health and Disease*, 8(12), pp. 579–596. doi: 10.31989/ffhd.v8i12.572.
- Nakakita, Y. *et al.* (2016) 'Effect of dietary heat-killed *Lactobacillus brevis* SBC8803 (SBL88™) on sleep: A non-randomised, double blind, placebo-controlled, and crossover pilot study', *Beneficial Microbes*, 7(4), pp. 501–509. doi: 10.3920/BM2015.0118.
- Natale, V. *et al.* (2015) 'The consensus sleep diary: Quantitative criteria for primary insomnia diagnosis', *Psychosomatic Medicine*, 77(4), pp. 413–418. doi: 10.1097/PSY.0000000000000177.
- Nindrea, Rievan Dana. (2016). Pengantar Langkah-Langkah Praktis Studi *Meta analysis*. Yogyakarta : Gosyen Publishing
- Nishida, K. *et al.* (2017) 'Daily administration of paraprobiotic *Lactobacillus gasseri* CP2305 ameliorates chronic stress-associated symptoms in Japanese medical students', *Journal of Functional Foods*, 36, pp. 112–121. doi: 10.1016/J.JFF.2017.06.031.
- Nishida, K. *et al.* (2019) 'Health Benefits of *Lactobacillus gasseri* CP2305 Tablets in Young Adults Exposed to Chronic Stress: A Randomized, Double-Blind, Placebo-Controlled Study', *Nutrients* 2019, Vol. 11, Page 1859, 11(8), p. 1859. doi: 10.3390/NU11081859.
- Önning, G. *et al.* (2023) 'Intake of *Lactiplantibacillus plantarum* HEAL9 Improves Cognition in Moderately Stressed Subjects: A Randomized Controlled Study', *Nutrients*, 15(15). doi: 10.3390/nu15153466.
- Otaru N, Ye K, Mujezinovic D, Berchtold L, Constancias F, Cornejo FA, Krzystek A, de Wouters T, Braegger C, Lacroix C, Pugin B. (2021). GABA Production by Human Intestinal *Bacteroides* spp.: Prevalence, Regulation, and Role in Acid Stress Tolerance. *Front Microbiol.* 12:656895. doi: 10.3389/fmicb.2021.656895. PMID: 33936013; PMCID: PMC8082179.
- Oxman, A. D. And Guyatt, G. H. (1993) 'The Science of Reviewing Researcha', *Annals of the New York Academy of Sciences*, 703(1), pp. 125–134. doi: 10.1111/J.1749-6632.1993.TB26342.X.
- Park, B. K. (2020) 'The Pittsburg Sleep Quality Index (PSQI) and Associated Factors in Middle-school Students: A Cross-sectional Study', *Child Health Nursing Research*, 26(1), p. 55. doi: 10.4094/CHNR.2020.26.1.55.
- Patterson, E. *et al.* (2020) '*Lactocaseibacillus paracasei* Lpc-37® improves psychological and physiological markers of stress and anxiety in healthy

- adults: a randomized, double-blind, placebo-controlled and parallel clinical trial (the Sisu study)', *Neurobiology of Stress*, 13. doi: 10.1016/j.ynstr.2020.100277.
- Paul, J. *et al.* (2021) 'Scientific procedures and rationales for systematic literature reviews (SPAR-4-SLR)', *International Journal of Consumer Studies*, 45(4), pp. O1–O16. doi: 10.1111/IJCS.12695.
- Peltzer K., Pengpid S., (2019) Prevalence, social and health correlates of insomnia among persons 15 years and older in Indonesia, *Psychology, Health & Medicine*, 24:757. doi: /doi.org/10.1080/13548506.2019.1566621
- Quero, C. D. *et al.* (2021) 'Differential Health Effects on Inflammatory, Immunological and Stress Parameters in Professional Soccer Players and Sedentary Individuals after Consuming a Synbiotic. A Triple-Blinded, Randomized, Placebo-Controlled Pilot Study.', *Nutrients*, 13(4). doi: 10.3390/nu13041321.
- Quigley, M. E., Hudson, G. J. and Englyst, H. N. (1999) 'Determination of resistant short-chain carbohydrates (non-digestible oligosaccharides) using gas–liquid chromatography', *Food Chemistry*, 65(3), pp. 381–390. doi: 10.1016/S0308-8146(98)00178-2.
- Sadler, P. *et al.* (2018) 'Cognitive behavior therapy for older adults with insomnia and depression: a randomized controlled trial in community mental health services', *Sleep*, 41(8). doi: 10.1093/SLEEP/ZSY104.
- Saleh-Ghadimi, S. *et al.* (2022) 'Improvement of sleep by resistant dextrin prebiotic in type 2 diabetic women coincides with attenuation of metabolic endotoxemia: involvement of gut-brain axis', *Journal of the science of food and agriculture*, 102(12), pp. 5229–5237. doi: 10.1002/JSFA.11876.
- Sato, T. *et al.* (2022) 'A probiotic blend improves defecation, mental health, and productivity in healthy Japanese volunteers under stressful situations', *Heliyon*, 8(9). doi: 10.1016/J.HELİYON.2022.E10614.
- Sawada, D. *et al.* (2017) 'Daily intake of *Lactobacillus gasseri* CP2305 improves mental, physical, and sleep quality among Japanese medical students enrolled in a cadaver dissection course'. doi: 10.1016/j.jff.2017.01.042.
- Sawada, D. *et al.* (2019) 'Daily intake of *Lactobacillus gasseri* CP2305 relieves fatigue and stress-related symptoms in male university Ekiden runners: A double-blind, randomized, and placebo-controlled clinical trial', *Journal of Functional Foods*, 57(February), pp. 465–476. doi: 10.1016/j.jff.2019.04.022.
- Senghor, Bruno, Cheikh Sokhna, Raymond Ruimy, and Jean Christophe Lagier.

2018. "Gut Microbiota Diversity According to Dietary Habits and Geographical Provenance." *Human Microbiome Journal* 7–8:1–9. doi: 10.1016/J.HUMIC.2018.01.001.
- Schober, P. and Vetter, T. R. (2020) 'Meta-Analysis in Clinical Research', *Anesthesia and Analgesia*, 131(4), p. 1090. doi: 10.1213/ANE.0000000000005001.
- Shafie, M. *et al.* (2022) 'The effect of probiotics on mood and sleep quality in postmenopausal women: A triple-blind randomized controlled trial', *Clinical Nutrition ESPEN*, 50, pp. 15–23. doi: 10.1016/J.CLNESP.2022.06.005.
- Shrivastava, D. *et al.* (2014) 'How to interpret the results of a sleep study', *Internal Medicine Perspectives*, 4(5). doi: 10.3402/jchimp.v4.24983.
- Sudo, N. (2016) 'The Hypothalamic-Pituitary-Adrenal Axis and Gut Microbiota: A Target for Dietary Intervention?', *The Gut-Brain Axis Dietary, Probiotic, and Prebiotic Interventions on the Microbiota*, pp. 293–304. doi: 10.1016/B978-0-12-802304-4.00013-X.
- Sun, H. *et al.* (2022) 'Probiotics synergized with conventional regimen in managing Parkinson's disease.', *NPJ Parkinson's disease*, 8(1), p. 62. doi: 10.1038/s41531-022-00327-6.
- Strandwitz P, Kim KH, Terekhova D, Liu JK, Sharma A, Levering J, McDonald D, Dietrich D, Ramadhar TR, Lekbua A, Mroue N, Liston C, Stewart EJ, Dubin MJ, Zengler K, Knight R, Gilbert JA, Clardy J, Lewis K. (2019). GABA-modulating bacteria of the human gut microbiota. *Nat Microbiol.* 4(3):396-403. doi: 10.1038/s41564-018-0307-3. Epub 2018 Dec 10. PMID: 30531975; PMCID: PMC6384127.
- T Hamilton-Miller, J. M., Gibson, G. R. and Bruck, W. (2003) 'Some insights into the derivation and early uses of the word "probiotic"'. doi: 10.1079/BJN2003954.
- Takada, M. *et al.* (2017) 'Beneficial effects of Lactobacillus casei strain Shirota on academic stress-induced sleep disturbance in healthy adults: A double-blind, randomised, placebo-controlled trial', *Beneficial Microbes*, 8(2), pp. 153–162. doi: 10.3920/BM2016.0150.
- Tanihiro, R. *et al.* (2023) 'Effects of Prebiotic Yeast Mannan on Gut Health and Sleep Quality in Healthy Adults: A Randomized, Double-Blind, Placebo-Controlled Study', *Nutrients*, 16(1), p. 141. doi: 10.3390/NU16010141/S1.
- Tomaso, C. C., Johnson, A. B. and Nelson, T. D. (2021) 'The effect of sleep deprivation and restriction on mood, emotion, and emotion regulation: three meta-analyses in one', *Sleep*, 44(6), pp. 1–30. doi: 10.1093/SLEEP/ZSAA289.

- Torre, D. La, Verbeke, K. and Dalile, B. (2021) 'Dietary fibre and the gut–brain axis: microbiota-dependent and independent mechanisms of action', *Gut Microbiome*, 2, p. e3. doi: 10.1017/GMB.2021.3.
- Triantafillou, S. *et al.* (2019) 'Relationship Between Sleep Quality and Mood: Ecological Momentary Assessment Study', *JMIR Mental Health*, 6(3). doi: 10.2196/12613.
- Uetani, Kae, Takeo Nakayama, Hiroshi Ikai, Naohiro Yonemoto, and David Moher. (2009) 'Quality of Reports on Randomized Controlled Trials Conducted in Japan: Evaluation of Adherence to the CONSORT Statement.', *Jstage*. 48(5): 307-313
- Valentino, Rita J. and Nora D. Volkow. 2019. "Drugs, Sleep, and the Addicted Brain." *Neuropsychopharmacology* 2019 45:1 45(1):3–5.
- Wang, Ling *et al.* (2022) 'Reliability and validity of the Pittsburgh Sleep Quality Index among frontline COVID-19 health care workers using classical test theory and item response theory', *Journal of Clinical Sleep Medicine*, 18(2), pp. 541–551. doi: 10.5664/JCSM.9658.
- Vemuri, R., Sylvia, K.E., Klein, S.L., Forster, S.C., Plebanski, M., Eri, R. and Flanagan, K.L., (2019) 'The microgenderome revealed: sex differences in bidirectional interactions between the microbiota, hormones, immunity and disease susceptibility,' *Seminars in Immunopathology* 41: 265-275
- Wang, P. *et al.* (2021) 'Perioperative probiotic treatment decreased the incidence of postoperative cognitive impairment in elderly patients following non-cardiac surgery: A randomised double-blind and placebo-controlled trial.', *Clinical nutrition (Edinburgh, Scotland)*, 40(1), pp. 64–71. doi: 10.1016/j.clnu.2020.05.001.
- Wang, Feifei and Éva Bíró. (2021) 'Determinants of Sleep Quality in College Students: A Literature Review', *Explore* 17(2):170–77.
- Wang, Ying, Xinyi Dai, Jie Zhu, Zeling Xu, Jiayao Lou, and Keda Chen. (2023) 'What Complex Factors Influence Sleep Quality in College Students? PLS-SEM vs. FsQCA', *Frontiers in Psychology* 14.
- Watson, N. F. *et al.* (2015) 'Joint Consensus Statement of the American Academy of Sleep Medicine and Sleep Research Society on the Recommended Amount of Sleep for a Healthy Adult: Methodology and Discussion', *Sleep*, 38(8), pp. 1161–1183. doi: 10.5665/SLEEP.4886.
- Wen, Wu. (2021) 'Sleep Quality Detection Based on EEG Signals Using Transfer Support Vector Machine Algorithm', *Frontiers in Neuroscience* 15. doi: 10.3389/FNINS.2021.670745.

