

Daftar Pustaka

1. Kementerian Kesehatan Republik Indonesia. *Infodatin Situasi Kesehatan Jiwa di Indonesia*. Pusat Data dan Informasi Kemenkes 2020.
2. Schumann A, Helbing N, Rieger K, Suttkus S, Bär KJ. Depressive rumination and heart rate variability: A pilot study on the effect of biofeedback on rumination and its physiological concomitants. *Front Psychiatry*. 2022;13(August):1–10.
3. Namkung H, Lee BJ, Sawa A. Causal Inference on Pathophysiological Mediators in Psychiatry. *Cold Spring Harb Symp Quant Biol*. 2018;83:17-2
4. Macedo A, Marques C, Quaresma V, Soares MJ, Amaral AP, Araújo AI, et al. Are perfectionism cognitions and cognitive emotion regulation strategies mediators between perfectionism and psychological distress? *Personality and Individual Differences*. 2016. 119, 46–51
5. Gilman SE, Sucha E, Kingsbury M, Horton N.J., Murphy J.M., Colman I. Depression and mortality in a longitudinal study: 1952–2011. *Can. Med. Assoc. J*. 2017;189:E1304–E1310
6. Shir G, Hanna K. The Predictive Potential of Heart Rate Variability for Depression. *Neuroscience* [Internet]. 2024;546:88–10
7. Hartmann R, Schmidt FM, Sander C, Hegerl U. Heart rate variability as indicator of clinical state in depression. *Front Psychiatry*. 2019;9:735
8. Jarczok MN, Weimer K, Braun C, Williams DWP, Thayer JF, Gündel HO, et al. Heart rate variability in the prediction of mortality: A systematic review and meta-analysis of healthy and patient populations. *Neurosci Biobehav Rev* [Internet]. 2022;143(October):104907.
9. Zajkowska Z, Gullett N, Walsh A, Zonca V, Pedersen GA, Souza L, et al. Cortisol and development of depression in adolescence and young adulthood-a systematic review and meta-analysis. *Psychoneuroendocrinology*. 2022;136:105625.
10. Dziurkowska E, Wesolowski M. Cortisol as a biomarker of mental disorder severity. *J Clin Med*. 2021;10(21)

11. Cheng YC, Huang YC, Huang WL. Heart rate variability in patients with somatic symptom disorders and functional somatic syndromes: A systematic review and meta-analysis. *Neurosci. Biobehav. Rev.* 2020
12. Galin S, Keren H. The predictive potential of heart rate variability for depression. *Neuroscience*. 2024 May 14;546:88-103.
13. Fiani D, Campbell H, Solmi M, Fiedorowicz JG, Calarge CA. Impact of antidepressant use on the autonomic nervous system: A meta-analysis and systematic review. *European Neuropsychopharmacology*. 2023 Jun 1;71:75-95.
14. Nicolaides NC, Kyratzi E, Lamprokostopoulou A, Chrousos GP, Charmandari E. Stress, the stress system and the role of glucocorticoids. *Neuroimmunomodulation*. 2015;22(1-2):6-19
15. Pivonello R, Simeoli C, De Martino MC, Cozzolino A, De Leo M, Iacuniello D, et al. Neuropsychiatric disorders in Cushing's syndrome. *Front Neurosci*. 2015;9:129
16. Weikum ER, Knuesel MT, Ortlund EA, Yamamoto KR. Glucocorticoid receptor control of transcription: precision and plasticity via allostery. *Nat Rev Mol Cell Biol.* 2017;18(3):159-74 Weikum ER, Knuesel MT, Ortlund EA, Yamamoto KR. Glucocorticoid receptor control of transcription: precision and plasticity via allostery. *Nat Rev Mol Cell Biol.* 2017;18(3):159-74
17. Nicolaides NC, Chrousos GP. Adrenal cortex hormones. In: *Hormonal signaling in biology and medicine*. Academic Press; 2020. p. 619-33.
18. Panettieri RA, Schaafsma D, Amrani Y, Koziol-White C, Ostrom R, Tliba O. Non-genomic effects of glucocorticoids: an updated view. *Trends Pharmacol Sci.* 2019;40(1):38-49
19. Joseph JJ, Golden SH. Cortisol dysregulation: The bidirectional link between stress, depression, and type 2 diabetes mellitus. *Ann N Y Acad Sci.* 2018;1391(1):20-34.
20. DeMorrow S. Role of the hypothalamic-pituitary-adrenal axis in health and disease. *Int J Mol Sci.* 2018;19(4):986
21. Keller J, Gomez R, Williams G, Lembke A, Lazzeroni L, Murphy GM, Schatzberg AF. HPA axis in major depression: cortisol, clinical symptomatology and genetic variation predict cognition. *Mol Psychiatry.* 2017 Apr;22(4):527-36

22. Neyer S, Witthöft M, Cropley M, Pawelzik M, Sütterlin S, Lugo RG. The cortisol awakening response at admission to hospital predicts depression severity after discharge in major depressive disorder patients — a replication study. *Front Neurosci*. 2022
23. Rizka A, Putranto R, Koesnoe S, Ginanjar E, Shatri H. Perbedaan Serotonin Plasma dan Kortisol Saliva terhadap Gejala Depresi pada Pasien Pasca Sindrom Koroner Akut. *Jurnal Penyakit Dalam Indonesia*. 2023
24. Suzuki Y, Tanaka SC. Functions of the ventromedial prefrontal cortex in emotion regulation under stress. *Sci Rep [Internet]*. 2021;11(1):1–11
25. Philippi CL, Weible E, Rivera-Bonet CN, Birn RM, Ladd CO, Abercrombie HC. Effects of cortisol administration on heart rate variability and functional connectivity across women with different depression histories. *Behav Brain Res*. 2024 Feb 24
26. Dalvi-Garcia F, Fonseca LL, Vasoncelos ATR, Pereira CH, Voit EO. A model of dopamine and serotonin-kynurenine metabolism in cortisolemia: Implications for depression. *PLoS Comput Biol [Internet]*. 2021;17(5):1–27
27. Fiksdal A, Hanlin L, Kuras Y, Gianferante D, Chen X, Thoma M V., et al. Associations between symptoms of depression and anxiety and cortisol responses to and recovery from acute stress. *Psychoneuroendocrinology [Internet]*. 2019;102
28. Olivieri F, Biscetti L, Pimpini L, Pelliccioni G, Sabbatinelli J, Giunta S. Heart rate variability and autonomic nervous system imbalance: Potential biomarkers and detectable hallmarks of aging and inflammaging. *Ageing Res Rev [Internet]*. 2024;101
29. Akhter N, Tharewal S, Kale V, Bhalerao A, Kale KV. Heart-based biometrics and possible use of heart rate variability in biometric recognition systems. In: *Advanced Computing and Systems for Security: Volume 1*. Springer; 2016. p. 15-29.
30. Rodriguez-Linares L, Vila XA, Lado MJ, Mendez AJ, Otero A, Garcia C. Heart rate variability analysis of ECG data. *R package version 4.2.6*. 2020; pp 1–88

31. Wu Q, Miao X, Cao Y, Chi A, Xiao T. Heart rate variability status at rest in adult depressed patients: a systematic review and meta-analysis. *Front Public Health*. 2023 Dec 19;11:1243213.
32. Ernst G. Hidden signals—the history and methods of heart rate variability. *Front Public Health*. 2017;5:265
33. Yugar LBT, Yugar-Toledo JC, Dinamarco N, Sedenho-Prado LG, Moreno BVD, Rubio T de A, et al. The Role of Heart Rate Variability (HRV) in Different Hypertensive Syndromes. *Diagnostics*. 2023;13(4):1–19.
34. Johnston BW, Barrett-Jolley R, Krige A, Welters ID. Heart rate variability: Measurement and emerging use in critical care medicine. *J Intensive Care Soc*. 2020;21(2):148–57
35. Boman K. Heart rate variability: a possible measure of subjective wellbeing? *J Wellbeing*. 2018;8(2):45-52
36. Albarado-Ibañez A, Arroyo-Carmona RE, Bernabé-Sánchez DA, Limón-Cantú M, López-Silva B, Ita-Amador ML, et al. Heart rate variability as biomarker for prognostic of metabolic disease. In: *Autonomic nervous system monitoring-heart rate variability*. London: IntechOpen; 2019
37. Pham T, Lau ZJ, Chen SHA, Makowski D. Heart rate variability in psychology: A review of hrv indices and an analysis tutorial. *Sensors*. 2021;21(12).
38. Lee D, Kwon W, Heo J, Park JY. Associations between Heart Rate Variability and Brain Activity during a Working Memory Task: A Preliminary Electroencephalogram Study on Depression and Anxiety Disorder. *Brain Sci*. 2022;12(2).
39. Bartels R, Peçanha T. HRV: a Pythonic package for Heart Rate Variability Analysis. *J Open Source Softw*. 2020;5(51):1867.
40. Ernst G. Heart rate variability. London: Springer; 2014.
41. Shaffer F, McCraty R, Zerr CL. A healthy heart is not a metronome: an integrative review of the heart's anatomy and heart rate variability. *Front Psychol*. 2014 5:1040
42. Kircanski K, Williams LM, Gotlib IH. Heart rate variability as a biomarker of anxious depression response to antidepressant medication. *Depress Anxiety*. 2019;36(1):63–71.

43. Koch C, Wilhelm M, Salzmann S, Rief W, Euteneuer F. A meta-Analysis of heart rate variability in major depression. *Psychol Med*. 2019;49(12):1948–57.
44. Jeyhani V, Mahdiani S, Peltokangas M, Vehkaja A. Comparison of HRV parameters derived from photoplethysmography and electrocardiography signals. *Conf Proc IEEE Eng Med Biol Soc* (2015) 2015:5952–5
45. Czéh B, Fuchs E, Wiborg O, Simon M. Animal models of major depression and their clinical implications. *Prog Neuro-Psychopharmacology Biol Psychiatry*. 2016;64:293–310
46. Murni AW. Kadar kortisol plasma pada dispepsia fungsional dengan gangguan psikosomatik. *J Penyakit Dalam Indones*. 2020;7(1):15–21.
47. Ngampramuan S, Tungtong P, Mukda S, Jariyavilas A, Sakulisariyaporn C. Evaluation of autonomic nervous system, saliva cortisol levels, and cognitive function in major depressive disorder patients. *Depress Res Treat*. 2018;2018:7343592
48. Schiweck C, Piette D, Berckmans D, Claes S, Vrieze E. Heart rate and high frequency heart rate variability during stress as biomarker for clinical depression. A systematic review. *Psychol Med*. 2019 Jan;49(2):200-11
49. García-Batista ZE, Guerra-Peña K, Cano-Vindel A, Herrera-Martínez SX, Medrano LA. Validity and reliability of the Beck Depression Inventory (BDI-II) in general and hospital population of Dominican Republic. *PLoS One*. 2018;13(6):e0199750
50. Seppänen M, Lankila T, Auvinen J, Miettunen J, Korpelainen R, Timonen M. Cross-cultural comparison of depressive symptoms on the Beck Depression Inventory-II, across six population samples. *BJPsych Open*. 2022;8(2):e46
51. Mishica C, Kyröläinen H, Hynynen E, Nummela A, Holmberg HC, Linnamo V. Relationships between heart rate variability, sleep duration, cortisol and physical training in young athletes. *J Sports Sci Med*. 2021;20(4):778
52. Shorey S, Ng ED, Wong CHJ. Global prevalence of depression and elevated depressive symptoms among adolescents: A systematic review and meta-analysis. *Br J Clin Psychol*. 2022;61(2):287–305.
53. GBD 2021 Mental Disorders Collaborators. Global, regional, and national burden of 12 mental disorders in 204 countries and territories, 1990–2021: a

- systematic analysis for the Global Burden of Disease Study 2021. *Lancet Psychiatry*. 2022;9(2):137–50.
54. Moreno-Agostino D, Wu YT, Daskalopoulou C, Hasan MT, Huisman M, Prina M. Global trends in the prevalence and incidence of depression: a systematic review and meta-analysis. *J Affect Disord*. 2021 Feb 15;281:235–43..
 55. Ridley M, Rao G, Schilbach F, Patel V. Poverty, depression, and anxiety: causal evidence and mechanisms. *Science*. 2020;370(6522):
 56. Lim GY, Tam WW, Lu Y, Ho CS, Zhang MW, Ho RC. Prevalence of depression in the community from 30 countries between 1994 and 2014. *Sci Rep*. 2018;8:2861.
 57. Schatzberg AF. Glucocorticoid antagonists in neuropsychiatric disorders. *Eur J Pharmacol*. 2020;883:173394.
 58. Knorr U, Vinberg M, Kessing LV, Wetterslev J. Salivary cortisol in depressed patients versus control persons: a systematic review and meta-analysis. *Psychoneuroendocrinology*. 2010;35(9):1275–1286.
 59. Chan II. Blunted cortisol as a biomarker of depression based on the attenuation hypothesis: A Mendelian randomization analysis using depression as exposure. *Journal of Affective Disorders*. 2025 May 1;376:398-409.
 60. Bassett D, Bear N, Nutt D, Hood S, Bassett S, Hans D. Reduced heart rate variability in remitted bipolar disorder and recurrent depression. *World J Biol Psychiatry*. 2022;23(1):26–35.
 61. Wang YP, Gorenstein C. Assessment of depression in medical patients: a systematic review of the utility of the Beck Depression Inventory-II. *Clinics*. 2013 Sep 1;68(9):1274-87.
 62. Wang J, Liu M, Bai J, Chen Y, Xia J, Liang B, Wei R, Lin J, Wu J, Xiong P. Prevalence of common mental disorders among medical students in China: a systematic review and meta-analysis. *Frontiers in Public Health*. 2023 Aug 31;11:1116616.
 63. Nandam LS, Brazel M, Zhou M, Jhaveri DJ. Cortisol and major depressive disorder—translating findings from humans to animal models and back. *Frontiers in psychiatry*. 2020 Jan 22;10:974.

64. Vieta E, Salagre E, Grande I, Carvalho AF, Fernandes BS, Berk M, Birmaher B, Tohen M, Suppes T. Early intervention in bipolar disorder. *American Journal of Psychiatry*. 2018 May 1;175(5):411-26.
65. Reshetnikov VV, Kisaretova PE, Bondar NP. Transcriptome alterations caused by social defeat stress of various durations in mice and its relevance to depression and posttraumatic stress disorder in humans: A meta-analysis. *International Journal of Molecular Sciences*. 2022 Nov 9;23(22):13792.
66. Thayer JF, Koenig J. The neurobiology of self-regulation: A neurovisceral integration perspective.
67. Luo X, Wang R, Zhou Y, Xie W. The relationship between emotional disorders and *heart rate variability*: a Mendelian randomization study. *PLoS One*. 2024;19(3):e0298998.

