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DAFTAR PUSTAKA

Abhang, P.A., Gawali, B.W., & Mehrotra, S.C. (2016). Technological Basics of EEG Recording and Operation of Apparatus, in: *Introduction to EEG- and Speech-Based Emotion Recognition*. pp. 19–50, Elsevier.

Adam, E.K., & Kumari, M. (2009). Assessing salivary cortisol in large-scale, epidemiological research. *Psychoneuroendocrinology* 34 : 1423–1436.

Ahmad, A., Jagdhane, N., Ademmer, K., & Choudhari, K. (2024). Carl Wernicke of the Wernicke Area: A Historical Review. *World Neurosurg.* 185 : 225–233.

Aizpurua-Perez, I., Arregi, A., Labaka, A., Martinez-Villar, A., & Perez-Tejada, J. (2023). Psychological resilience and cortisol levels in adults: A systematic review. *Am. J. Hum. Biol. Off. J. Hum. Biol. Counc.* 35 : e23954.

Akil, H., & Nestler, E.J. (2023). The neurobiology of stress: Vulnerability, resilience, and major depression. *Proc. Natl. Acad. Sci. U. S. A.* 120 : 1–9.

Amin, A., Kumar, S.S., Rajagopalan, A., Rajan, S., Mishra, S., Reddy, U.K., *et al.* (2016). Beneficial effects of OM chanting on depression, anxiety, stress and cognition in elderly women with hypertension. *Indian J. Clin. Anat. Physiol.* 3 : 253.

Ancelin, M.L., Scali, J., Norton, J., Ritchie, K., Dupuy, A.M., Chaudieu, I., *et al.* (2017). The effect of an adverse psychological environment on salivary cortisol levels in the elderly differs by 5-HTTLPR genotype. *Neurobiol. Stress* 7 : 38–46.

Andrade, C., & Radhakrishnan, R. (2009). Prayer and healing: A medical and scientific perspective on randomized controlled trials. *Indian J. Psychiatry* 51 : 247–253.

Arain, M., Haque, M., Johal, L., Mathur, P., Nel, W., Rais, A., *et al.* (2013). Maturation of the adolescent brain. *Neuropsychiatr. Dis. Treat.* 9 : 449–461.

Arli, D., Cherrier, H., & Lasmono, H. (2016). The Gods can help: Exploring the effect of religiosity on youth risk-taking behavior in Indonesia. *Int. J. Nonprofit Volunt. Sect. Mark.* 21 : 253–268.

Arora, J., & Dubey, N. (2018). Immediate benefits of Om chanting on blood pressure and pulse rate in uncomplicated moderate hypertensive subjects. *Natl. J. Physiol. Pharm. Pharmacol.* 8 : 1162.

Arrufat-Pié, E., Estévez-Báez, M., Estévez-Carreras, J.M., Leisman, G., Machado, C., & Beltrán-León, C. (2023). Beyond Frequency Band Constraints in EEG

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Analysis: The Role of the Mode Decomposition in Pushing the Boundaries. *Signals* 4 : 489–506.

Asanza, V., Peláez, E., Loayza, F., Lorente-Leyva, L.L., & Peluffo-Ordóñez, D.H. (2022). Identification of Lower-Limb Motor Tasks via Brain–Computer Interfaces: A Topical Overview. *Sensors* 22 : 1–24.

Ashokan, A., Sivasubramanian, M., & Mitra, R. (2016). Seeding Stress Resilience through Inoculation. *Neural Plast.* 2016.

Assadi, S.N. (2017). What are the effects of psychological stress and physical work on blood lipid profiles? *Med. (United States)* 96.

Attar, E.T. (2022). A Review of Mental Stress and EEG Band Power. *Int. J. Nanotechnol. Nanomedicine Int J Nanotechnol Nanomed* 7 : 112–118.

Badan Penelitian dan Pengembangan Kesehatan (2018). Laporan_Nasional_RKD2018_FINAL.pdf. *Badan Penelit. dan Pengemb. Kesehat.*

Badan Penelitian dan Pengembangan Kesehatan (2013). Riset Kesehatan Dasar 2013.

Bai, Y., Xia, X., & Li, X. (2017). A review of resting-state electroencephalography analysis in disorders of consciousness. *Front. Neurol.* 8.

Bear, M.F., Connors, B.W., & Paradiso, M.A. (2016). Neuroscience: exploring the brain, 4th ed. Philadelphia : Wolters Kluwer.

Bernardi, L., Sleight, P., Bandinelli, G., Cencetti, S., Fattorini, L., Wdowczyc-Szulc, J., *et al.* (2001). Effect of rosary prayer and yoga mantras on autonomic cardiovascular rhythms: comparative study. *BMJ* 323 : 1446–1449.

Bernardi, N.F., Snow, S., Peretz, I., Orozco Perez, H.D., Sabet-Kassouf, N., & Lehmann, A. (2017). Cardiorespiratory optimization during improvised singing and toning. *Sci. Rep.* 7 : 1–8.

Bigliassi, M., Barreto-Silva, V., Altimari, L.R., Vandoni, M., Codrons, E., & Buzzachera, C.F. (2015). How Motivational and Calm Music May Affect the Prefrontal Cortex Area and Emotional Responses: A Functional Near-Infrared Spectroscopy (fNIRS) Study. *Percept. Mot. Skills* 120 : 202–218.

Britton, J.W., Frey, L.C., Hopp, J.L., Horb, P., Koubeissi, M.Z., Lievens, W.E., *et al.* (2016). Electroencephalography (EEG): An Introductory Text and Atlas of Normal and Abnormal Findings in Adults, Children, and Infants, Biomedical

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Technology and Devices, Second Edition.

Broerman, R. (2018). Diathesis-Stress Model, in: Zeigler-Hill, V., & Shackelford, T.K. (Eds.), *Encyclopedia of Personality and Individual Differences*. pp. 1–3, Springer International Publishing.

Brunetti, M., Marzetti, L., Sepede, G., Zappasodi, F., Pizzella, V., Sarchione, F., *et al.* (2017). Resilience and cross-network connectivity: A neural model for post-trauma survival. *Prog. Neuro-Psychopharmacology Biol. Psychiatry* 77 : 110–119.

Carroll, P.J., Wichman, A.L., Agler, R., & Arkin, R. (2023). The Regulation of Personal Security. *J. Theor. Soc. Psychol.* 2023 : 1–13.

Cathomas, F., Murrough, J.W., Nestler, E.J., Han, M.-H., & Russo, S.J. (2019). Neurobiology of Resilience: Interface Between Mind and Body. *Biol. Psychiatry* 86 : 410–420.

Chanda, M.L., & Levitin, D.J. (2013). The neurochemistry of music. *Trends Cogn. Sci.* 17 : 179–193.

Chandra, S., Sharma, G., Sharma, M., Jha, D., & Mittal, A.P. (2017). Workload regulation by Sudarshan Kriya: an EEG and ECG perspective. *Brain Informatics* 4 : 13–25.

Clarke, A.R., Barry, R.J., Karamacoska, D., & Johnstone, S.J. (2019). The EEG Theta/Beta Ratio: A marker of Arousal or Cognitive Processing Capacity? *Appl. Psychophysiol. Biofeedback* 44 : 123–129.

Clements, G.M., Bowie, D.C., Gyurkovics, M., Low, K.A., Fabiani, M., & Gratton, G. (2021). Spontaneous Alpha and Theta Oscillations Are Related to Complementary Aspects of Cognitive Control in Younger and Older Adults. *Front. Hum. Neurosci.* 15.

Costanzo, L. (2021). Costanzo Physiology E-Book. Elsevier Health Sciences.

Cramer, S.C., Sur, M., Dobkin, B.H., O'Brien, C., Sanger, T.D., Trojanowski, J.Q., *et al.* (2011). Harnessing neuroplasticity for clinical applications. *Brain* 134 : 1591–1609.

Crișan, A.-M. (2019). A new stone on an ancient foundation: traditional liturgical aspects in Taizé order of prayer. *Rev. Ecum. Stud. Sibiu* 11 : 76–89.

Damiani, D., Nascimento, A.M., & Pereira, L.K. (2020). Cortical Brain Functions – The Brodmann Legacy in the 21st Century. *Arq. Bras. Neurocir. Brazilian*

Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan
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Neurosurg. 39 : 261–270.

Davidson, R.J. (2000). Affective style, psychopathology, and resilience: Brain mechanisms and plasticity. *Am. Psychol.* 55 : 1196–1214.

Deppermann, S., Storchak, H., Fallgatter, A.J., & Ehlis, A.C. (2014). Stress-induced neuroplasticity: (Mal)adaptation to adverse life events in patients with PTSD - A critical overview. *Neuroscience* 283 : 166–177.

Dief, A.E., Sivukhina, E. V., & Jirikowski, G.F. (2018). Oxytocin and Stress Response. *Open J. Endocr. Metab. Dis.* 08 : 93–104.

Dingle, G.A., Sharman, L.S., Bauer, Z., Beckman, E., Broughton, M., Bunzli, E., *et al.* (2021). How Do Music Activities Affect Health and Well-Being? A Scoping Review of Studies Examining Psychosocial Mechanisms. *Front. Psychol.*

Dissing, A.S., Jørgensen, T.B., Gerds, T.A., Rod, N.H., & Lund, R. (2019). High perceived stress and social interaction behaviour among young adults. A study based on objective measures of face-to-face and smartphone interactions. *PLoS One* 14 : 1–12.

Doolittle, L.M., & Nifoussi, S. (2021). Exam Anxiety and its Effects on College Students ' Perceived and Physiological Stress. *TRIO McNair Sch. Res. J.* XXII : 14–22.

Doufesh, H., Ibrahim, F., Ismail, N.A., & Wan Ahmad, W.A. (2014). Effect of Muslim Prayer (Salat) on α Electroencephalography and Its Relationship with Autonomic Nervous System Activity. *J. Altern. Complement. Med.* 20 : 558–562.

Dutta, U., & Singh, A.P. (2017). Studying spirituality in the context of grit and resilience of college-going young adults. *Int. J. Innov. Res. Multidiscip. F.* 3 : 50–55.

Eaton, S., Cornwell, H., Hamilton-Giachritsis, C., & Fairchild, G. (2022). Resilience and young people's brain structure, function and connectivity: A systematic review. *Neurosci. Biobehav. Rev.* 132 : 936–956.

Faber, E.S.L. (2016). The neural correlates of two forms of spiritual love: an EEG study. *bioRxiv* 045898.

Fanciulli, A., Campese, N., & Wenning, G.K. (2019). The Schellong test: detecting orthostatic blood pressure and heart rate changes in German-speaking countries. *Clin. Auton. Res.* 29 : 363–366.

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Fatisson, J., Oswald, V., & Lalonde, F. (2016). Influence diagram of physiological and environmental factors affecting heart rate variability: An extended literature overview. *Heart Int.* 11 : e32–e40.

Faye, C., McGowan, J.C., Denny, C.A., & David, D.J. (2018). Neurobiological mechanisms of stress resilience and implications for the aged population. *Curr. Neuropharmacol.* 16 : 234–270.

Fingelkurts, Alexander A., & Fingelkurts, Andrew A. (2022). Quantitative Electroencephalogram (qEEG) as a Natural and Non-Invasive Window into Living Brain and Mind in the Functional Continuum of Healthy and Pathological Conditions. *Appl. Sci.* 12.

Finucane, C., van Wijnen, V.K., Fan, C.W., Soraghan, C., Byrne, L., Westerhof, B.E., *et al.* (2019). A practical guide to active stand testing and analysis using continuous beat-to-beat non-invasive blood pressure monitoring. *Clin. Auton. Res.* 29 : 427–441.

Forthun, L., & Johns, A. (2011). Discovering Spirituality: A Guide for Teens. *EDIS* 2011.

Foy, D.W., Drescher, K.D., & Watson, P.J. (2011). Religious and spiritual factors in resilience. *Resil. Ment. Heal. Challenges Across Lifesp.* 90–102.

Freire, R.S., Reis, V.M.C.P., Brito, A.B., Brito, M.F.S.F., Pinho, L. de, Silva, R.R.V., *et al.* (2020). Analysis of the interrelationships between factors influencing blood pressure in adults. *Rev. Saude Publica* 54 : 147.

Gao, J., Fan, J., Wu, B.W., Halkias, G.T., Chau, M., Fung, P.C., *et al.* (2017). Repetitive religious chanting modulates the late-stage brain response to fear- and stress-provoking pictures. *Front. Psychol.* 7 : 1–12.

Gao, J., Leung, H.K., Wu, B.W.Y., Skouras, S., & Sik, H.H. (2019). The neurophysiological correlates of religious chanting. *Sci. Rep.* 9 : 1–9.

Gao, J., Skouras, S., Leung, H.K., Wu, B.W.Y., Wu, H., Chang, C., *et al.* (2020). Repetitive religious chanting invokes positive emotional schema to counterbalance fear: a multi-modal functional and structural MRI study. *Front. Behav. Neurosci.* 14.

Geddes, J.R., Andreasen, N.C., & Goodwin, G.M. (Eds.) (2020). New Oxford Textbook of Psychiatry, 3rd ed. New York : Oxford University Press.

Glotzbach, E., Mühlberger, A., Gschwendtner, K., Fallgatter, A.J., Pauli, P., & Herrmann, M.J. (2011). Prefrontal Brain Activation During Emotional

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Processing: A Functional Near Infrared Spectroscopy Study (fNIRS). *Open Neuroimag. J.* 5 : 33–39.

Godoy, L.D., Rossignoli, M.T., Delfino-Pereira, P., Garcia-Cairasco, N., & de Lima Umeoka, E.H. (2018). A Comprehensive Overview on Stress Neurobiology: Basic Concepts and Clinical Implications. *Front. Behav. Neurosci.* 12 : 1–23.

Gooding, H.C., Gidding, S.S., Moran, A.E., Redmond, N., Allen, N.B., Bacha, F., *et al.* (2020). Challenges and opportunities for the prevention and treatment of cardiovascular disease among young adults: Report from a national heart, lung, and blood institute working group. *J. Am. Heart Assoc.* 9 : 1–20.

Gooding, P.A., Hurst, A., Johnson, J., & Tarrier, N. (2012). Psychological resilience in young and older adults. *Int. J. Geriatr. Psychiatry* 27 : 262–270.

Gunawan, E. (2013). Tinjauan terhadap spiritualitas Taize dan telaah jemaat atas kemungkinan mengadopsinya sebagai pendorong bagi spiritualitas injili. *Veritas* 1 : 15–35.

Gupta, A., Love, A., Kilpatrick, L.A., Labus, J.S., Bhatt, R., Chang, L., *et al.* (2017). Morphological brain measures of cortico-limbic inhibition related to resilience. *J. Neurosci. Res.* 95 : 1760–1775.

Gupta, D. (2017). Chapter 1 - Neuroanatomy, in: Prabhakar, H. (Ed.), *Essentials of Neuroanesthesia*. pp. 3–40, Academic Press.

Gurjar, A.A., & Ladhake, S.A. (2008). Time-Frequency Analysis of Chanting Sanskrit Divine Sound " OM " Mantra. *IJCSNS Int. J. Comput. Sci. Netw. Secur.* 8 : 170–175.

Hall, J.E., & Hall, M.E. (2020). Guyton and Hall Textbook of Medical Physiology, Guyton Physiology. Elsevier Health Sciences.

Harvey, A.R. (2020). Links Between the Neurobiology of Oxytocin and Human Musicality. *Front. Hum. Neurosci.* 14 : 1–19.

He, H., Chen, Y., Li, T., Li, H., & Zhang, X. (2023). The role of focus back effort in the relationships among motivation, interest, and mind wandering: an individual difference perspective. *Cogn. Res. Princ. Implic.* 8.

Hendarmin, L.A., Risahmawati, R., Arsyad, A.P., Mardjikoen, B., Fadhilah, M., Ekayanti, F., *et al.* (2023). Smoking, Vaping Behavior, and the Experience of Depressive Symptoms Among High School Students in Jakarta, Indonesia. *Int. J. High Risk Behav. Addict.* 12 : 1–7.

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Herman, J.P. (2013). Neural control of chronic stress adaptation. *Front. Behav. Neurosci.* 7 : 1–12.

Hilfiger, L., Zhao, Q., Kerspern, D., Inquimbert, P., Andry, V., Goumon, Y., *et al.* (2020). A Nonpeptide Oxytocin Receptor Agonist for a Durable Relief of Inflammatory Pain. *Sci. Rep.* 10 : 1–10.

Hill, D., Conner, M., Bristow, M., & O'Connor, D.B. (2023). Daily stress and eating behaviors in adolescents and young adults: Investigating the role of cortisol reactivity and eating styles. *Psychoneuroendocrinology* 153.

Hunter, R.G., Gray, J.D., & McEwen, B.S. (2018). The neuroscience of resilience. *J. Soc. Social Work Res.* 9 : 305–339.

Israelashvili, J. (2021). More positive emotions during the COVID-19 pandemic are associated with better resilience, especially for those experiencing more negative emotions. *Front. Psychol.* 12.

Jabès, A., Klencklen, G., Ruggeri, P., Antonietti, J.P., Banta Lavenex, P., & Lavenex, P. (2021). Age-Related Differences in Resting-State EEG and Allocentric Spatial Working Memory Performance. *Front. Aging Neurosci.* 13.

Jasek, R., Strmiska, M., Otrokovice, G., & Koudelková, Z. (2018). Analysis of brain waves according to their frequency Integrated security system management View project Polymorphous encryption View project.

Jasper, B. (2014). Transmitting the message of the gospel to youth. *Int. Rev. Mission*.

JK, M., B, R., & Joseph, J. (2019). Oxytocin-functions: an overview. *MOJ Anat. Physiol.* 6 : 128–133.

Kadmiel, M., & Cidlowski, J.A. (2013). Glucocorticoid receptor signaling in health and disease. *Trends Pharmacol. Sci.* 34 : 518–530.

Kageyama, K., Iwasaki, Y., & Daimon, M. (2021). Hypothalamic regulation of corticotropin-releasing factor under stress and stress resilience. *Int. J. Mol. Sci.* 22.

Karo, M.B., Perangin-Angin, I.H., Novitarum, L., Derang, I., Veronika, A., & Simorangkir, R.O. (2020). The effect of taize meditation on anxiety levels in students of ners program study stikes Santa Elisabeth Medan. *Ann. Rom. Soc. Cell Biol.* 24 : 93–98.

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

KeunhoYoo, K., Xiu, B., Nader, G., Graff, A., Gerretsen, P., Zomorrodi, R., *et al.* (2024). Power spectral analysis of resting-state EEG to monitor psychological resilience to stress. *Psychiatry Res. Commun.* 4 : 100175.

Khayretdinova, M., Shovkun, A., Degtyarev, V., Kiryasov, A., Pshonkovskaya, P., & Zakharov, I. (2022). Predicting age from resting-state scalp EEG signals with deep convolutional neural networks on TD-brain dataset. *Front. Aging Neurosci.* 14.

Kim, H.G., Cheon, E.J., Bai, D.S., Lee, Y.H., & Koo, B.H. (2018). Stress and heart rate variability: A meta-analysis and review of the literature. *Psychiatry Investig.* 15 : 235–245.

Klier, C., & Buratto, L.G. (2020). Stress and long-term memory retrieval: A systematic review. *Trends Psychiatry Psychother.* 42 : 284–291.

KOÇYİĞİT, Ü.M. (2017). The Effects of Oxytocin and Oxytocin Receptor Antagonist Atosiban on the Carbonic Anhydrase and Acetylcholinesterase Enzymes from Lung Tissues of Rats. *Cumhur. Sci. J.* 38 : 450–460.

Koelsch, S. (2014). Brain correlates of music-evoked emotions. *Nat. Rev. Neurosci.*

Kopańska, M., Ochojska, D., Dejnowicz-Velitchkov, A., & Banaś-Ząbczyk, A. (2022). Quantitative Electroencephalography (QEEG) as an Innovative Diagnostic Tool in Mental Disorders. *Int. J. Environ. Res. Public Health* 19.

Koudela-Hamila, S., Smyth, J., Santangelo, P., & Ebner-Priemer, U. (2020). Examination stress in academic students: a multimodal, real-time, real-life investigation of reported stress, social contact, blood pressure, and cortisol. *J. Am. Coll. Heal.* 0 : 1–12.

Kreutz, G., Bongard, S., Rohrmann, S., Hodapp, V., & Grebe, D. (2004). Effects of choir singing or listening on secretory immunoglobulin A, cortisol, and emotional state. *J. Behav. Med.* 27 : 623–635.

Kristenson, M., Garvin, P., & Lundberg, U. (2012). The Role of Saliva Cortisol Measurement in Health and Disease, The Role of Saliva Cortisol Measurement in Health and Disease. Bentham Science Publishers.

Kropotov, J.D. (2016). Introduction, in: Kropotov, J.D. (Ed.), *Functional Neuromarkers for Psychiatry*. pp. 79–80, San Diego : Academic Press.

Le, Y.K., Piedmont, R.L., & Wilkins, T.A. (2019). Spirituality, religiousness, personality as predictors of stress and resilience among middle-aged Vietnamese-Born American Catholics. *Ment. Heal. Relig. Cult.* 22 : 754–768.

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Leaver, A.M., Yang, H., Siddarth, P., Vlasova, R.M., Krause, B., St. Cyr, N., *et al.* (2018). Resilience and amygdala function in older healthy and depressed adults. *J. Affect. Disord.* 237 : 27–34.

Lee, J.H., Nam, S.K., Kim, A.R., Kim, B., Lee, M.Y., & Lee, S.M. (2013). Resilience: A meta-analytic approach. *J. Couns. Dev.* 91 : 269–279.

Lian, J., Xu, L., Song, T., Peng, Z., Zhang, Z., An, X., *et al.* (2023). Reduced Resting-State EEG Power Spectra and Functional Connectivity after 24 and 36 Hours of Sleep Deprivation. *Brain Sci.* 13.

Liedke, M. (2018). Neurophysiological benefits of worship. *J. Biblic. Found. Faith Learn.* 3.

Liu, H., Zhang, C., Ji, Y., & Yang, L. (2018). Biological and Psychological Perspectives of Resilience: Is It Possible to Improve Stress Resistance? *Front. Hum. Neurosci.* 12 : 1–12.

Liu, J.J.W., Reed, M., & Girard, T.A. (2017). Advancing resilience: An integrative, multi-system model of resilience. *Pers. Individ. Dif.* 111 : 111–118.

Lupien, S.J., Juster, R.P., Raymond, C., & Marin, M.F. (2018). The effects of chronic stress on the human brain: From neurotoxicity, to vulnerability, to opportunity. *Front. Neuroendocrinol.* 49 : 91–105.

Lyall, D.M., Cullen, B., Allerhand, M., Smith, D.J., Mackay, D., Evans, J., *et al.* (2016). Cognitive test scores in UK biobank: Data reduction in 480,416 participants and longitudinal stability in 20,346 participants. *PLoS One* 11 : 1–10.

Lynch, J., Prihodova, L., Dunne, P.J., Carroll, Á., Walsh, C., McMahon, G., *et al.* (2018). Mantra meditation for mental health in the general population: a systematic review. *Eur. J. Integr. Med.* 23 : 101–108.

Machado, L., & Cantilino, A. (2017). A systematic review of the neural correlates of positive emotions. *Rev. Bras. Psiquiatr.* 39 : 172–179.

Machida, S., Sunagawa, M., & Takahashi, T. (2018). Oxytocin Release during the Meditation of Altruism and Appreciation (Arigato-Zen). *Int. J. Neurol. Res.* 4 : 364–370.

Magan, D., Yadav, R.K., Bal, C.S., Mathur, R., & Pandey, R.M. (2019). Brain Plasticity and Neurophysiological Correlates of Meditation in Long-Term Meditators: A 18 Fluorodeoxyglucose Positron Emission Tomography Study Based on an Innovative Methodology. *J. Altern. Complement. Med.* 25 : 1172–

Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

1182.

Maier, S.F. (2015). Behavioral control blunts reactions to contemporaneous and future adverse events: Medial prefrontal cortex plasticity and a corticostriatal network. *Neurobiol. Stress* 1 : 12–22.

Manita, E., Mawarpury, M., Khairani, M., & Sari, K. (2019). Hubungan Stres dan Kesejahteraan (Well-being) dengan Moderasi Kebersyukuran. *Gadjah Mada J. Psychol.* 5 : 178.

Martopo, H. (2021). Role of Taizé music in Catholic adoration and Protestant ecumenical community in Yogyakarta. *J. Urban Soc. Arts* 8 : 28–35.

Mateos-Aparicio, P., & Rodríguez-Moreno, A. (2019). The impact of studying brain plasticity. *Front. Cell. Neurosci.* 13 : 1–5.

Matud, M.P., Díaz, A., Bethencourt, J.M., & Ibáñez, I. (2020). Stress and psychological distress in emerging adulthood: a gender analysis. *J. Clin. Med.* 9 : 2859.

McCrary, J.M., & Altenmüller, E. (2021). Mechanisms of Music Impact: Autonomic Tone and the Physical Activity Roadmap to Advancing Understanding and Evidence-Based Policy. *Front. Psychol.* 12.

McCraty, R., & Shaffer, F. (2015). Heart rate variability: new perspectives on physiological mechanisms, assessment of self-regulatory capacity, and health risk. *Glob. Adv. Heal. Med.* 4 : 46–61.

McEwen, B.S. (2017). Neurobiological and Systemic Effects of Chronic Stress. *Chronic Stress* 1.

McEwen, B.S., Gray, J.D., & Nasca, C. (2015). 60 YEARS OF NEUROENDOCRINOLOGY: Redefining neuroendocrinology: stress, sex and cognitive and emotional regulation. *J. Endocrinol.* 226 : T67–T83.

McManus, E., Haroon, H., Duncan, N.W., Elliott, R., & Muhlert, N. (2022). The effects of stress across the lifespan on the brain, cognition and mental health: A UK biobank study. *Neurobiol. Stress* 18 : 100447.

Medina, A.M., Hagenauer, M.H., Krolewski, D.M., Hughes, E., Forrester, L.C.T., Walsh, D.M., *et al.* (2023). Neurotransmission-related gene expression in the frontal pole is altered in subjects with bipolar disorder and schizophrenia. *Transl. Psychiatry* 13 : 1–14.

Metzen, D., Genç, E., Getzmann, S., Larra, M.F., Wascher, E., & Ocklenburg, S.

Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

(2022). Frontal and parietal EEG alpha asymmetry: a large-scale investigation of short-term reliability on distinct EEG systems. *Brain Struct. Funct.* 227 : 725–740.

Meyer, T., Quaedflieg, C.W.E.M., Weijland, K., Schruers, K., Merckelbach, H., & Smeets, T. (2018). Frontal EEG asymmetry during symptom provocation predicts subjective responses to intrusions in survivors with and without PTSD. *Psychophysiology* 55.

Mishra, S., R, A., Sailesh, K.S., Bashetti, S., Ashok, S., Reddy, U.K., *et al.* (2017). Beneficial effects of OM chanting on perceived stress, auditory and visual reaction time in private school teachers. *Int. J. Res. Ayurveda Pharm.* 8 : 79–81.

Mohandas, E. (2008). Neurobiology of Spirituality. *Mens Sana Monogr.* 6 : 63.

Morin, A., & Racy, F. (2021). Chapter 15 - Dynamic self-processes, in: Rauthmann, J.F. (Ed.), *The Handbook of Personality Dynamics and Processes*. pp. 365–386, Academic Press.

Munoz, R.T., Hoppes, S., Hellman, C.M., Brunk, K.L., Bragg, J.E., & Cummins, C. (2018). The Effects of Mindfulness Meditation on Hope and Stress. *Res. Soc. Work Pract.* 28 : 696–707.

Murison, R. (2016). The Neurobiology of Stress, Neuroscience of Pain, Stress, and Emotion. Elsevier Inc.

Nawata, K., Matsumoto, A., Kajihara, R., & Kimura, M. (2017). Evaluation of the Distribution and Factors Affecting Blood Pressure Using Medical Checkup Data in Japan. *Health (Irvine. Calif).* 09 : 124–137.

Newberg, A., Pourdehnad, M., Alavi, A., & D'Aquili, E.G. (2003). Cerebral blood flow during meditative prayer: Preliminary findings and methodological issues. *Percept. Mot. Skills* 97 : 625–630.

Newman, B.M., & Newman, P.R. (2012). Development Through Life: A Psychosocial Approach, 11th ed. Belmont : Cengage Learning.

Nozdrachev, A.D., Kotel'nikov, S.A., Mazhara, I.P., & Naumov, K.M. (2005). A view on the cardiac rhythm control: intracardial regulation. *Fiziol. Cheloveka* 31 : 116–129.

Oakley, R.H., & Cidlowski, J.A. (2013). The biology of the glucocorticoid receptor: New signaling mechanisms in health and disease. *J. Allergy Clin. Immunol.* 132 : 1033–1044.

Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Omboni, S., Aristizabal, D., De La Sierra, A., Dolan, E., Head, G., Kahan, T., *et al.* (2016). Hypertension types defined by clinic and ambulatory blood pressure in14143 patients referred to hypertension clinics worldwide. Data from the ARTEMIS study. *J. Hypertens.* 34 : 2187–2198.

Oster, H., Challet, E., Ott, V., Arvat, E., de Kloet, E.R., Dijk, D.J., *et al.* (2017). The functional and clinical significance of the 24-hour rhythm of circulating glucocorticoids. *Endocr. Rev.* 38 : 3–45.

Pandia, V., Fitriana, E., Afriandi, I., Purba, F.D., Danasasmita, F.S., Ichsan, A., *et al.* (2022). Psychometric evaluation of the interpersonal needs questionnaire in the Indonesian language. *PLoS One* 17.

Pastor, J., Vega-Zelaya, L., & Abad, E.M. (2020). Necessity of Quantitative EEG for Daily Clinical Practice, in: Nakano, H. (Ed.), *Electroencephalography*. Rijeka : IntechOpen.

Peltzer, K., Yi, S., & Pengpid, S. (2017). Suicidal behaviors and associated factors among university students in six countries in the Association of Southeast Asian Nations (ASEAN). *Asian J. Psychiatr.* 26 : 32–38.

Perry, G., Polito, V., & Thompson, W.F. (2016). Chanting meditation improves mood and social cohesion [WWW Document]. URL https://www.researchgate.net/publication/319851087_Chanting_Meditation_Improves_Mood_and_Social_Cohesion

Plante, T.G. (Ed.) (2010). Contemplative Practices in Action: Spirituality, Meditation, and Health. California : Praeger.

Ponce, P., Del Arco, A., & Loprinzi, P. (2019). Physical activity versus psychological stress: Effects on salivary cortisol and working memory performance. *Med.* 55.

Popa, L.L., Dragos, H., Pantelemon, C., Rosu, O.V., & Strilciuc, S. (2020). The Role of Quantitative EEG in the Diagnosis of Neuropsychiatric Disorders. *J. Med. Life* 13 : 8–15.

Porges, S.W. (2023). The vagal paradox: A polyvagal solution. *Compr. Psychoneuroendocrinology* 16 : 100200.

Porges, S.W. (2022). Ancient rituals, contemplative practices, and vagal pathways, in: *Coping Rituals in Fearful Times*. pp. 43–64, Cham : Springer International Publishing.

Porges, S.W. (2017). Vagal Pathways: Portals to Compassion. *Oxford Handb.*

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Compassion Sci. 189–202.

Porges, S.W. (2009). NIH Public Access. *Cleve Clin J Med* 76.

Porges, S.W. (2007). The polyvagal perspective. *Biol. Psychol.* 74 : 116–143.

Porges, S.W. (2001). The polyvagal theory : phylogenetic substrates of a social nervous system. *Int. J. Physiol.* 42 : 123–46.

Porges, S.W. (1995). Orienting in a defensive world: Mammalian modifications of our evolutionary heritage. A Polyvagal Theory. *Psychophysiology* 32 : 301–318.

Porges, S.W., & Dana, D. (Eds.) (2018). Clinical Application of The Polyvagal Theory: The Emergence of Polyvagal-Informed Therapies. New York : WW Norton.

Porges, S.W., & Lewis, G.F. (2010). The polyvagal hypothesis: Common mechanisms mediating autonomic regulation, vocalizations and listening, Handbook of Behavioral Neuroscience. Elsevier B.V.

Propper, R.E., Pierce, J., Geisler, M.W., Christman, S.D., & Bellorado, N. (2012). Asymmetry in Resting Alpha Activity: Effects of Handedness. *Open J. Med. Psychol.* 01 : 86–90.

Puchalski, C., Ferrell, B., Virani, R., Otis-Green, S., Baird, P., Bull, J., *et al.* (2009). Improving the quality of spiritual care as a dimension of palliative care: The report of the consensus conference. *J. Palliat. Med.* 12 : 885–904.

Quaedflieg, C.W.E.M. (2016). Stress resilience : learning from imaging the brain. maastricht university.

Rabasa, C., & Dickson, S.L. (2016). Impact of stress on metabolism and energy balance. *Curr. Opin. Behav. Sci.* 9 : 71–77.

RavenFon (2017). 5 (Non-Spiritual) Activities That Promote Spiritual Growth [WWW Document]. URL https://mysticalraven.com/spirituality/6293/5-non-spiritual-activities-that-promote-spiritual-growth (accessed 11.7.23).

Rayi, A., & Murr, N. (2022). Electroencephalogram [WWW Document]. URL https://www.ncbi.nlm.nih.gov/books/NBK563295/ (accessed 11.7.23).

Rettew, D.C., & McKee, L. (2005). Temperament and Its Role in Developmental Psychopathology. *Harv. Rev. Psychiatry* 13 : 14–27.

Rhoades, R.A., & Bell, D.R. (2017). Medical Physiology: Principles for Clinical Medicine, 5th ed, Wolters Kluwer. Wolters Kluwer.

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Rim, J.I., Ojeda, J.C., Svob, C., Kayser, J., Drews, E., Kim, Y., *et al.* (2019). Current Understanding of Religion, Spirituality, and Their Neurobiological Correlates. *Harv. Rev. Psychiatry* 27 : 303–316.

Riskesdas, T. (2019). Riset Kesehatan Dasar 2018: Laporan Provinsi DI Yogyakarta, Lembaga Penerbit Badan Litbang Kesehatan. Jakarta : .

Roberto, A., Sellon, A., Cherry, S.T., Hunter-Jones, J., & Winslow, H. (2020). Impact of spirituality on resilience and coping during the COVID-19 crisis: a mixed-method approach investigating the impact on women. *Health Care Women Int.* 41 : 1313–1334.

Robertson, D., Biaggioni, I., Burnstock, G., Low, P.A., & Paton, J.F.R. (Eds.) (2012). Primer on the Autonomic Nervous System, 3rd ed. San Diego : .

Rodriquez, E.J., Kim, E.N., Sumner, A.E., Nápoles, A.M., & Pérez-Stable, E.J. (2019). Allostatic Load: Importance, Markers, and Score Determination in Minority and Disparity Populations. *J. Urban Heal.* 96 : 3–11.

Rojas-Carvajal, M., Sequeira-Cordero, A., & Brenes, J.C. (2022). The environmental enrichment model revisited: A translatable paradigm to study the stress of our modern lifestyle. *Eur. J. Neurosci.* 55 : 2359–2392.

Rösner, C., Tüscher, O., & Petrowski, K. (2023). Resilience as a predictor of habituation. *Eur. Arch. Psychiatry Clin. Neurosci.*

Ross, I.R.F. (2012). PORGES AND THE POLYVAGAL THEORY Reflections on clinical and therapeutic significance [WWW Document].

Saad, M., & De, R. (2012). Spiritual-religious coping – health services empowering patients' resources, in: *Complementary Therapies for the Contemporary Healthcare*. InTech.

Sadock, B.J., Sadock, V.A., & Ruiz, P. (2017). Kaplan and Sadock's Comprehensive Textbook of Psychiatry. Wolters Kluwer Health.

Saeed, A., Bahnassy, A., Al-Hamdan, N., Almudhaibery, F., & Alyahya, A. (2016). Perceived stress and associated factors among medical students. *J. Fam. Community Med.* 23 : 166.

Sandi, C., & Haller, J. (2015). Stress and the social brain: Behavioural effects and neurobiological mechanisms. *Nat. Rev. Neurosci.* 16 : 290–304.

Saslow, L.R., John, O.P., Piff, P.K., Willer, R., Wong, E., Impett, E.A., *et al.* (2013). The social significance of spirituality: New perspectives on the

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

compassion-altruism relationship. *Psycholog. Relig. Spiritual.* 5 : 201–218.

Scally, B., Burke, M.R., Bunce, D., & Delvenne, J.F. (2018). Resting-state EEG power and connectivity are associated with alpha peak frequency slowing in healthy aging. *Neurobiol. Aging* 71 : 149–155.

Schjødt, U., Stødkilde-Jørgensen, H., Geertz, A.W., & Roepstorff, A. (2008). Rewarding prayers. *Neurosci. Lett.* 443 : 165–168.

Schladt, T.M., Nordmann, G.C., Emilius, R., Kudielka, B.M., De Jong, T.R., & Neumann, I.D. (2017). Choir versus solo singing: Effects on mood, and salivary oxytocin and cortisol concentrations. *Front. Hum. Neurosci.* 11 : 1–9.

Schüttler, D., Hamm, W., Bauer, A., & Brunner, S. (2020). Routine heart rate-based and novel ecg-based biomarkers of autonomic nervous system in sports medicine. *Dtsch. Z. Sportmed.* 71 : 141–150.

Scrivener, C.L., & Reader, A.T. (2022). Variability of EEG electrode positions and their underlying brain regions: visualizing gel artifacts from a simultaneous EEG-fMRI dataset. *Brain Behav.* 12 : 1–10.

Seena., & Ravindranadan, V. (2016). Effectiveness of psycho-spiritual interventions on emotional intelligence and psychological resilience of juvenile delinquents. *J. Indian Psychol.* 4 : 60–69.

Seghier, M.L. (2013). The angular gyrus: Multiple functions and multiple subdivisions. *Neuroscientist* 19 : 43–61.

Sekar, L., Niva, W., Maheshkumar, K., Thangavel, G., Manikandan, A., Silambanan, S., *et al.* (2019). Effect of Mahamantra Chanting on Autonomic and Cognitive Functions-An Interventional Study. *J. Clin. DIAGNOSTIC Res.* 1–6.

Shaffer, F., & Ginsberg, J.P. (2017). An Overview of Heart Rate Variability Metrics and Norms. *Front. Public Heal.* 5 : 1–17.

Sharma, V., Marin, D.B., Koenig, H.K., Feder, A., Iacoviello, B.M., Southwick, S.M., *et al.* (2017). Religion, spirituality, and mental health of U.S. military veterans: Results from the National Health and Resilience in Veterans Study. *J. Affect. Disord.* 217 : 197–204.

Shattuck, E.C., & Muehlenbein, M.P. (2020). Religiosity/Spirituality and Physiological Markers of Health. *J. Relig. Health* 59 : 1035–1054.

Silva, P.H.R., Spedo, C.T., Barreira, A.A., & Leoni, R.F. (2018). Symbol Digit

Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Modalities Test adaptation for Magnetic Resonance Imaging environment: A systematic review and meta-analysis. *Mult. Scler. Relat. Disord.* 20 : 136–143.

Silvani, A., Calandra-Buonaura, G., Dampney, R.A.L., & Cortelli, P. (2016). Brain-heart interactions: Physiology and clinical implications. *Philos. Trans. R. Soc. A Math. Phys. Eng. Sci.* 374.

Silverthorn, D.U. (2016). Human Physiology: An Integrated Approach, Global Edition, 7th editio. ed, Pearson. Pearson Education.

Simpson, F.M., Perry, G., & Thompson, W.F. (2021). Assessing Vocal Chanting as an Online Psychosocial Intervention. *Front. Psychol.* 12 : 1–12.

Simpson, S. (2018). Stress Triggers, the Effects Stress Has on Social, Mental and Physical Behavior in College Students, and the Coping Mechanisms Used. Wolters Kluwer.

Smith, B.W., Epstein, E.M., Ortiz, J.A., Christopher, P.J., & Tooley, E.M. (2013). The Foundations of Resilience: What Are the Critical Resources for Bouncing Back from Stress?, in: Prince-Embury, S., & D.H., S. (Eds.), *Resilience in Children, Adolescents, and Adults: Translating Research into Practice,*. pp. 167–187, New York : Springer Science+Business Media.

Smith, J., Charles, G., & Hesketh, I. (2015). Developing understanding of the spiritual aspects to resilience. *Int. J. Public Leadersh.* 11 : 34–45.

Smith, L., Webber, R., & DeFrain, J. (2013). Spiritual well-being and its relationship to resilience in young people: a mixed methods case study. *SAGE Open* 3 : 1–16.

Sood, A., Prasad, K., Schroeder, D., & Varkey, P. (2011). Stress management and resilience training among department of medicine faculty: a pilot randomized clinical trial. *J. Gen. Intern. Med.* 26 : 858–861.

Stephens, M.A.C., & Wand, G. (2012). Stress and the HPA axis: Role of glucocorticoids in alcohol dependence. *Alcohol Res. Curr. Rev.* 34 : 468–483.

Suryanto, Y.I., Pramudita, E.A., & Nugraha, L.N. (2022). The Autonomic Nervous System and Big Five Personality, in: *BIO Web of Conferences*. pp. 1–5.

Susanto, H. (Penerjemah) (2013). Kompendium katekismus gereja katolik, Kanisius.

Svendsen, J.L., Osnes, B., Binder, P.E., Dundas, I., Visted, E., Nordby, H., *et al.* (2016). Trait Self-Compassion Reflects Emotional Flexibility Through an

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

Association with High Vagally Mediated Heart Rate Variability. *Mindfulness (N. Y).* 7 : 1103–1113.

Tabibnia, G. (2020). An affective neuroscience model of boosting resilience in adults. *Neurosci. Biobehav. Rev.*

Takayanagi, Y., & Onaka, T. (2022). Roles of Oxytocin in Stress Responses, Allostasis and Resilience. *Int. J. Mol. Sci.* 23.

Tay, P.K.C., & Lim, K.K. (2020). Psychological resilience as an emergent characteristic for well-being: a pragmatic view. *Gerontology* 66 : 476–483.

Taylor, S.E. (2018). Health Psychology, 10th ed. New York : Mc Graw Hill Education.

Teo, J.T., Johnstone, S.J., & Thomas, S.J. (2023). Use of portable devices to measure brain and heart activity during relaxation and comparative conditions: Electroencephalogram, heart rate variability, and correlations with self-report psychological measures. *Int. J. Psychophysiol.* 189 : 1–10.

Ting, R.S.K., Aw Yong, Y.Y., Tan, M.M., & Yap, C.K. (2021). Cultural Responses to Covid-19 Pandemic: Religions, Illness Perception, and Perceived Stress. *Front. Psychol.* 12 : 1–19.

Tolahunase, M.R., Sagar, R., Faiq, M., & Dada, R. (2018). Yoga- and meditation-based lifestyle intervention increases neuroplasticity and reduces severity of major depressive disorder: A randomized controlled trial. *Restor. Neurol. Neurosci.* 36 : 423–442.

Tortora, G.J., & Derrickson, B. (2009). Principles of Anatomy and Physiology, 12th ed, Biosystems and Biorobotics. USA : John Wiley & Sons, Inc.

Truitt, G. (1987). Lessons from Taizé. *Liturgy* 6 : 85–86.

Tsalouchidou, P.E., Müller, C.J., Belke, M., Zahnert, F., Menzler, K., Trinka, E., *et al.* (2023). Verbal memory depends on structural hippocampal subfield volume. *Front. Neurol.* 14 : 1–7.

Tugade, M.M., & Fredrickson, B.L. (2004). Resilient individuals use positive emotions to bounce back from negative emotional experiences. *J. Pers. Soc. Psychol.* 86 : 320–333.

Underwood, L.G. (2011). The daily spiritual experience scale: Overview and results. *Religions* 2 : 29–50.

Underwood, L.G. (2006). Ordinary spiritual experience: qualitative research,

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
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Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

interpretive guidelines, and population distribution for the daily spiritual experience scale. *Arch. Psychol. Relig.* 28 : 181–218.

van der Werff, S.J.A., van den Berg, S.M., Pannekoek, J.N., Elzinga, B.M., & van der Wee, N.J.A. (2013). Neuroimaging resilience to stress: a review. *Front. Behav. Neurosci.* 7 : 1–14.

van Son, D., de Rover, M., De Blasio, F.M., van der Does, W., Barry, R.J., & Putman, P. (2019). Electroencephalography theta/beta ratio covaries with mind wandering and functional connectivity in the executive control network. *Ann. N. Y. Acad. Sci.* 1452 : 52–64.

van Wijnen, V.K., Finucane, C., Harms, M.P.M., Nolan, H., Freeman, R.L., Westerhof, B.E., *et al.* (2017). Noninvasive beat-to-beat finger arterial pressure monitoring during orthostasis: a comprehensive review of normal and abnormal responses at different ages. *J. Intern. Med.* 282 : 468–483.

Vickhoff, B., Malmgren, H., Åström, R., Nyberg, G., Ekström, S.-R., Engwall, M., *et al.* (2013). Music structure determines heart rate variability of singers. *Front. Psychol.* 4 : 1–16.

Voss, P., Thomas, M.E., Cisneros-Franco, J.M., & de Villers-Sidani, É. (2017). Dynamic Brains and the Changing Rules of Neuroplasticity: Implications for Learning and Recovery. *Front. Psychol.* 8 : 1–11.

Wahbeh, H., Cannard, C., Kriegsman, M., & Delorme, A. (2023). Chapter 2 - Evaluating brain spectral and connectivity differences between silent mind-wandering and trance states, in: Ben-Soussan, T.D., Glicksohn, J., & Srinivasan, N. (Eds.), *Neurophysiology of Silence Part A: Empirical Studies*, Progress in Brain Research. pp. 29–61, Elsevier.

Walker-Harding, L.R., Christie, De., Joffe, A., Lau, J.S., & Neunstein, L. (2017). Young Adult Health and Well-Being: A Position Statement of the Society for Adolescent Health and Medicine. *J. Adolesc. Heal.* 60 : 758–759.

Wang, Q., Tao, Y., Yuan, J., Jiang, Z., Ding, Z., Zhang, Z., *et al.* (2019). Application of Brodmann's Area Maps for Cortical Localization of Tactile Perception Evoked by Fabric Touch. *Fibers Polym.* 20 : 876–885.

Wei, H., Chang, L., Huang, Q., & Zhou, R. (2020). Relation between spontaneous electroencephalographic theta/beta power ratio and test anxiety. *Neurosci. Lett.* 737.

Weinberger, M.I., Hofstein, Y., & Whitbourne, S.K. (2008). Intimacy in young

UNIVERSITAS GADJAH MADA
Pengaruh Ibadat Taize terhadap Resiliensi Stres, Tingkat Stres, dan Tingkat Spiritualitas Dewasa Muda: Kajian Terhadap Fungsi Sistem Saraf Otonom, Kardiovaskular, dan Endokrin, serta Perubahan Gelombang Otak
Yanti Ivana Suryanto, Dr. dr. Denny Agustiningsih, M.Kes, AIFM, AIFO-K; Dr. dr. Zaenal Muttaqien Sofro, AIFM, Spor
Universitas Gadjah Mada, 2024 | Diunduh dari http://etd.repository.ugm.ac.id/

adulthood as a predictor of divorce in midlife. *Pers. Relatsh.* 15 : 551–557.

Wen, T.Y., & Aris, S.A.M. (2020). Electroencephalogram (EEG) stress analysis on alpha/beta ratio and theta/beta ratio. *Indones. J. Electr. Eng. Comput. Sci.* 17 : 175–182.

Widmaier, E.P., Raff, H., Strang, K.T., & Shoepe, T.C. (2019). Vander's Human Physiology: The Mechanisms of Body Function, 15th ed. New York : McGraw-Hill Education.

Winter, M., & Tyree, K. (2016). Polyvagal Theory, in: *Encyclopedia of Evolutionary Psychological Science*. pp. 1–5, Cham : Springer International Publishing.

Wu, M.H., & Chang, T.C. (2021). Evaluation of Effect of Music on Human Nervous System by Heart Rate Variability Analysis Using ECG Sensor. *Sensors Mater.* 33 : 739–753.

Xiang, L., Zeng, X., Luo, Y., Tan, S., Wang, F., & Mao, X. (2024). The association between psychological resilience and hair cortisol concentration in adults: A systematic review and meta-analysis. *Int. J. Psychiatry Med.* 59 : 182–198.

Young, E.S., Doom, J.R., Farrell, A.K., Carlson, E.A., Englund, M.M., Miller, G.E., *et al.* (2021). Life stress and cortisol reactivity: An exploratory analysis of the effects of stress exposure across life on HPA-axis functioning. *Dev. Psychopathol.* 33 : 301–312.

Zarate, J.M. (2013). The neural control of singing. *Front. Hum. Neurosci.* 7 : 1–12.

Zhu, H., Poole, J., Lu, Y., Harshfield, G., Treiber, F., Snieder, H., *et al.* (2005). Sympathetic Nervous System , Genes and Human Essential Hypertension.