

## DAFTAR PUSTAKA

- Abdila, Ajeng A., Situmorang, Arif T., Hidayat, M., Buhroni, Akhmad F., Septyana, F., Yulivan, I., & Sutrasna, Y., 2022. The Effect of Unemployment and Poverty on Criminality in East Java Province in Supporting State Defense. *Journal of Research in Bussiness, Economics, and Education*, 4(4), pp. 13–19.
- Abdolmaleky, H. M., Yaqubi, S., Papageorgis, P., Lambert, A. W., Ozturk, S., Sivaraman, V., & Thiagalingam, S., 2011. Epigenetic Dysregulation of *HTR2A* in the Brain of Patients with Schizophrenia and Bipolar Disorder. *Schizophrenia Research*, 129(2–3), pp. 183–190.
- Anderson, C. A. & Bushman, B. J., 2002. Human aggression. *Annual Review of Psychology*, 53(1), pp. 27–51.
- Arango, V., Huang, Yuang-yu, Underwood, Mark D., & Mann, J. J., 2003. Genetics of the Serotonergic System in Suicidal Behavior. *Journal of Psychiatric Research*, 37, pp. 375–386.
- Archer, J., 1988. *The behavioural biology of aggression*. Cambridge: Cambridge University Press.
- Archer, J., 2009. The nature of human aggression. *Int. J. Law Psychiatry*, 32, pp. 202–208.
- Badan Pusat Statistik (BPS), 2020. *Statistik Kriminal 2020*. Jakarta: BPS RI.
- Bandelow, B. & Meier, A., 2003. Aripiprazole, A “Dopamine-Serotonin System Stabilizer” in the Treatment of Psychosis. *German Journal of Psychiatry*, 6, pp. 9–13.
- Bandura, A., 1973. *Aggression: A Social Learning Analysis*., New York (NJ): Prentice-Hall.
- Banlaki, Z., Elek, Z., Nanasi, T., Szekely, A., Nemoda, Z., Sasvari-Szekely, M., & Ronai, Z., 2015. Polymorphism in the Serotonin Receptor 2A (HTR2A) Gene as Possible Predisposal Factor for Aggressive Traits. *PLOS One*, 10(2), pp. 1–18.
- Bao, A. M. & Swaab, D. F., 2019. The human hypothalamus in mood disorders: The HPA axis in the center. *IBRO Reports* 6, pp. 45–53.
- Baron, Robert A. & Richardson, Deborah R., 1994. *Human Aggression*, 2<sup>nd</sup> ed. New York (NJ): Plenum Press.
- Bass, C., Nikou, D., Vontas, J., Williamson, Martin S., & Field, Linda M., 2020. Development of High-throughput Real-time PCR Assays for the Identification of Insensitive Acetylcholinesterase (*ace-1<sup>R</sup>*) in *Anopheles gambiae*. *Pesticide Biochemistry and Physiology*, 96(2), pp. 80–85.
- Berggård, C., Damberg, M., Stadler, E. L., Hallman, J., Orelund, L., & Garpenstrand, H., 2003. The Serotonin 2A -1438 G/A Receptor Polymorphism in A Group of Swedish Male Criminals. *Neurosci. Lett.*, 347(3), pp. 196–198.
- Berkowitz, L., 1993. *Aggression: Its causes, consequences, and control*. New York (NJ): Mc-Graw Hill.
- Bhagavan, N. V. & Chung-Eun, H., 2011. *Essentials of Medical Biochemistry with Clinical Cases*. London: Elsevier Inc.

- Braun, Patricia R., S. Han, B. Hing, Y. Nagahama, Lindsey N. Gaul, Jonathan T. Heinzman, Andrew J. Grossbach, L. Close, Brian J. Dlouhy, Matthew A. Howard III, H. Kawasaki, James B. Potash & G. Shinozaki, 2019. Genome-wide DNA methylation comparison between live human brain and peripheral tissues within individuals. *Translational Psychiatry*, 9(47), pp. 1–10.
- Breedlove, S. Marc & Watson, Neil V., 2017. *Behavioral Neuroscience*, 8<sup>th</sup> ed. Michigan (MI): Sinauer Associates, Inc.
- Brigham, J. C., 1991. *Social Psychology*, 2<sup>nd</sup> ed. New York (NJ): HarperCollins Publishers, Inc.
- Bunzel, R., Blümcke, I., Cichon, S., Normann, S., Schramm, J., Propping, P., & Nöthen, M. M., 1998. Polymorphic imprinting of the serotonin-2A (5-HT2A) receptor gene in human adult brain. *Brain Res Mol Brain Res.*, 59(1), pp. 90–92.
- Burt, S. A., 2009. Are there meaningful etiological differences within antisocial behavior? Results of a meta-analysis. *Clin. Psychol. Rev.*, 29, pp. 163–178.
- Buss, A. H. & Perry, M. P., 1992. The aggression questionnaire. *J. Pers. Soc. Psychol.*, 63(3), pp. 452–459.
- Butovskaya, M. L., Butovskaya, P. R., Vasilyev, V. A., Sukhodolskaya, J. M., Fekhrudinova, D. I., Karelin, D. V., Fedenok, J. N., Mabulla, A. Z. P., Ryskov, A. P., & Lazebny, O. E., 2018. Serotonergic gene polymorphisms (5-HTTLPR, 5HTR1A, 5HTR2A), and population differences in aggression: traditional (Hadza and Datoga) and industrial (Russians) populations compared. *Journal of Physiological Anthropology*, 37(10), pp. 1–11.
- Çetin, Fatih. H., Torun, Yasemin T., & Güney, E., 2017. The Role of Serotonin in Aggression and Impulsiveness. Dalam: *Serotonin: A Chemical Messenger Between All Types of Living Cells*. London: IntechOpen.
- Chakraborty, R., 1992. Sample Size Requirements for Addressing the Population Genetic Issues of Forensic Use of DNA Typing. *Human Biology*, 64(2), pp. 141–159.
- Chapela, María J., Sotelo, Carmen G., & Pérez-Martín, Ricardo I., 2003. Molecular Identification of Cephalopod Species by FINS and PCR-RFLP of A Cytochrome B Gene Fragment. *Eur. Food. Res. Technol.*, 217, pp. 524–529.
- Charnay, Y. & Léger, L., 2010. Brain serotonergic circuitries. *Dialogues Clin. Neurosci.*, 12(4), pp. 471–487.
- Chatzidimopoulos, M., Ganopoulos, I., Moraitou-Daponta, E., Lioliopoulou, F., Ntanti, O., Panagiotaki, P., & Vellios, Evangelos K., 2019. High-Resolution Melting (HRM) Analysis Reveals Genotypic Differentiation of *Venturia inaequalis* Populations in Greece. *Frontiers in Ecology and Evolution*, 7(489), pp. 1–8.
- Cheah, S-Y., Lawford, Bruce R., Mcd. Young, R., Morris, Charles P., & Voisey, J., 2017. mRNA expression and DNA methylation analysis of serotonin receptor 2A (HTR2A) in the human schizophrenic brain. *MDPI*, 14(8), pp. 1–11.
- Clark, David P., Pazdernik, Nanette J., & McGehee, Michelle R., 2018. *Molecular Biology*. 3<sup>rd</sup> ed. London: Academic Press.

- Coppen, A., 1997. The biochemistry of affective disorders. *Br. J. Psychiatry.*, 113(504), pp. 1237–1264.
- Curran, Kevin P. & Chalasani, Sreekanth H., 2012. Serotonin circuits and anxiety: what can invertebrates teach us?. *Invert. Neurosci.*, 12, pp. 81–92.
- Dargis, M. & Koenigs, M., 2017. Witnessing Domestic Violence During Childhood Is Associated with Psychopathic Traits in Adult Male Criminal Offenders. *Law Hum Behav.*, 41(2), pp. 173–179.
- de Boer, S. F., Caramaschi, D., Natarajan, D., & Koolhaas, J. M., 2009. The vicious cycle towards violence: focus on the negative feedback mechanisms of brain serotonin neurotransmission. *Frontiers in Behavioral Neuroscience*, 3(52), pp. 1–6.
- Didehdar, M., Khansarinejad, B., Amirrajab, N., & Shokohi, T., 2016. Development of a high-resolution melting analysis assay for rapid and high-throughput identification of clinically important dermatophyte species. *Mycoses*, 59, pp. 442–449.
- Do, H. D., Krypuy, M., Mitchell, Paul L., Fox, Stephen B., & Dobrovic, A., 2008. High Resolution Melting Analysis for Rapid and Sensitive EGFR and KRAS Mutation Detection in Formalin Fixed Paraffin Embedded Biopsies. *BMC Cancer*, 8(142), pp. 1–14.
- dos Santos Rocha, A., Soares de Amorim, I., de Almeida Simão, T., de Souza da Fonseca, A., Garrido, Rodrigo G., & Mencalha, Andre L., 2017. High-Resolution Melting (HRM) of Hypervariable Mitochondrial DNA Regions for Forensic Science\*. *American Academy of Forensic Sciences*, 63(2), pp. 536–540.
- Du, L., Bakish, D., Lapierre, Y. D., Ravindran, A. V., & Hrdina, P. D., 2000. Association of polymorphism of serotonin 2A receptor gene with suicidal ideation in major depressive disorder. *Am J Med Genet*, 2000(96), pp. 56–60.
- Duke, Aaron A., Begue, L., Bell, R., & Eisenlohr-Moul, T., 2013. Revisiting the serotonin-aggression relation in humans: a meta-analysis. *Psychol Bull.*, 139(5), pp. 114–172.
- Erali, M., Voelkerding, Karl V., & Wittwer, Carl T., 2008. High Resolution Melting Applications for Clinical Laboratory Medicine. *Exp. Mol. Pathol.*, 85(1), pp. 50–58.
- Erwanto, Y., Abidin, Mohammad. Z., Rohman, A., & Sismindari, 2011. PCR-RFLP Using *BseDI* Enzyme for Authentication in Sausage and Nugget Products. *Media Peternakan*, pp. 14–18.
- Erwanto, Y., Sugiyono, Rohman, A., Abidin, Mohammad Z., & Ariyani, D., 2012. Identifikasi Daging Babi Menggunakan Metode PCR-RFLP Gen *Cytochrome b* dan PCR Primer Spesifik Gen Amelogenin. *Agritech*, 32(4), pp. 370–377.
- Falkenberg, Virginia R., Gurbaxani, Brian M., Unger, Elizabeth, R., & Rajeevan, Mangalathu, S., 2011. Functional genomics of serotonin receptor 2A (HTR2A): interaction of polymorphism, methylation, expression and disease association. *Neuromol Med.*, 13, pp. 66–76.
- Faris, A., Hadri H. B. Md. Yusof, Shahidee Z. Abidin, O. Habib, P. Cheah, J. Stanslas, N. Ibrahim, Munn S. Lye, A. Veerakumarasivam, R. Rosli, & King

- H. Ling, 2018. Development and Validation of High-Resolution Melting Assays for High-Throughput Screening of *BDNF* rs6265 and *DAT1* rs40184. *Malaysian Journal of Medicine and Health Sciences*, 14(SP1), pp. 64–71.
- Fergusson, D., Swain-Campbell, N., & Horwood, J., 2004. How does childhood economic disadvantage lead to crime?. *J. Child. Psychol. Psychiatry*, 45(5), pp. 956–966.
- Fernández-Castillo, N. & Cormand, B., 2016. Aggressive behavior in humans: Genes and pathways identified through association studies. *American Journal of Medical Genetics*, 171B(5), pp. 676–696.
- Fomsgaard, L., J. L. Moreno, M. de la Fuente Revenga, T. Brudek, D. Adamsen, C. Rio-Alamos, J. Saunders, A. B. Klein, I. Oliveras, T. Cañete, G. Blazquez, A. Tobeña, A. Fernandez-Teruel, J. Gonzalez-Maeso, & S. Aznar, 2017. Differences in 5-HT2A and mGlu2 receptor expression levels and repressive epigenetic modifications at the 5-HT2A promoter region in the roman low- (RLA-I) and high- (RHA-I) avoidance rat strains. *Mol. Neurobiol.*, 55(3), pp. 1998–2012.
- Fong, W. Y., Ho, C. C., & Poon, W. T., 2017. Comparison of Direct Sequencing, Real-Time PCR-High Resolution Melt (PCR-HRM) and PCR-Restriction Fragment Length Polymorphism (PCR-RFLP) Analysis for Genotyping of Common Thiopurine Intolerant Variant Alleles *NUDT15* c.415C>T and *TPMT* c.719A>G (*TPMT*\*3C)., *Diagnostics*, 7(27), pp. 1–11.
- Gavin, H., 2014. *Criminological and Forensic Psychology*. London: SAGE Publications, Ltd.
- Genis-Mendoza, A., D. Ruiz-Ramos, M. L. López-Narvaez, C. A. Tovilla-Zárate, A. R. García, G. C. Meda, J. J. Martinez-Magaña, T. B. González-Castro, I. E. Juárez-Rojop, & H. Nicolini, 2019. *Brain Behav.*, 9(7), pp. 1–8.
- Ghasemi, A., Seifi, M., Baybordi, F., Danaei, N., & Rad, B. S., 2018. Association between serotonin 2A receptor genetic variations, stressful life events and suicide. *Gene*, 658, pp. 191–197.
- Gibson, E. L., 2018. *Tryptophan supplementation and serotonin function: genetic variations in behavioural effects*. London, The Joint Winter Meeting between the Nutrition Society and the Royal Society of Medicine.
- Giegling, I., Hartmann, A. M., Möller, H., & Rujescu, D., 2006. Anger- and aggression-related traits are associated with polymorphisms in the 5-HT2A gene. *Journal of Affective Disorders*, 96, pp. 75–81.
- Gómez, J. M., Verdú, M., González-Megías, A., & Méndez, M., 2016. The phylogenetic roots of human lethal violence. *NATURE*, 538, PP. 233–242.
- Guan, F., Jin, Y. T., Zhao, J., Xu, A. C., & Luo, Y. Y., 2018. A PCR Method That Can Be Further Developed into PCR-RFLP Assay for Eight Animal Species Identification. *Journal of Analytical Methods in Chemistry*, 2018, pp. 1–6.
- Haller, J., 2014. *Neurobiological Bases of Abnormal Aggression and Violence*. Budapest: Springer-Verlag Wien.
- Haller, J., 2017. Studies into abnormal aggression in humans and rodents: Methodological and translational aspects. *Neuroscience & Biobehavioral Reviews*, 76(Part A), pp. 77–86.

- Harrison, Lucas B. & Hanson, Nancy D., 2017. High-Resolution Melting Analysis for Rapid Detection of Sequence Type 131 *Escherichia coli*. *Antimicrobial Agents and Chemotherapy*, 61(6), pp.1–8.
- Hemmings, S. M. J., Xulu, K., Sommer, J., Hinsberger, M., Malan-Muller, S., Tromp, G., Elber, T., Weierstall, R., & Seedat, S., 2018. Appetitive and reactive aggression are differentially associated with the STin2 genetic variant in the serotonin transporter gene. *Scientific Reports*, 8, pp. 6714–6721.
- Hermann, Henry R., 2017. *Dominance and Aggression in Humans and Other Animals*. London: Elsevier Inc.
- Herr, N., Bode, C., & Duerschmied, D., 2017. The effects of serotonin in immune cells. *Frontiers in Cardiovascular Medicine*, 4(48), pp. 1–11.
- Iishi, K., Matsunaga, M., Noguchi, Y., Yamasue, H., Ochi, M., & Ohtsubo, Y., 2018. A polymorphism of serotonin 2A receptor (5-HT<sub>2A</sub>R) influences delay discounting. *Personality and Individual Differences*, 121, pp. 193–199.
- Jayamohananan, H., Kumar, M. K. M., & T. P., Aneesh, 2019. 5-HIAA as a potential biological marker for neurological and psychiatric disorders. *Advanced Pharmaceutical Bulletin*, 9(3), pp. 374–381.
- Jia, J., Sun, L., Hu, N., Huang, G., & Weng, J., 2012. Graphene Enhances the Specificity of the Polymerase Chain Reaction. *Small*, 8(13), pp. 1–5.
- Johnson, O., Becnel, J., & Nichols, C. D., 2009. Serotonin 5-HT<sub>2</sub> and 5-HT<sub>1A</sub>-like receptors differentially modulate aggressive behaviors in *Drosophila melanogaster*. *Neuroscience*, 158, pp. 1292–1300.
- Kandel, E. R., Schwartz, J. H., Jessell, T. M., Siegelbaum, S. A., Hudspeth, J., & Mack, S., 2013. *Principles of Neural Science*. 5<sup>th</sup> ed. New York (NY): The McGraw-Hill Companies, Inc.
- Karki, R., Pandya, D., Elston, Robert C., & Ferlini, C., 2015. Defining “Mutation” and “Polymorphism” in The Era of Personal Genomics. *BMC Medical Genomics*, 8(37), pp. 1–7.
- Kästner, N., Richter, S. H., Urbanik, S., Kunert, J., Waider, J., Lesch, K., Kaiser, S., & Sachser, N., 2019. Brain serotonin deficiency affects female aggression. *Scientific Reports*, 9, pp. 1366–1374.
- Krakowski, M., 2003. Violence and serotonin: influence of impulse control, affect regulation, and social functioning. *J. Neuropsychiatry Clin. Neurosci.*, 15(3), pp. 294–305.
- Kravitz, E. A., 2000. Serotonin and aggression: insights gained from a lobster model system and speculations on the role of amine neurons in a complex behavior. *J Comp Physiol*, 186, pp. 221–238.
- Li, W. M., Hum T. T., Zhoum L. L., Feng, Y. M., Wang, Y. Y., & Fang, J., 2016. Highly Sensitive Detection of The *PIK3CA*<sup>H1047R</sup> Mutation in Colorectal Cancer Using A Novel PCR-RFLP Method. *BMC Cancer*, 16(454), pp 1–11.
- Linnoila, M., Virkkunen, M., Scheinin, M., Nuutila, A., Rimon, R., & Goodwin, F. K., 1983. Low cerebrospinal fluid 5-hydroxyindoleacetic acid concentration differentiates impulsive from nonimpulsive violent behavior. *Life Science*, 33(26), pp. 2609–2614.



- Lyons, M. J., T. P. York, C. E. Franz, M. D. Grant, L. J. Eaves, K. C. Jacobson, K. W. Schaie, M. S. Panizzon, C. Boake, H. Xian, R. Toomey, S. A. Eisen, & W. S. Kremen, 2009. Genes Determine Stability and the Environment Determines Change in Cognitive Ability During 35 Years of Adulthood. *Psychol Sci.*, 20(9), pp. 1146–1152.
- Manchia, M., Comai, S., Pinna, M., Pinna, F., Fanos, V., Denovan-Wright, E., & Carpiniello, B., 2019. Biomarkers in aggression. Dalam: G. S. Makowski, ed. *Advances in Clinical Chemistry*. San Diego (CA): Elsevier, Inc., pp. 169–237.
- Martino, Al., Mancuso, T., & Rossi, Anna M., 2010. Application of High-resolution Melting to Large-Scale, High-throughput SnP Genotyping: A comparison with the TaqMan® Method. *Society for Biomolecular Sciences*, 15(6), pp. 623–629.
- McCorvy, John D. & Roth, Bryan L., 2015. Structure and function of serotonin G protein coupled receptors. *Pharmacology & Therapeutics*, 150, pp. 129–142.
- Mehta, B., Daniel, R., & McNevin, D., 2018. HRM and SNaPshot As Alternative Forensic SNP Genotyping Methods. *Forensic Sci Med Pathol.*, 13(3), pp. 293–301.
- Meistertzheim, A. L., Calves, I., Artigaud, S., Friedman, Carolyn S., Paillard, C., Laroche, J., & Ferec, C., 2012. High Resolution Melting Analysis for Fast and Cheap Polymorphism Screening of Marine Populations. Protocol Exchange. <http://dx.doi.org/10.1038/protex.2012.015>.
- Mengod, G., Palacios, J. M., & Cortes, R., 2015. Cartography of 5-HT1A and 5-HT2A receptor subtypes in prefrontal cortex and its projections. *ACS Chem. Neurosci.*, 6(7), pp. 1089–1098.
- Millard, Julie T., Chuang, E., Lucas, James S., Nagy, Erzsebet E., & Davis, Griffin T., 2013. Case-Study Investigation of Equine Maternity via PCR-RFLP: A Biochemistry Laboratory Experiment. *Journal of Chemical Education*, 90, pp. 1518–1521.
- Mohammad-Zadeh, L. F., Moses, L., & Gwaltney-Brant, S. M., 2008. Serotonin: A Review. *J. vet. Pharmacol. Therap.*, 31(3), pp. 187–199.
- Montgomery, Jesse L., Sanford, Lindsay N., & Wittwer, Carl T., 2010. High-resolution DNA Melting Analysis in Clinical Research and Diagnostics. *Expert. Rev. Mol. Diagn.*, 10(2), pp. 219–240.
- Najm, M. A., Al-Hadeithi, Z. S. M., & Salih, A. T. A., 2020. Correlating schizophrenia with DRD3 Ser9Gly or HTR2 receptor gene variants by using RFLP method. *Indian Journal of Forensic Medicine & Toxicology*, 14(3), pp. 2063–2068.
- Nelson, Randy J. & Chiavegatto, S., 2001. Molecular basis of aggression. *TRENDS in Neurosciences*, 24(2), pp. 713–719.
- Norton, N. & Owen, M. J., 2005. HTR2A: association and expression studies in neuropsychiatric genetics. *Annals of Medicine*, 37, pp. 121–129.
- Olivier, B., 2004. Serotonin and Aggression. *Ann. N. Y. Acad. Sci.*, 1036, pp. 382–392.

- Ota, M., Fukushima, H., Kulski, Jerzy K., & Inoko, H., 2007. Single Nucleotide Polymorphism Detection by Polymerase Chain Reaction-Restriction Fragment Length Polymorphism. *Nature Protocols*, 2(11), pp. 2857–2864.
- Peñas-Lledó, Eva M., Dorado, P., Cáceres, Macarena C., de la Rubia, A., & Llerena, A., 2007. Association between T102C and A–1438G polymorphisms in the serotonin receptor 2A (5-HT2A) gene and schizophrenia: relevance for treatment with antipsychotic drugs. *Clin Chem Lab Med.*, 45(7), pp. 835–838.
- Pereyra, S., Velazquez, T., Bertoni, B., & Sapiro, R., 2012. Rapid multiplex high resolution melting method to analyze inflammatory related SNPs in preterm birth. *BMC Research Notes*, 5(69), pp. 1–8.
- Pfaff, Donald W. & Joëls, M., 2017. *Hormones, Brain and Behavior*. 3<sup>rd</sup> ed. Oxford: Elsevier, Inc.
- Phabhakaran, J., DeLorenzo, C., Zanderigo, F., Knudsen, G. M., Gillings, N., Pratap, M., Jorgenson, M. J., Daunais, J., Kaplan, J. R., Parsey, R. V., Mann, J. J., & Kumar, J. S. D., 2019. *In vivo* PET Imaging of [<sup>11</sup>C]CIMBI-5, a 5-HT2AR Agonist Radiotracer in Nonhuman Primates. *J. Pharm. Pharm. Sci.*, 22(1), pp. 352–364.
- Prakash, R. V., Sharma, R., & Bhute, A. R., 2019. Concentration of neurotransmitter metabolite 5-hydroxyindoleacetic acid (5-HIAA) in cerebrospinal fluid of individuals with suicidal tendencies: A meta-analysis. *Indian J. Forensic Med. Pathol.*, 12(3), pp. 173–178.
- Puglisi-Allegra, S. & Andolina, D., 2015. Serotonin and stress coping. *Behavioral Brain Research*, 277, pp. 58–67.
- Qadeer, M. I., Amar, A., Huang, Y., Min, E., Galfalvy, H., Hasnain, S., & Mann, J., 2021. Association of serotonin system-related genes with homicidal behavior and criminal aggression in a prison population of Pakistani Origin. *Scientific Reports*, 11, pp. 1670–1681.
- Rennerberg, R., 2008. *Biotechnology for Beginners*. Burlington (MA): Elsevier.
- Ricca, V., B. Nacmias, M. Boldrini, E. Cellini, M. di Bernardo, C. Ravaldi, A. Tedde, S. Bagnoli, G. F. Placidi, C. M. Rotella, & S. Sorbi, 2004. Psychopathological traits and 5-HT<sub>2A</sub> receptor promoter polymorphism (–1438 G/A) in patients suffering from Anorexia Nervosa and Bulimia Nervosa. *Neuroscience Letters*, 365(2), pp. 92–96.
- Rouleau, E., Lefol, C., Bourdon, V., Coulet, F., Noguchi, T., Soubrier, F., Bièche, I., Olschwang, S., Sobol, H., & Lidereau, R., 2009. Quantitative PCR High-Resolution Melting (qPCR-HRM) Curve Analysis, A New Approach to Simultaneously Screen Point Mutations and Large Rearrangements: Application to MLH1 Germline Mutations in Lynch Syndrome. *Hum. Mutat.*, 30(6), pp. 867–875.
- Ruble, C. L., R. M. Smith, J. Calley, L. Munsie, D. C. Airey, Y. Gao, J. H. Shin, T. M. Hyde, R. E. Straub, D. R. Weinberg, & L. K. Nisenbaum, 2016. Genomic structure and expression of the human serotonin 2A receptor gene (*HTR2A*) locus: identification of novel *HTR2A* and antisense (*HTR2A-AS1*) exons. *BMC Genetics*, 17(16), pp. 1–15.

- Saiz, P., García-Portillaa, M. P., Paredes, B., Arango, C., Morales, B., Alvarez, V., Coto, E., Bascarana M., Bousoño, M., & Bobes, J., 2008. Association between the A-1438G polymorphism of the serotonin 2A receptor gene and nonimpulsive suicide attempts. *Psychiantr. Genet.*, 18(5), pp. 213–218.
- Scheneiders, Alexander A., 1955. *Personal Adjusment and Mental Health*. New York (NJ): Holt Rinehart and Winston.
- Smith, Ryan M., Banks, W., Hansen, E., Sadee, W., & Herman, Gail E., 2014. Family-based clinical associations and functional characterization of the serotonin 2A receptor gene (HTR2A) in autism spectrum disorder. *Autism Res.*, 7(4), pp. 459–467.
- Sperry, T. S., Thompson, C. K., & Wingfield, J. C., 2003. Effects of acute treatment with 8-OH-DPAT and fluoxetine on aggressive behaviour in male song sparrows (*Melospiza melodia* morphna). *J Neuroendocrinol.*, 15, pp. 150–160.
- Sujitha, Subash P., Nair, A., Banerjee, M., Lakshmanan, S., Harshavaradhan, S., Gunasekaran, S., & Gopinathan, A., 2014. 5-Hydroxytryptamine (serotonin) 2A receptor gene polymorphism is associated with schizophrenia. *Indian J Med Res*, 140, pp. 736–743.
- Susantyo, B., 2011. Memahami perilaku agresif: sebuah tinjauan konseptual. *Informasi*, 16(3), pp. 189–202.
- Taylor, Claire F., 2009. Mutation Scanning Using High-Resolution Melting. *Biochem. Soc. Trans.* 37, pp. 433–437.
- Tops, M., Russo, S., Boksem, Maarten A. S., & Tucker, Don M., 2009. Serotonin: Modulator of A Drive to Withdraw. *Brain and Cognition*, 71, pp. 427–436.
- Turecki, G., Brière, R., Dewar, K., Antonetti, T., Lesage, A. D., Séguin, M., Chawky, N., Vanier, C., Alda, M., Joover, R. Benkelfat, C., & Rouleau, G. A., 1999. Prediction of level of serotonin 2A receptor binding by serotonin receptor 2A genetic variation in postmortem brain samples from subjects who did or did not commit suicide. *Am. J. Psychiatry*, 159(9), pp. 1456–1458.
- Tuvblad, C. & Baker, Laura A., 2011. Human aggression across the lifespan: genetic propensities and environmental moderators. *Adv. Genet.*, 75, pp. 171–214.
- Tuvblad, C., Raine, A., Zheng, M., & Baker, Laura A., 2009. Genetic and environmental stability differs in reactive and proactive aggression. *Aggressive Behavior*, 35, pp. 437–452.
- Vali, Z., Raz, A., Bokharaei, H., Nabavi, M., Bemanian, Mohammad H., Yazdi, Mina S., & Djadid, Navid D., 2014. Development of a High-resolution Melting Analysis Method Based on SYBR Green-I for rs7216389 Locus Genotyping in Asthmatic Child Patients. *Avicenna Journal of Medical Biotechnology*, 6(2), pp. 72–80.
- Van den Berghe, P. L., 1974. Bringing beasts back in: Toward a biosocial theory of aggression. *American Sociological Review*, 39(6), pp. 777–788.
- Veroude, K., Zhang-James, Y., Fernández-Castillo, N., Bakker, M. J., Cormand, B., & Faraone, S. V., 2016. Genetics of aggressive behavior: an overview. *Am J Med Genet B Neuropsychiatr Genet*, 171B(1), pp. 3–43.



- Visser, A. K. D., van Waarde, A., Willemsen, A. T. M., Bosker, F. J., Luiten, P. G. M., den Boer, J. A., Kema, I. P., & Dierckx, R. A. J. O., 2011. Measuring serotonin synthesis: from conventional methods to PET tracers and their (pre)clinical implications. *Eur J Nucl Med Mol Imaging*, 38, pp. 576–591.
- Wahyuningsih, H., Cayami, Ferdy K., Bahrudin, U., Sobirin, Mochamad A., Mundhofir, Farmaditya E. P., Faradz, Sultana M. H., & Hisatome, I., 2017. Optimization of PCR Condition: The First Study of High Resolution Melting Technique for Screening of APOA1 Variance. *Yonago Acta Medica*, 60, pp. 24–30.
- Walitza, S., D. S. Bové, M. Romanos, T. Renner, L. Held, M. Simons, C. Wewetzer, C. Fleischhaker, H. Remschmidt, A. Warnke, & E. Grünblatt, 2012. Pilot study on HTR2A promoter polymorphism, 21438G/A (rs6311) and a nearby copy number variation showed association with onset and severity in early onset obsessive–compulsive disorder, *J Neural Transm*, 119, pp. 507–515.
- Waltes, R., Chiochetti, A. G., & Freitag, C. M., 2016. The neurobiological basis of human aggression: a review on genetic and epigenetic mechanisms. *Am J Med Genet B Neuropsychiatr Genet*, 171(5), pp. 650–675.
- WHO, 2020. *World Health Statistics 2020: Monitoring Health for The SDGs, sustainable development goals*. Geneva: World Health Organization.
- Widiastuti, D., Agustiniingsih, Sari, Ihda Z. R., & Ramadhani, T., 2021. Optimasi Analisis *Melting Curve* untuk Skrining Cepat dan Sensitif Mutasi V1016G pada *Aedes aegypti* Resistensi Sintetik Piretroid dengan Reaksi Rantai Polimerase Spesifik Alel. *BALABA*, 17(2), pp. 153–160.
- Williams, R. B., Marchuk, D. A., Gadde, K. M., Barefoot, J. C., Grichnik, K., Helms, M. J., Kuhn, C. M., Lewis, J. G., Schanberg, S. M., Stafford-Smith, M., Suarez, E. C., Clary, G. L., Svenson, I. K., & Siegler, I. C., 2003. Serotonin-related gene polymorphisms and central nervous system serotonin function. *Neuropsychopharmacology*, 28, pp. 533–541.
- Yang, W., Kang, X., Yang, Q., Lin, Y., & Fang, M., 2013. Review on The Development of Genotyping Methods for Assessing Farm Animal Diversity. *Journal of Animal Science and Biotechnology*, 4(2), pp. 1–6.
- Yeom, J. W., Jeong, S., Seo, J. Y., Jeon, S., & Lee, H. J., 2020. Association of the Serotonin 2A Receptor rs6311 Polymorphism with Diurnal Preference in Koreans. *Korean Neuropsychiatric Association*, 17(11), pp. 1137–1142.
- Zhang, G. & Stackman, R. W. Jr., 2015. The role of serotonin 5-HT<sub>2A</sub> receptors in memory and cognition. *Frontiers in Pharmacology*, 6(225), pp. 1–17.
- Zhang, R., Zhu, Z., Zhu, H., Nguyen, T., Yao, F., Xia, K., Liang, D., & Liu, C., 2005. SNP Cutter: A Comprehensive Tool for SNP PCR-RFLP Assay Design. *Nucleic Acids Research*, 33(2), pp. W489–W492.