

DAFTAR PUSTAKA

1. Organization WHO. autisme Spectrum disorders&other development disorders from raising awareness to buiding capacity. Switzerland. http://apps.who.int/iris/bitstream/handle/10665/103312/97899241506618_eng.pdf. Published 2013. Accessed May 19, 2018.
2. Lubis F, Suwandi JF, Dokter MP. Paparan Prenatal Valproat dan Autism Spectrum Disorder (ASD) pada Anak. 2016;5(September):85-90.
3. Center for Disease kontrol and Prevention. Autism Spectrum disorder (ASD); sign and symptom. <https://www.cdc.gov/ncbddd/Autism/signs.html>.
4. Kasran S. Autism : konsep yang sedang berkembang. 2003;22(1):7.
5. Pratiwi RA, Dieny FF. Hubungan Skor Frekuensi Diet Bebas Gluen Bebas Casein Dengan Skor Perilaku Autis. *J Nutr Coll.* 2014;3(34-42).
6. Salwa. Demografi, Faktor resiko, dan Terapi pasien anak dengan autisme di rsj dr. soeharto heerdjan tahun 2010-2012.
7. Maslim R. *Panduan Pedoman Diagnostik Gangguan Jiwa PPDGJ-III*. Jakarta; 2013.
8. Mackie M-A. Cognitive and Affective kontrol Deficits in Adults with Autism Spectrum Disorder. *All Diss Theses, Capstone Proj.* 2017.
9. Steinhause H, Mohr J, Laurutsen M. A systematic review and meta-analysis of the long-term overall outcome of autisme Spectrum disoders in adolescence an adulthood. *Acta Psychiatr Scand.* 2016;133(6):445-452.
10. Manalu AP, Ramayanti I, Arsyad KHM. Laporan Kasus : Faktor-Faktor Kejadian Penyakit autisme Anak di Bina Autis Mandiri Palembang. *Syifa' Med.* 2013;4(1):2-7.
11. Kim R, Kim J, Chung C, et al. Cell type-specific *Shank2* deletion in mice leads to differential synaptic and behavioral phenotypes. *J Neurosci.* 2018;38(17):2684-17.
12. Antoine MW, Schnepel P, Langberg T, Feldman DE. Increased excitation-inhibition ratio stabilizes synapse and circuit excitability in four Autism mouse models. *bioRxiv*. 2018.
13. Schneider T, Przewłocki R. Behavioral Alterations in Rats Prenatally Exposed to Valproic Acid : Animal Model of Autism. 2005:80-89.
14. Chomiak T, Turner N, Hu B. What We Have Learned about Autism Spectrum Disorder from Valproic Acid. 2013;2013.
15. Jumai'an A, Dmour H, Al-Said H. Relation between advanced parental age and the risk of Autism among jordanian children. *J R Med Serv.* 2011;18:27-32.
16. Pardo CA, Eberhart CG. The Neurobiology of Autism. 2007.
17. Christensen J, Gronborg T, Sorensen M, Schendel D, Parner E, Pedersen L. Prenatal Exposure and Risk of Aut-ism Spectrum Disorders and Childhood Autism. *JAMA*. 2013;309:1696-1703.
18. Sadock B, Sadock V. *Kaplan & Sadock Buku Ajar Psikiatri Klinis*. Jakarta: EGC; 2010.
19. Torske T, Nærland T, Øie MG, Stenberg N, Andreassen OA. Metacognitive

- Aspects of Executive Function Are Highly Associated with Social Functioning on Parent-Rated Measures in Children with Autism Spectrum Disorder. *Front Behav Neurosci.* 2018;11(January).
- 20. Nicolini C, Fahnestock M. The valproic acid-induced rodent model of Autism. *Exp Neurol.* 2018;299:217-227.
 - 21. Roullet F, Lai J, Foster J. In Utero exposure to valproic acid and Autism- a current review of clinical and animal studies. *Neurotoxicol Teratol.* 2013;36:47-56.
 - 22. Watson KK, Platt ML. Of mice and monkeys: using non-human primate models to bridge mouse- and human-based investigations of Autism Spectrum disorders. *J Neurodev Disord.* 2012;4(1):1.
 - 23. Gottfried C, Victorio B, Diego B, Geancarlo Z, Roberta S, Vaccaro T. Valproic acid in Autism Spectrum disorder: From an Environmental risk factor to a reliable model. *Recent Adv ASD.* 2013;1(8):143-163.
 - 24. Sahin M, Sur M. Genes, Circuits, and Precision therapies for Autism and related neurodevelopmental disorders. *Science (80-).* 2015;350(6263).
 - 25. T S, Przewlocki R. Environmental enrichment reverses behavioral alterations in rats prenatally exposed to valproic acid: issues for a therapeutic approach in Autism. *Neuropsychopharmacology.* 2006;31:36-46.
 - 26. Mabunga DFN, Gonzales ELT, Kim J, Kim KC, Shin CY. Exploring the Validity of Valproic Acid Animal Model of Autism. *Exp Neurobiol.* 2015;24(4):285.
 - 27. Diagnostic and statistical manual of mental disorders. In: 5th ed. Washington, DC; 2013.
 - 28. Landa R, Holman K, E M-G. Social and communication development in toddlers with early and later diagnosis of Autism Spectrum disorders. *Arch Gen Psychiatry.* 2007;64:853-864.
 - 29. Bergan HM. Valproic acid: A neural outgrowth model for the Autism Spectrum disorder. 2017. <https://scholarworks.uni.edu/etd/463>.
 - 30. Harrington J, Allen K. The clinician's guide to Autism. *Pediatr Rev.* 2014;35:62-78.
 - 31. Wayan N, Wijayapri P. Hambatan Komunikasi Pada Penyandang Autism Remaja : Sebuah Studi Kasus. 2014:41-62.
 - 32. Gottfried C, Baronio D. Valproic Acid in Autism Spectrum Disorder : From an Environmental Risk Factor to a Reliable Animal Model Valproic Acid in Autism Spectrum Disorder : From an. 2013;(May 2014).
 - 33. Bringas M, FN C-F, TA L-R, Atzori M, Flores G. Rear-rangement of dendritic morphology in limbic regions and altered exploratory behavior in a rat model of Autism Spectrum disorder. *Neuroscience.* 2013;241:170-187.
 - 34. Nagode DA, Meng X, Winkowski DE, Smith E, Kareddy V KJ. Abnormal development of the earliest cortical circuits in a mouse model of Autism Spectrum disorder. *Cell Rep.* 2017;18(5):1100-08.
 - 35. Maximo JO, Cadena EJ KR. The implications of brain connectivity in the neuropsychology of Autism. *Neuropsychol Rev.* 2014;24:16-31.
 - 36. Yahata N, Marimoto J, Hashimoto G, Lisi G, Yamada T SY. A small number

- of abnormal brain connections predicts adult Autism Spectrum disorder. *Nat Commun.* 2016;14(7):11254.
37. Kessler K, Seymour RA RG. Brain oscillations and connectivity in Autism Spectrum disorders (ASD): New approaches to methodology, measurement and modelling. *Neurosci Biobehav Rev.* 2016;71:601-620.
38. Cho H, Kim CH, Knight EQ, et al. Changes in brain metabolic connectivity underlie autistic-like social deficits in a rat model of Autism Spectrum disorder. *Sci Rep.* 2017;7(1):1-16.
39. Marcdante, Karen J, Robert M, et al. *Nelson Ilmu Kesehatan Anak*. 6th ed. Indonesia: Elsevier Inc.; 2014.
40. Bromley R, Mawer G, Briggs M, Cheyne C, Clayton-Smith J, M Garcia-Finana. The prevalence of neurodevelopmental disorder in children prenatally exposed to antiepileptic drugs. *J Neurol Neurosurg Psychiatry*. 2013;84:637-643.
41. Magiati I, Tay XW HP. Cognitive, language, social, and behavioral outcomes in adults with Autism Spectrum disorders: A systematic review of longitudinal follow-up studies in adulthood. *Clin Psychol Rev.* 2014;34(1):73-86.
42. Kasari C. Update on behavioral interventions for Autism and developmental disabilities. *Curr Opin Neurol.* 2015;28(2):124-129.
43. Hannan AJ. Environmental enrichment and brain repair: Harnessing the therapeutic effects of cognitive stimulation and physical activity to enhance experience-dependent plasticity. *Neuropathol Appl Neurobiol.* 2014;40(1):13-25.
44. Meador K, Reynolds MW, Crean S, Fahrbach K PC. Pregnancy outcomes in women with epilepsy: A systematic review and meta-analysis of published pregnancy registries and cohorts. *Epilepsy Res.* 2008;81:1-13.
45. Nadebaum C, Anderson V, Vajda F, Reutens D, Barton S WA. The Australian brain and cognition and antiepileptic drugs study: IQ in school-aged children exposed to sodium valproate and polytherapy. *J Int Neuropsychol Soc.* 2011;17:133-142.
46. Moldrich RX, Leanage G, She D, Dolan-Evans E, Nelson M, Reza N et al. Inhibition of histone deacetylase in utero causes sociability deficits in postnatal mice. *Behav Brain Res.* 2013;257:253-264.
47. Kataoka S, Takuma K, Hara Y, Maeda Y, Ago Y MT. Autism-like behaviours with transient histone hyperacetylation in mice treated prenatally with valproic acid. *Int J Neuropsychopharmacol.* 2013;16:91-103.
48. Sernagor E, Chabrol F, Bony G CL. GABAergic control of neurite out-growth and remodeling during development and adult neurogenesis: general rules and differences in diverse systems. *Front Cell Neurosci.* 2010;4(11).
49. Baltz T, De Lima AD VT. Contribution of GABAergic interneurons to the development of spontaneous activity patterns in cultured neocortical networks. *Front Cell Neurosci.* 2010;4(15).
50. Moy SS, Nadler JJ, Perez A, Barbaro RP, Johns JM, Magnuson TR et al. Sociability and preference for social novelty in five inbred strains: An approach to assess autistic-like behavior in mice. *Genes Brain Behav.*

- 2004;3:287-302.
51. Wöhr M, Scattoni ML. Behavioural methods used in rodent models of Autism Spectrum disorders: Current standards and new developments. *Behav Brain Res.* 2013;251:5-17.
 52. El-Kordi A, Winkler D, Hammerschmidt K, Kästner A, Krueger D, Ronnenberg A et al. Development of an Autism severity score for mice using Nlgn4null mutants as a construct-valid model of heritable monogenic Autism. *Behav Brain Res.* 2013;251:41-49.
 53. Martin LA, Goldowitz D MG. repetitif behavior and increasedactivity in mice with Purkinje cell loss: a model for understanding therole of cerebellar pathology in Autism. *Eur J Neurosci.* 2010;31(3):544-555.
 54. Vallée A, Vallée J-N. Warburg effect hypothesis in Autism Spectrum disorders. *Mol Brain.* 2018;11(1):1.
 55. Lewis MH, Tanimura Y, Lee LW BJ. Animal models of restrictedrepetitive behavior in Autism. *Behav Brain Res.* 2007;176:66-74.
 56. Clipperton-Allen AE PD. Decreased aggression and increased repetitif behavior in Pten haploinsufficient mice. *Genes Brain Behav.* 2015;14:145-157.
 57. Goldman S, Wang C, Salgado MW, Greene PE, Kim M RI. Motorstereotypies in children with Autism and other developmental disorders. *Dev Med Child Neurol.* 2009;51(1):30-38.
 58. Zaccaria KJ, Lagace DC, Eisch AJ MJ. Resistance to change and vul-nerability to stress: autistic-like features of GAP43-deficient mice. *Genes Brain Behav.* 2010;9:985-996.
 59. World Health Organization (WHO). General Guidelines for Methodologies on Research and Evaluation of Traditional Medicine. Geneva.
 60. Pratikno AW. *Dasar-Dasar Metodologi Penelitian Kedokteran Dan Kesehatan.* Jakarta: Raja Grafindo Persada
 61. Chang YC, Cole TB, Costa LG. Prenatal and early-life diesel exhaust exposure causes Autism-like behavioral changes in mice. *Part Fibre Toxicol.* 2018;15(1):1-14.
 62. Leach T, Crawley JN. Behavioral phenotypes of genetic mouse models of Autism. 2016;7-26.
 63. American Psychiatric Association. Diagnostic and Statistical. *Diagnostic and Statistical Manual of Mental Disorders.* 4th Ed. 4th ed. Washington, DC: American Psychiatric Association. Diagnostic and Statistical; 1994.
 64. Disorders M. UPDATE.
 65. Egnor SER, Seagraves KM. ScienceDirect The contribution of ultrasonic vocalizations to mouse courtship. *Curr Opin Neurobiol.* 38(Figure 1):1-5.
 66. Panel R. Autism Spectrum Disorder (ASD). 2013.
 67. Sengupta P. The Laboratory Rat: Relating Its Age With Human's. *Int J Prev Med.* 2013;4(6):624-630.
 68. Campi KL, Krubitzer L. Comparative studies of diurnal and nocturnal rodents: Differences in lifestyle result in alterations in cortical field size and number. *J Comp Neurol.* 2010;518(22):4491–4512.
 69. Silverman JL, Tolu SS, Barkan CL, Crawley JN. repetitif Self-Grooming

- Behavior in the BTBR Mouse Model of Autism is Blocked by the mGluR5 Antagonist MPEP. *Neuropsychopharmacology*. 2009;35(4):976-989. \
70. Thomas A, Burant A, Bui N, Graham D, Yuva-paylor LA, Paylor R. Marble burying reflects a repetitif and perseverative behavior more than novelty-induced anxiety. 2009;361-373.
71. Chahrour M, O'Roak BJ, Santini E, Samaco RC, Kleiman RJ, Manzini MC. Current Perspectives in Autism Spectrum Disorder: From Genes to Therapy. *J Neurosci*. 2016;36(45):11402-11410.
72. Crawley JN. Translational Animal Models of Autism and neurodevelopmental disorders. 2012;293-305.
73. Crawley jn, hill c, carolina n. Designing Mouse Behavioral Tasks Relevant to Autistic-like behaviors. 2004;258(november):248-258.
74. Geurts HM, Corbett B, Solomon M. The paradox of cognitive flexibility in Autism. 2009;(January).
75. Raza S, Himmller BT, Himmller SM, et al. Effects of prenatal exposure to valproic acid on the development of juvenile-typical social play in rats. *Behav Pharmacol*. 2015;26(8):707-719.
76. Rodier PM, Ingram JL, Tisdale B, et al. Embryological Origin for Autism : Developmental Anomalies of the Cranial Nerve Motor Nuclei. 1996;261.
77. Nicolini C, Fahnstock M. The valproic acid-induced rodent model of Autism. *Exp Neurol*. 2018;299:217-227.
78. Foley, Andrew. G. and Shane Gannon. "Class I histone deacetylase inhibition ameliorates social cognition and cell adhesion molecule plasticity deficits in a rodent model of ASD." *Neuropharmacology* 63 (2012): 750-760.
79. Markram K, Rinaldi T, Mendola D La, Sandi C, Markram H. Abnormal Fear Conditioning and Amygdala Processing in an Animal Model of Autism. 2008;901-912.