

DAFTAR PUSTAKA

- Adams, J.B., Audhya, T., McDonough-Means, S., Rubin, R.A., Quig, D., Geis, E., et al. 2011. Nutritional and metabolic status of children with autism vs. neurotypical children, and the association with autism severity. *Nutr Metab*, 8(34): 1–12.
- Adams, J.S. & Hewison, M. 2010. Update in vitamin D. *J Clin Endocrinol Metab*, 95(2): 471–478.
- Ali, Y., Anderson, L.N., Smile, S., Chen, Y. & Borkhoff, C.M. 2018. Prospective cohort study of vitamin D and autism spectrum disorder diagnoses in early childhood. *Autism*, 00(0): 1–10.
- Alzghoul, L., AL-Eitan, L.N., Aladawi, M., Odeh, M. & Abu Hantash, O. 2019. The Association Between Serum Vitamin D3 Levels and Autism Among Jordanian Boys. *J Autism Dev Disord*, 25(0123456789): 1–6.
- Amalia, R. & Dieny, F.F. 2014. Perbedaan Kepadatan Tulang Antara Penderita Autis Dan Tidak Autis. *J Nutr*, 3(2): 40–47.
- American Psychiatric Association. 2013. Diagnostic and Statistical Manual of Mental Disorders. 5th ed. In *American Psychiatric Publishing*. Washington,DC,USA: American Psychiatric Publishing: 9–50.
- Amiet, C., Gourfinkel-An, I., Bouzamondo, A., Tordjman, S., Baulac, M., Lechat, P., et al. 2008. Epilepsy in Autism is Associated with Intellectual Disability and Gender: Evidence from a Meta-Analysis. *Biol Psychiatry*, 64(7): 577–582.
- Arastoo, A.A., Khojastehkia, H., Rahimi, Z., Khafaie, M.A., Hosseini, S.A., Mansoori, S.M., et al. 2018. Evaluation of serum 25-Hydroxy vitamin D levels in children with autism Spectrum disorder. *Ital. J. Pediatr*, 44(150): 1–5.
- Atef, S.H. 2018. Vitamin D assays in clinical laboratory: Past, present and future challenges. *J Steroid Biochem Mol Biol*, 175(1): 136–137.
- Azzam, H.M.E., Sayyah, H., Youssef, S., Lotfy, H., Abdelhamid, I.A., Abd Elhamed, H.A., et al. 2015. Autism and vitamin D: An intervention study. *MECPsych*, 22(1): 9–14.
- Baio, J., Wiggins, L., Christensen, D.L., Maenner, M.J., Daniels, J., Warren, Z., et al. 2018. Prevalence of Autism Spectrum Disorder Among Children Aged 8 Years — Autism and Developmental Disabilities Monitoring Network, 11 Sites, United States, 2014. *MMWR. Surveillance Summaries*, 67(6): 1–23.
- Belardinelli, C., Raza, M. & Taneli, T. 2016. Comorbid Behavioral Problems and Psychiatric Disorders in Autism Spectrum Disorders. *J Autism Dev Disord*, 2(2): 1–11.



- Benner, A., Khattab, A.O. & Al-dabbagh, M.M. 2014. Is high prevalence of Vitamin D deficiency evidence for autism disorder?: In a highly endogamous. *J Pediatr Neurosci*, 9(3): 227–233.
- Bikle, D. 2000. *Vitamin D: Production, Metabolism, and Mechanisms of Action*. I. South Dartmouth: MDText.com, Inc.
- Cannell, J.J. 2008. Autism and vitamin D. *Med hypotheses*, 70(4): 750–759.
- Cannell, J.J. 2017. Vitamin D and autism, what's new? *Rev Endocr Metab Disord*, 18(2): 183–193.
- Cannell, J.J. & Grant, W.B. 2013. What is the role of vitamin D in autism? *Dermatoendocrinol*, 5(1): 199–204.
- Cannell, J.J. & Hollis, B.W. 2008. Use of Vitamin D in Clinical Practice. *Altern Med Rev*, 13(1): 1–20.
- Charman, T. & Baird, G. 2002. Practitioner Review: Diagnosis of autism spectrum disorder in 2- and 3-year-old children - Charman - 2008 - Journal of Child Psychology and Psychiatry - Wiley Online Library. *J Child Psychol Psychiatry*, 3(43): 289–305.
- Chlebowski, C., Green, J.A., Barton, M.L. & Fein, D. 2010. Using the childhood autism rating scale to diagnose autism spectrum disorders. *J Autism Dev Disord*, 40(7): 787–799.
- Christakos, S., Dhawan, P., Verstuyf, A., Verlinden, L. & Carmeliet, G. 2015. Vitamin D: Metabolism, molecular mechanism of action, and pleiotropic effects. *Physiol Rev*, 96(1): 365–408.
- Cooper, K., Smith, L.G.E. & Russell, A.J. 2018. Gender Identity in Autism: Sex Differences in Social Affiliation with Gender Groups. *J Autism Dev Disord*, 48(12): 3995–4006.
- DeFilippis, M. & Wagner, K.D. 2016. Treatment of Autism Spectrum Disorder in Children and Adolescents. *Psychopharmacol Bull*, 46(2): 18–41.
- Devnani, P. & Hegde, A. 2015. Autism and sleep disorders. *J Pediatr Neurosci*, 10(4): 304–307.
- Doshi-Velez, F., Ge, Y. & Kohane, I. 2014. Comorbidity Clusters in Autism Spectrum Disorders: An Electronic Health Record Time-Series Analysis. *Pediatrics*, 133: 54–63.
- Elbossaty, W.F. 2017. Vitamin D Deficiency and Autism. *Adv Pharmacoevidemiol Drug Saf*, 06(03): 10–12.
- Elshorbagy, H.H., Barseem, N.F., Abdelghani, W.E., Suliman, H.A.I., Alshokary, A.H., Abdulsamea, S.E., et al. 2018. Impact of Vitamin D Supplementation on Attention-Deficit Hyperactivity Disorder in Children. *Ann Pharmacother*, 52(7): 623–631.
- Emond, A., Emmett, P., Steer, C. & Golding, J. 2010. Feeding Symptoms, Dietary Patterns, and Growth in Young Children With Autism Spectrum Disorders. *Pediatrics*, 126(2): 337–342.

- Enko, D., Kriegshäuser, G., Stolba, R., Worf, E. & Halwachs-Baumann, G. 2015. Method evaluation study of a new generation of vitamin D assays. *Biochem Med*, 25(2): 203–12.
- Ernawati, F. & Basuki, B. 2015. Status Vitamin D Terkini Anak Indonesia Usia 2,0-12,9 Tahun. *Gizi Indon*, 38(1): 73–80.
- Ewen, J.B., Marvin, A.R., Law, K. & Lipkin, P.H. 2019. Epilepsy and Autism Severity: A Study of 6,975 Children. *Autism Res*, 0(00): 1–9.
- Eyles, D.W. 2010. Vitamin D and autism: does skin colour modify risk? *Acta Paediatr*, 99(5): 645–647.
- Eyles, D.W., Burne, T.H.J. & McGrath, J.J. 2013. Vitamin D, effects on brain development, adult brain function and the links between low levels of vitamin D and neuropsychiatric disease. *Front Neuroendocrinol*, 34(1): 47–64.
- Frazier, T.W. & Hardan, A.Y. 2017. Equivalence of symptom dimensions in females and males with autism. *Autism*, 21(6): 749–759.
- Gil, Á., Plaza-Diaz, J. & Mesa, M.D. 2018. Vitamin D: Classic and Novel Actions. *Ann Nutr Metab*, 72(2): 87–95.
- Le Goff, C., Cavalier, E., Souberbielle, J.C., González-Antuña, A. & Delvin, E. 2015. Measurement of circulating 25-hydroxyvitamin D: A historical review. *Pract Lab Med*, 2(1): 1–14.
- Gong, Z.L., Luo, C.M., Wang, L., Shen, L., Wei, F., Tong, R.J., et al. 2014. Serum 25-hydroxyvitamin D levels in Chinese children with autism spectrum disorders. *NeuroReport*, 25(1): 23–27.
- Gordon-Lipkin, E., Marvin, A.R., Law, J.K. & Lipkin, P.H. 2018. Anxiety and mood disorder in children with autism spectrum disorder and ADHD. *Pediatrics*, 141(4): 1–8.
- Harms, L.R., Burne, T.H.J., Eyles, D.W. & McGrath, J.J. 2011. Vitamin D and the brain. *Best Pract Res Clin Endocrinol Metab*, 25(4): 657–669.
- Harrington, J.W. & Allen, K. 2014. The Clinician's Guide to Autism. *Pediatrics*, 35(2): 62–113.
- Hashemzadeh, M., Moharreri, F. & Soltanifar, A. 2015. Comparative study of vitamin D levels in children with autism spectrum disorder and normal children : A case-control study. *J Fundam Ment Health*, 17(4): 197–201.
- Healy, S., Aigner, C.J. & Haegele, J.A. 2018. Prevalence of overweight and obesity among US youth with autism spectrum disorder. *Autism*, 00(0): 1–5.
- Hill, A.P., Zuckerman, K.E. & Fombonne, E. 2015. Obesity and Autism. *Pediatrics*, 136(6): 1051–61.
- Holick, M.F. 2009. Vitamin D Status: Measurement, Interpretation And Clinical Application. *Ann Epidemiol.*, 19(2): 73–78.

- Holick, M.F. 2012. Vitamin D Treatment Guidelines. In *Vitamin D Treatment Guidelines*. United States: 619–625.
- Holick, M.F., Binkley, N.C., Bischoff-Ferrari, H.A., Gordon, C.M., Hanley, D.A., Heaney, R.P., et al. 2011. Evaluation, Treatment, and Prevention of Vitamin D Deficiency: an Endocrine Society Clinical Practice Guideline. *J Clin Endocrinol Metab*, 96(7): 1911–1930.
- Hollis, B.W. 2010. Assessment and Interpretation of Circulating 25-Hydroxyvitamin D and 1,25-Dihydroxyvitamin D in the Clinical Environment. *Endocrinol Metab Clin North Am*, 39(2): 271.
- Holló, A., Clemens, Z. & Lakatos, P. 2014. Epilepsy and vitamin D. *Int J Neurosci*, 124(6): 387–393.
- Humble, M.B. 2010. Vitamin D, light and mental health. *J Photochem and Photobiol B*, 101(2): 142–149.
- Humble, M.B., Gustafsson, S. & Bejerot, S. 2010. Low serum levels of 25-hydroxyvitamin D (25-OHD) among psychiatric out-patients in Sweden: Relations with season, age, ethnic origin and psychiatric diagnosis. *J Steroid Biochem Mol Biol Biochem*, 121(1–2): 467–470.
- Jeste, S.S. & Tuchman, R. 2015. Autism Spectrum Disorder and Epilepsy: Two Sides of the Same Coin? *J Child Neurol*, 30(14): 1963–1971.
- Jia, F., Shan, L., Wang, B., Li, H., Feng, J., Xu, Z., et al. 2018. Fluctuations in clinical symptoms with changes in serum 25(OH) vitamin D levels in autistic children: Three cases report. *Nutr Neurosci*, 00(0): 1–4.
- Jia, F., Shan, L., Wang, B., Li, H., Miao, C., Xu, Z., et al. 2017. Bench to bedside review: Possible role of vitamin D in autism spectrum disorder. *Psychiatr Res*, 260(17): 360–365.
- Jia, F., Wang, B., Shan, L., Xu, Z., Staal, W.G. & Du, L. 2015. Core Symptoms of Autism Improved After Vitamin D Supplementation. *Pediatrics*, 135(1): 196–198.
- Kent, R.G., Carrington, S.J., Le Couteur, A., Gould, J., Wing, L., Maljaars, J., et al. 2013. Diagnosing Autism Spectrum Disorder: who will get a DSM-5 diagnosis? *J Child Psychol Psychiatry*, 54(11): 1242–1250.
- Ko ovská, E., Andorsdóttir, G., Weihe, P., Halling, J., Fernell, E., Stóra, T., et al. 2014. Vitamin D in the General Population of Young Adults with Autism in the Faroe Islands. *J Autism Dev Disord*, 44(12): 2996–3005.
- Ko ovská, E., Fernell, E., Billstedt, E., Minnis, H. & Gillberg, C. 2012. Vitamin D and autism: Clinical review. *Res Dev Disab*, 33(5): 1541–1550.
- Ko ovská, E., Gaughran, F., Krivoy, A. & Meier, U.-C. 2017. Vitamin-D Deficiency As a Potential Environmental Risk Factor in Multiple Sclerosis, Schizophrenia, and Autism. *Front Psychiatry*, 8(1): 47–57.
- Kotagal, S. & Broomall, E. 2012. Sleep in children with autism spectrum disorder. *Pediatr Neurol*, 47(4): 242–251.



- Kulage, K.M., Smaldone, A.M. & Cohn, E.G. 2014. How Will DSM-5 Affect Autism Diagnosis? A Systematic Literature Review and Meta-analysis. *J Autism Dev Disord*, 44(8): 1918–1932.
- Lai, M.C., Lombardo, M. V. & Baron-Cohen, S. 2014. Autism. *Lancet*, 383(9920): 896–910.
- Leitner, Y. 2014. The co-occurrence of autism and attention deficit hyperactivity disorder in children - What do we know? *Front Hum Neurosci*, 8(1): 1–8.
- Lemeshow, S., DW, H.J. & Klar, S.L. 1997. *Adequacy of Sample Size in Health Studies*. WHO, ed. John Wiley & Sons, Ltd.
- Levine, S.Z., Kodesh, A., Goldberg, Y., Reichenberg, A., Furukawa, T.A., Kolevzon, A., et al. 2016. Initial severity and efficacy of risperidone in autism: Results from the RUPP trial. *Eur Psychiatry*, 32(1): 16–20.
- Levisohn, P.M. 2007. The autism-epilepsy connection. *Epilepsia*, 48(9): 33–35.
- Lord, C., Elsabbagh, M., Baird, G. & Veenstra-Vanderweele, J. 2018. Autism spectrum disorder. *Lancet*, 392(10146): 508–520.
- Malow, B.A., Crowe, C., Henderson, L., McGrew, S.G., Wang, L., Song, Y., et al. 2009. A sleep habits questionnaire for children with autism spectrum disorders. *Pediatr Neurol*, 24(1): 19–24.
- Mannion, A. & Leader, G. 2013. Comorbidity in autism spectrum disorder: A literature review. *Res Autism Spectr Disord*, 7(12): 1595–1616.
- Mannion, A. & Leader, G. 2014. Epilepsy in autism spectrum disorder. *Res Autism Spectr Disord*, 8(4): 354–361.
- Marcinowska-Suchowierska, E., Kupisz-Urbanska, M., Lukaszkiwicz, J., Pludowski, P. & Jones, G. 2018. Vitamin D Toxicity a clinical perspective. *Front Endocrinol*, 9(1): 1–7.
- Matson, J.L. & Nebel-Schwalm, M.S. 2007. Comorbid psychopathology with autism spectrum disorder in children: An overview. *Res Dev Disabil*, 28(4): 341–352.
- Matson, J.L. & Shoemaker, M. 2009. Intellectual disability and its relationship to autism spectrum disorders. *Res Dev Disabil*, 30(6): 1107–1114.
- Maxwell-Horn, A. & Malow, B.A. 2017. Sleep in Autism. *Semin Neurol*, 37(4): 413–418.
- Mayes, S.D., Calhoun, S.L., Murray, M.J., Pearl, A., Black, A. & Tierney, C.D. 2014. Final DSM-5 under-identifies mild Autism Spectrum Disorder: Agreement between the DSM-5, CARS, CASD, and clinical diagnoses. *Res Autism Spectr Disord*, 8(2): 68–73.
- Mazahery, H., Camargo, C.A., Conlon, C., Beck, K.L., Kruger, M.C. & von Hurst, P.R. 2016. Vitamin D and autism spectrum disorder: A literature review. *Nutrients*, 8(4): 1–35.



- Meguid, N.A., Hashish, A.F., Anwar, M. & Sidhom, G. 2010. Reduced Serum Levels of 25-Hydroxy and 1,25-Dihydroxy Vitamin D in Egyptian Children with Autism. *J Altern Complement Med*, 16(6): 641–645.
- Meguid, N.A., Nashaat, N.H., Hashem, H.S. & Khalil, M.M. 2018. Frequency of risk factors and coexisting abnormalities in a population of Egyptian children with autism spectrum disorder. *Asian J Psychiatr*, 32(1): 54–58.
- Min Bae, S., Won Kim, J. & Yeon Hong, J. 2018. Microglia and Autism Spectrum Disorder: Overview of Current Evidence and Novel Immunomodulatory Treatment Options. *J Clin Psychopharmacol*, 16(3): 246–252.
- Molloy, C.A., Kalkwarf, H.J., Manning-Courtney, P., Mills, J.L. & Hediger, M.L. 2010. Plasma 25(OH)D concentration in children with autism spectrum disorder. *Dev Med Child Neurol*, 52(10): 969–971.
- Mostafa, G.A. & AL-Ayadhi, L.Y. 2012. Reduced serum concentrations of 25-hydroxy vitamin D in children with autism: Relation to autoimmunity. *J Neuroinflammation*, 9(2012): 1–7.
- Mpaka, D.M., Luwa, D., Okitundu, E.-A., Ndjukendi, A.O., Mankubu N'situ, A., Kinsala, S.Y., et al. 2016. Prevalence and comorbidities of autism among children referred to the outpatient clinics for neurodevelopmental disorders. *Pan Afr Med J*, 1(1): 1–10.
- Myers, S.M., Johnson, C.P., Lipkin, P.H., Cartwright, J.D., Desch, L.W., Duby, J.C., et al. 2007. Management of children with autism spectrum disorders. *Pediatrics*, 120(5): 1162–1182.
- Onaolapo, Y. & Onaolapo, J. 2017. Global Data on Autism Spectrum Disorders Prevalence: A Review of Facts, Fallacies and Limitations. *J Clin Med*, 5(2): 14–23.
- Pacheva, I., Ivanov, I., Yordanova, R., Gaberova, K., Gabalova, F., Margarita, P., et al. 2019. Epilepsy in children with autistic spectrum disorder. *J Child Neurol*, 6(15): 2–11.
- Park, E.Y. & Kim, J. 2016. Factor structure of the Childhood Autism Rating Scale as per DSM-5. *Pediatr Int*, 58(2): 139–145.
- Perry, A., Condillac, R.A., Freeman, N.L., Dunn-Geier, J. & Belair, J. 2005. Multi-site study of the Childhood Autism Rating Scale (CARS) in five clinical groups of young children. *J Autism Dev Disord*, 35(5): 625–634.
- Podd, D. 2015. Hypovitaminosis D: A common deficiency with pervasive consequences. *JAAPA*, 28(2): 20–26.
- Preece, D. & Trajkovski, V. 2017. Parent education in autism spectrum disorder - a review of the literature. *Int J Rehabil Res*, 53(1): 128–138.



- Saad, K., Abdel-rahman, A.A., Elserogy, Y.M., Al-Atram, A.A., Cannell, J.J., Bjørklund, G., et al. 2016. Vitamin D status in autism spectrum disorders and the efficacy of vitamin D supplementation in autistic children. *Nutr Neurosci*, 19(8): 346–351.
- Saad, K., Abdel-Rahman, A.A., Elserogy, Y.M., Al-Atram, A.A., El-Houfey, A.A., Othman, H.A.K., et al. 2016. Randomized controlled trial of vitamin D supplementation in children with autism spectrum disorder. *J Child Psychol Psychiatry*, 59(1): 20–29.
- Sarmah, D. & Sharma, B. 2014. Interpreting the laboratory reports for Vit D. *J Assoc Physicians India*, 62(SEP): 797–800.
- Schopler, E., Reichler, R. & Daly, K. 1980. The childhood autism rating scale. *J Autism Dev Disord*, 10(1): 91–103.
- Sharabi, A. & Marom-Golan, D. 2018. Social Support, Education Levels, and Parents' Involvement: A Comparison Between Mothers and Fathers of Young Children With Autism Spectrum Disorder. *Topics Early Child Spec Educ*, 38(1): 54–64.
- Sharif, M.R., Madani, M., Tabatabaei, F. & Tabatabaee, Z. 2015. The relationship between serum Vitamin D level and attention deficit hyperactivity disorder. *Iran J Child Neurol*, 9(4): 48–53.
- Sidjaja, F.F., Newcombe, P.A., Irwanto & Sofronoff, K. 2017. The Diagnosis of Autism Spectrum Disorder in Urban Indonesia: A Brief Report. *Int J Dev Disabil*, 64(1): 33–44.
- Sotodehasl, N., Tamadon, M.R. & Malek, F. 2017. Vitamin D deficiency and autism; a review on recent findings. *J Parathyroid Dis*, 6(1): 7–12.
- Sprenger, L., Bühler, E., Poustka, L., Bach, C., Heinzl-Gutenbrunner, M., Kamp-Becker, I., et al. 2013. Impact of ADHD symptoms on autism spectrum disorder symptom severity. *Res Dev Disab*, 34(10): 3545–3552.
- Stafstrom, C.E., Hagerman, P.J. & Pessah, I.N. 2012. Pathophysiology of Epilepsy in Autism Spectrum Disorders. In *Jasper's Basic Mechanisms of the Epilepsies*. California, USA: National Center for Biotechnology Information (US): 1–16.
- Studer, N., Gundelfinger, R., Schenker, T. & Steinhausen, H.C. 2017. Implementation of early intensive behavioural intervention for children with autism in Switzerland. *BMC Psychiatry*, 17(1): 1–10.
- Su, X., Cai, R.Y. & Uljarevi, M. 2018. Predictors of Mental Health in Chinese Parents of Children with Autism Spectrum Disorder (ASD). *J Autism Dev Disord*, 48(4): 1159–1168.
- Taheri, A. & Perry, A. 2012. Exploring the Proposed DSM-5 Criteria in a Clinical Sample. *J Autism Dev Disord*, 42(9): 1810–1817.
- Teagarden, D.L., Meador, K.J. & Loring, D.W. 2014. Low Vitamin D Levels Are Common in Patients with Epilepsy. *Epilepsy Res*, 108(8): 1352–1356.



- Torjesen, I. 2016. Early intervention may limit severity of autism symptoms. *BMJ*, 355(1): 1.
- U ur, Ç. & Gürkan, C.K. 2014. Serum vitamin D and folate levels in children with autism spectrum disorders. *Res Autism Spectr Disord*, 8(12): 1641–1647.
- Vanlint, S. 2013. Vitamin D and Obesity. *Nutrients*, 5(1): 949–956.
- Viscidi, E., Johnson, A., Spence, S., Buka, S., Morrow, E. & Triche, E. 2014. The association between epilepsy and autism symptoms and maladaptive behaviors in Children with Autism Spectrum Disorder. *Autism*, 18(8): 1–21.
- Wang, T., Shan, L., Du, L., Feng, J., Xu, Z., Staal, W.G., et al. 2016. Serum concentration of 25-hydroxyvitamin D in autism spectrum disorder: a systematic review and meta-analysis. *Eur Child Adoles Psy*, 25(4): 341–350.
- Werling, D. & Geschwind, D. 2013. Sex differences in autism spectrum disorder. *Curr Opin Neurol*, 26(2): 69–86.
- Zablotsky, B., Bramlett, M. & Blumberg, S.J. 2015. Factors associated with parental ratings of condition severity for children with autism spectrum disorder. *Disabil Health J*, 8(4): 626–634.
- Zaky, E.A., Fouda, E.M., Algohary, E.A. & Al-Shony, E.S. 2013. Prevalence of Autism Spectrum Disorders in Vitamin D Deficient or Insufficient Rickets Short Title: Autism in Vitamin D Deficient / Insufficient Rickets. *Int J Sci Res*, 14(6): 2319–7064.