



## DAFTAR PUSTAKA

- Agrawal, N., Kumar Agrawal, M., Kumari, T., dan Kumar, S., 2017. Correlation between Body Mass Index and Blood Glucose Levels in Jharkhand Population. *International Journal of Contemporary Medical Research*, **4**: 1633–1636.
- Alijanpouraghamaaleki, M., 2016. Incidence, Predisposing Factors and Complications of Diabetic Ketoacidosis in Diabetic Patients. *Caspian Journal of Pediatrics*, **2**: 142.
- Alledregde, B.K., Corelli, R.L., Ernest, M.E., Guglielmo, J.B., Jacobson, P.A., Kradjan, W.A., dkk., 2013. Diabetes Mellitus, dalam: Craig Williams, L.A.K. (Editor), *Koda-Kimble & Young's Applied Therapeutics The Clinical Use of Drugs*. United States of America, hal. 1261.
- Anonim, 2015. 'RSUP Dr Sardjito', . URL: <https://sardjito.co.id/profil/sejarah/> (diakses tanggal 10/6/2020).
- Anonim, 2018. 'Managing Diabetes During Intercurrent Illness in The Community', . Training Research and Education for Nurses in Diabetes, United Kingdom, hal. 1–15.
- Azevedo, L.C.P., Choi, H., Simmonds, K., Davidow, J., dan Bagshaw, S.M., 2014. Incidence and Long-term Outcomes of Critically Ill Adult Patients with Moderate to Severe Diabetic Ketoacidosis: Retrospective Matched Cohort Study. *Journal of Critical Care*, **29**: 971–977.
- Azoulay, E., Chevret, S., Didier, J., Neuville, S., Barboteu, M., Bornstain, C., dkk., 2001. Infection as a Trigger of Diabetic Ketoacidosis in Intensive Care--Unit Patients. *Clinical Infectious Diseases*, **32**: 30–35.
- Balmier, A., Dib, F., Serret-Larmande, A., De Montmollin, E., Pouyet, V., Sztrymf, B., dkk., 2019. Initial Management of Diabetic Ketoacidosis and Prognosis According to Diabetes Type: A French Multicentre Observational Retrospective Study. *Annals of Intensive Care*, **9**: 1–7.
- Birkett, M.A. dan Day, S.J., 1994. Internal Pilot Studies for Estimating Sample Size. *Statistics in Medicine*, **13**: 2455–2463.
- Blanchard, F., Charbit, J., Van der Meersch, G., Popoff, B., Picod, A., Cohen, R., dkk., 2020. Early Sepsis Markers in Patients Admitted to Intensive Care Unit with Moderate to Severe Diabetic Ketoacidosis. *Annals of Intensive Care*, **10**: 2–10.
- Bukhsh, A., Wen, S., Lee, H., dan Khan, T.M., 2019. Correlation of Acidosis Adjusted Potassium Level and Cardiovascular Outcomes in Diabetic Ketoacidosis : A Systematic Review. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **12**: 1323–1335.
- Butler, S.O., Btaiche, I.F., dan Alaniz, C., 2005. Relationship between Hyperglycemia and Infection in Critically Ill Patients. *Pharmacotherapy*, **25**:



963–976.

- Cieluch, A., Uruska, A., Falkowski, B., Błońska, M., Niedźwiecki, P., Balawajder, K., dkk., 2018. Nonadherence to Potassium Replacement Protocol Leads to Prolonged Management of Diabetic Ketoacidosis. *Polish Archives of Internal Medicine*, **128**: 416–420.
- Dahlan, M.S., 2010. *Besar Sampel Dan Cara Pengambilan Sampel*, Seri 2. ed. Jakarta.
- Dewata, D.G.U.B., 2019. 'Profil Pasien Diabetes Mellitus Dengan Komplikasi Ketoasidosis Diabetikum Di Instalasi Rawat Inap Penyakit Dalam RSUD Dr. Soetomo Tahun 2017', . Universitas Airlangga.
- Dhatariya, K., Savage, M., dan Kelly, T., 2013. *Joint British Diabetes Societies Inpatient Care Group. The Management of Diabetic Ketoacidosis in Adults. Update: September*, Second. ed. JBDS, United Kingdom.
- Dhatariya, K.K., Nunney, I., Higgins, K., Sampson, M.J., dan Iceton, G., 2016. National Survey of The Management of Diabetic Ketoacidosis (DKA) in The UK in 2014. *Diabetic Medicine*, **33**: 252–260.
- Fayfman, M., Pasquel, F.J., dan Umpierrez, G.E., 2017. Management of Hyperglycemic Crises: Diabetic Ketoacidosis and Hyperglycemic Hyperosmolar State. *Medical Clinics of North America*, **101**: 587–606.
- FDA, 2015. FDA Warns That SGLT2 Inhibitors for Diabetes May Result in a Serious Condition of too Much Acid in The Blood. *FDA Drug Safety Communications*, **2014**: 1–4.
- French, E.K., Donihi, A.C., dan Korytkowski, M.T., 2019. Diabetic Ketoacidosis and Hyperosmolar Hyperglycemic Syndrome: Review of Acute Decompensated Diabetes in Adult Patients. *The BMJ*, **365**: 1–15.
- Fritsch, M., Rosenbauer, J., Schober, E., Neu, A., Placzek, K., dan Holl, R.W., 2011. Predictors of Diabetic Ketoacidosis in Children and Adolescents with Type 1 Diabetes. Experience From A Large Multicentre Database. *Pediatric Diabetes*, **12**: 307–312.
- Galindo, R.J., Pasquel, F.J., Fayfman, M., Tsegka, K., Dhruv, N., Cardona, S., dkk., 2020. Clinical Characteristics and Outcomes of Patients with End-Stage Renal Disease Hospitalized with Diabetes Ketoacidosis. *BMJ Open Diabetes Research and Care*, **8**: 1–6.
- Galm, B.P., Bagshaw, S.M., dan Senior, P.A., 2019. Acute Management of Diabetic Ketoacidosis in Adults at 3 Teaching Hospitals in Canada: A Multicentre, Retrospective Cohort Study. *Canadian Journal of Diabetes*, **43**: 309-315.e2.
- Gandhi, M.J. dan Suvarna, T.T., 1995. Cardiovascular Complications in Diabetic Ketoacidosis. *International Journal of Diabetes in Developing Countries*, **15**: 132–133.



- George, J.T., Mishra, A.K., dan Iyadurai, R., 2017. Correlation between The Outcomes and Severity of Diabetic Ketoacidosis: A Retrospective Pilot Study. *Journal of Family Medicine and Primary Care*, **6**: 169–170.
- Gotera, W. dan Budiyasa, D., 2010. Penatalaksanaan Ketoasidosis Diabetik (Kad). *Journal of Internal Medicine*, **11**: 126–138.
- Jackman, J., Chafe, R., Albrechtsons, D., Porter, R., Nugent, C., Waheed, S., dkk., 2015. Delayed Diagnosis and Issues With Pump Usage Are The Leading Causes of Diabetic Ketoacidosis in Children With Diabetes Living in Newfoundland And Labrador, Canada. *BMC Research Notes*, **8**: 1–5.
- Kemenkes, 2019. *Hari Diabetes Sedunia Tahun 2018*, Pusat Data dan Informasi Kementerian Kesehatan RI. Jakarta.
- Kitabchi, A.E., Umpierrez, G.E., Miles, J.M., dan Fisher, J.N., 2009. Hyperglycemic Crises in Adult Patients with Diabetes. *Diabetes Care*, **32**: 1335–1343.
- Kjeldsen, K., 2010. Hypokalemia and sudden cardiac death **15**: 96–99.
- Koch, R.A. dan Clark, R.F., 2017. Euglycemic Ketoacidosis With Sodium – Glucose. *American journal of therapeutics*, **25**: e590–e591.
- Lee, M.H., Calder, G.L., Santamaria, J.D., dan MacIsaac, R.J., 2018. Diabetic Ketoacidosis in Adult Patients: An Audit of Factors Influencing Time to Normalisation of Metabolic Parameters. *Internal Medicine Journal*, **48**: 529–534.
- Lemeshow, S., Hosmer, D.W., Klar, J., dan Lwanga, S.K., 1991. Adequacy of Sample Size in Health Studies. *Biometrics*, **47**: 347.
- Liamis, G., 2014. Diabetes Mellitus and Electrolyte Disorders. *World Journal of Clinical Cases*, **2**: 488.
- Listianingrum, 2017. 'Faktor Prediktor Ketoasidosis Pada Diabetes Melitus Tipe-1', . Universitas Gajah Mada.
- McGee, S., 1999. Chapter 11: Hypovolemia, dalam: *Evidence-Based Physical Diagnosis*. Elsevier Health Sciences, hal. 1–4.
- Ndebele, N.F.M. dan Naidoo, M., 2018. The management of Diabetic Ketoacidosis at a Rural Regional Hospital in KwaZulu-Natal. *African Journal of Primary Health Care and Family Medicine*, **10**: 6–11.
- Nyenwe, E.A. dan Kitabchi, A.E., 2011. Evidence-Based Management of Hyperglycemic Emergencies in Diabetes Mellitus. *Diabetes Research and Clinical Practice*, **94**: 340–351.
- Nyenwe, E.A. dan Kitabchi, A.E., 2016. The Evolution of Diabetic Ketoacidosis: An Update of Its Etiology, Pathogenesis and Management. *Metabolism: Clinical and Experimental*, **65**: 507–521.



- Pannu, A.K., Saroch, A., Singla, V., Sharma, N., Dutta, P., Jain, A., dkk., 2020. Clinical Spectrum, Etiology and Outcome of Infectious Disease Emergencies in Adult Diabetic Patients in Northern India. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, **14**: 921–925.
- Park-Wyllie, L.Y., Juurlink, D.N., Kopp, A., Shah, B.R., Stukel, T.A., Stumpo, C., dkk., 2006. Outpatient Gatifloxacin Therapy and Dysglycemia in Older Adults. *New England Journal of Medicine*, **354**: 1352–1361.
- Parsons, P.E., Kronish, J.P., Stapleton, R.D., dan Berra, L., 2019. *Critical Care, Journal of Chemical Information and Modeling*.
- Peat, J., Mellis, C., Williams, K., dan Xuan, W., 2001. *A Handbook of Quantitative Methods*. National Library of Australia, Australia.
- Pecoits-Filho, R., Abensur, H., Betônico, C.C.R., MacHado, A.D., Parente, E.B., Queiroz, M., dkk., 2016. Interactions Between Kidney Disease and Diabetes: Dangerous liaisons. *Diabetology and Metabolic Syndrome*, **8**: 1–21.
- POAC, 2015. 'Clinical Guideline Acute Adult Dehydration', . the POAC Clinical Reference Group, hal. 1–3.
- Puttanna, A. dan Padinjakara, R.N.K., 2014. Diabetic ketoacidosis in type 2 diabetes mellitus. *Practical Diabetes*, **31**: 155–158.
- Radhi, H.T., El-Amin, M.A., Sarwani, A.A., dan Mandeel, F.H., 2020. Characteristics of Diabetic Ketoacidosis in Adult Patients in Bahrain. *Clinical Investigation*, **10**: 150–159.
- Rehman, A., Setter, S.M., dan Vue, M.H., 2011. Drug-Induced Glucose Alterations Part 2: Drug-Induced Hyperglycemia. *Diabetes Spectrum*, **24**: 234–238.
- Roberts, A., James, J., dan Dhatariya, K., 2014. Management of Hyperglycaemia and Steroid (Glucocorticoid) Therapy. *Joint British Diabetes Societies*, **32**: 126–130.
- Samuelsson, U., Anderzén, J., Gudbjörnsdóttir, S., Steineck, I., Åkesson, K., dan Hanberger, L., 2016. Teenage Girls With Type 1 Diabetes Have Poorer Metabolic Control Than Boys and Face More Complications in Early Adulthood. *Journal of Diabetes and its Complications*, **30**: 917–922.
- Savage, M.W., Dhatariya, K.K., Kilvert, A., Rayman, G., Rees, J.A.E., Courtney, C.H., dkk., 2011. Joint British Diabetes Societies Guideline for The Management of Diabetic Ketoacidosis. *Diabetic Medicine*, **28**: 508–515.
- Schwarzfuchs, D., Rabaev, E., Sagy, I., Zimphony-Nissim, N., Lipnitzki, I., Musa, H., dkk., 2020. Clinical and Epidemiological Characteristics of Diabetic Ketoacidosis in Older Adults. *Journal of the American Geriatrics Society*, **68**: 1256–1261.
- Sehgal, V. dan Ulmer, B., 2019. Clinical Conundrums in The Management of Diabetic Ketoacidosis in The Elderly. *Journal of Translational Internal*



Medicine, 7: 10–14.

- Setoodeh, A., Mostafavi, F., Rabbani, A., dan Hedayat, T., 2011. Female Sex as a Risk Factor for Glycemic Control and Complications in Iranian Patients with Type One Diabetes Mellitus. *Iranian Journal of Pediatrics*, 21: 373–378.
- Sicree, R.A., Zimmet, P.Z., Dunstan, D.W., Cameron, A.J., Welborn, T.A., dan Shaw, J.E., 2008. Original Article : Metabolism Differences in Height Explain Gender Differences in The Response to The Oral Glucose Tolerance Test — The AusDiab Study. *Diabetic Medicine*, 25: 296–302.
- Siddiqui, M., Khan, M., dan Carline, T., 2013. Gender Differences in Living with Diabetes Mellitus. *Materia Socio Medica*, 25: 140.
- Solá, E., Garzón, S., García-Torres, S., Cubells, P., Morillas, C., dan Hernández-Mijares, A., 2006. Management of diabetic ketoacidosis in a teaching hospital. *Acta Diabetologica*, 43: 127–130.
- Suwarto, S., Sutrisna, B., Waspadji, S., dan Pohan, H.T., 2014. Predictors of Five Days Mortality in Diabetic Ketoacidosis Patients: A Prospective Cohort Study. *Acta medica Indonesiana*, 46: 18–23.
- Syed, M., Khawaja, F.B., Saleem, T., Khalid, U., Rashid, A., dan Humayun, K.N., 2011. Clinical Profile and Outcomes of Paediatric Patients With Diabetic Ketoacidosis at A Tertiary Care Hospital in Pakistan. *Journal of the Pakistan Medical Association*, 61: 1082–1087.
- Thuzar, M., Malabu, U.H., Tisdell, B., dan Sangla, K.S., 2014. Use of a Standardised Diabetic Ketoacidosis Management Protocol Improved Clinical Outcomes. *Diabetes Research and Clinical Practice*, xxx: 2–5.
- Umpierrez, G. dan Korytkowski, M., 2016. Diabetic Emergencies-Ketoacidosis, Hyperglycaemic Hyperosmolar State and Hypoglycaemia. *Nature Reviews Endocrinology*, 12: 222–232.
- Vahdatpour, C., Collins, D., dan Goldberg, S., 2019. Cardiogenic Shock. *Journal of the American Heart Association*, 8: 1–12.
- Van, Z.D., 2008. Diagnosis and Treatment of Diabetic Ketoacidosis. *South African Family Practice*, 50: 35–39.
- Venkatesh, B., Pilcher, D., Prins, J., Bellomo, R., Morgan, T.J., dan Bailey, M., 2015. Incidence and Outcome of Adults with Diabetic Ketoacidosis Admitted To ICUs in Australia and New Zealand. *Critical Care*, 19: 1–12.
- Wang, J., Yan, R., Wen, J., Kong, X., Li, H., Zhou, P., dkk., 2017. Association of Lower Body Mass Index with Increased Glycemic Variability in Patients with Newly Diagnosed Type 2 diabetes: A Cross-sectional Study in China. *Oncotarget*, 8: 73133–73143.
- Westerberg, D.P., 2013. Diabetic Ketoacidosis: Evaluation and Treatment. *American family physician*, 337–346.



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**EFEK PEMBERIAN KALIUM TERHADAP RESOLUSI KETOASIDOSIS DIABETIK PADA PASIEN  
DIABETES MELITUS DENGAN  
KETOASIDOSIS DIABETIK DI RSUP DR. SARDJITO YOGYAKARTA**

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WHO, 2016. 'WHO Fact Sheet of Diabetes, 2018', *World Health Organization*.

URL: <https://www.who.int/news-room/fact-sheets/detail/diabetes/> WHO Fact Sheet of Diabetes, 2018 (diakses tanggal 8/6/2020).

Wibawa, A.S., Novida, H., Faizi, M., dan Ardiany, D., 2020. Risk Factor Related to Mortality of Diabetic Ketoacidosis Patients in Dr. Soetomo General Hospital Surabaya. *JUXTA: Jurnal Ilmiah Mahasiswa Kedokteran Universitas Airlangga*, **11**: 36.

Yang, Y., Liu, B., He, J., Gupta, S., Thumma, S., Luo, Y., dkk., 2019. Impact of Atrial Fibrillation on In-Hospital Outcomes in Patients With Diabetic Ketoacidosis. *American Journal of the Medical Sciences*, **358**: 350–356.

Yared, Z. dan Chiasson, J.L., 2003. Ketoacidosis and The Hyperosmolar Hyperglycemic State in Adult Diabetic Patients: Diagnosis and Treatment. *Minerva Medica*, **94**: 409–418.