DAFTAR PUSTAKA

ADA. (2018). Classification and Diagnosis of Diabetes : Standards of Medical Care in Diabetes. *Diabetes Care*, *1*(41), 13–27.

Ahmad, A., & Oparil, S. (2017). Hypertension in Women: Recent Advances and Lingering Questions. *Hypertension*, *70*(1), 19–26.

Al-Mukhtar, S. B., Fadhil, N. N., & Hanna, B. E. (2012). General and gender characteristics of type 2 diabetes mellitus among the younger and older age groups. *Oman Medical Journal*, *27*(5), 375–382.

American Diabetes Association. (2018). Glycemic Targets : Standards of Medical Care in Diabetes. *Diabetes Care*, *41*(January), 55–64.

Ashwell, M., & Gibson, S. (2016). Waist-to-height ratio as an indicator of ' early health risk ' : simpler and more predictive than using a ' matrix ' based on BMI and waist circumference. *British Medical Journal*, *6*, 1–7.

Badham, J., & Sweet, L. (2010). Stunting : An Overview. *Sight and Life*, *3*, 40–47.

Bae, J. C., Suh, S., Jin, S., Kim, S. W., Hur, K. Y., Kim, J. H., & Min, Y. (2014). Hemoglobin A1c values are affected by hemoglobin level and gender in non-anemic Koreans. *Journal of Diabetes Investigation*, *5*, 60–65.

Baig, M. A. (2015). Comparative evaluation of efficiency of HbA1C , fasting & post prandial blood glucose levels , in the diagnosis of type-2 diabetes mellitus and its prognostic outcome. *International Journal of Research in Medical Sciences*, *3*(11), 3245–3249.

Balkau, B., Mhamdi, L., Oppert, J., & Nolan, J. (2008). Physical activity and insulin sensitivity the RISC study. *Diabetes*, *57*, 2613–2618..

Basciano, H., Federico, L., & Adeli, K. (2005). Fructose, insulin resistance, and metabolic dyslipidemia. *Nutrition & Metabolism*, *2*(1), 5.

Bellamy, L., Casas, J. P., Hingorani, A. D., & Williams, D. J. (2007). Pre-eclampsia and risk of cardiovascular disease and cancer in later life: Systematic review and meta-analysis. *British Medical Journal*, *335*(7627), 974–977.

Betty, & Sullivan, A. (2011). Sex Differences in Energy Metabolism Need to Be Considered with Lifestyle Modifications in Humans. *Journal of Nutrition and Metabolism*, *2011*(Nhanes Iii), 1–6.

Bisschop, P. H., de Metz, J., Ackermans, M. T., Endert, E., Pijl, H., Kuipers, F., Romijn, J. A. (2001). Dietary fat content alters insulin-mediated glucose metabolism in healthy men. *The American Journal of Clinical Nutrition*, *73*(3), 554–559.

Bloomgarden, Z., & Handelsman, Y. (2018). How does CKD affect HbA1c ?

Journal of Diabetes, *10*, 270.

Boden, & Shulman. (2002). Free fatty acids in obesity and type 2 diabetes: defining their role in the development of insulin resistance and beta-cell dysfunction. *European Journal of Clinical Investigation*, *3*(32), 14–32.

Bonora, E., & Tuomilehto, J. (2011). The Pros and Cons of Diagnosing Diabetes With A1C. *Diabetes Care*, *34*(2), 1–7.

Bower, J. K., Appel, L. J., Matsushita, K., Young, J. H., Alonso, A., Brancati, F. L., & Selvin, E. (2012). Glycated hemoglobin and risk of hypertension in the atherosclerosis risk in communities study. *Diabetes Care*, *35*(5), 1031–1037.

Bower, J. K., Meadows, R. J., Foster, M. C., Foraker, R. E., & Shoben, A. B. (2017). The Association of Percent Body Fat and Lean Mass With HbA 1c in US Adults. *Journal of the Endocrine Society*, *1*(6), 7–10.

Breneman, C. B., & Tucker, L. (2013). Dietary fibre consumption and insulin resistance - the role of body fat and physical activity. *The British Journal of Nutrition*, *110*(2), 375–383.

Brierley, M., Brooks, K. R., Mond, J., & Stevenson, R. J. (2016). The Body and the Beautiful : Health , Attractiveness and Body Composition in Men ' s and Women ' s Bodies. *PLoS ONE*, *11*, 1–16.

Buffarini, R., Restrepo-méndez, M. C., Silveira, V. M., Miranda, J. J., Gonçalves, H. D., Oliveira, I. O., Assunç, F. (2017). Distribution of Glycated Haemoglobin According to Early-Life and Contemporary Characteristics in Adolescents and Adults without Diabetes : The Distribution of Glycated Haemoglobin According to Early-Life and Contemporary Characteristics in Adolescents and. *PLoS ONE*, *11*(9), 1–17.

Cederholm, T., Barazzoni, R., Austin, P., Ballmer, P., Biolo, G., Bischoff, S. C., Singer, P. (2017). *ESPEN Guideline ESPEN guidelines on de fi nitions and terminology of clinical nutrition*. *36*, 49–64.

Christman, A. L., Lazo, M., Clark, J. M., & Selvin, E. (2011). Low Glycated Hemoglobin and Liver Disease in the U.S. Population. *Epidemiology/Health Service Research*, *34*, 2548–2550.

Christy, A. L., Manjrekar, P. A., Babu, R. P., Hegde, A., & M.S, R. (2014). Influence of Iron Deficiency Anemia on Hemoglobin A1C Levels in Diabetic Individuals with Controlled Plasma Glucose Levels. *Iranian Biomedical Journal*, *18*(2), 88–93.

Dale, C., Nüesch, E., Prieto-merino, D., Choi, M., Amuzu, A., Ebrahim, S., Davey-smith, G. (2015). Why Do Thin People Have Elevated All-Cause Mortality ? Evidence on Confounding and Reverse Causality in the Association of Adiposity and COPD from the British Women ' s Heart and Health Study. *PLoS ONE*, *10*(4), 1–12.

Davison, K. K., & Birch, L. L. (2008). Age-related differences in glycaemic control in diabetes. *Diabetologia*, *64*(12), 2391–2404.

DHHS CDC Prevention. (2009). *Body Mass Index : Considerations for Practitioners*. Atlanta.

Djap, H. S., Sutrisna, B., Soewondo, P., Djuwita, R., & Timotius, K. H. (2018). Waist to height ratio (0 . 5) as a predictor for prediabetes and type 2 diabetes in Indonesia Waist to height ratio (0 . 5) as a predictor for prediabetes and type 2 diabetes in Indonesia. *3rd Annual Applied Science and Engineering Conference*, *3*(434), 0–6.

Driskell, O. J., Holland, D., Waldron, J. L., Ford, C., Scargill, J. J., Heald, A., Fryer, A. A. (2014). *Reduced Testing Frequency for Glycated Hemoglobin , HbA 1c , Is Associated With Deteriorating Diabetes Control*. *37*(October), 2731–2737.

Elliott, S. S., Keim, N. L., Stern, J. S., Teff, K., & Havel, P. J. (2002). Fructose , weight gain , and the insulin resistance syndrome 1 – 3. *Amer*, *9*(76), 11–22.

Erukainure, O. L., Ebuehi, O. A. T., Adeboyejo, F. O., Okafor, E. N., Muhammad, A., & Elemo, G. N. (2013). Fiber-enriched biscuit enhances insulin secretion, modulates b-cell function, improves insulin sensitivity, and attenuates hyperlipidemia in diabetic rats. *Pharma Nutrition*, *1*(2), 58–64.

Florkowski, C. (2013). HbA 1c as a Diagnostic Test for Diabetes Mellitus – Reviewing the Evidence. *Cllinical Biochemistry*, *34*(August), 75–83.

Frayn, K. N. (2000). Visceral fat and insulin resistance--causative or correlative? *The British Journal of Nutrition*, *1*(83), 71–77.

Frezza, J., Laura, A., & Lins, J. (2016). Effect of iron deficiency anaemia on HbA1c levels is dependent on the degree of anaemia. *Clinical Biochemistry*, *49*, 117–120.

Grier, T., Canham-chervak, M., Sharp, M., & Jones, B. H. (2015). Does body mass index misclassify physically active young men. *PMEDR*, *2*, 483–487.

Grillo, L. P., Gigante, D. P., Horta, B. L., & Barros, F. C. F. De. (2016). *Childhood stunting and the metabolic syndrome components in young adults from a Brazilian birth cohort study*. *70*(5), 548–553.

Grundy, S. M., Neeland, I. J., Turer, A. T., & Vega, G. L. (2013). Waist Circumference as Measure of Abdominal Fat Compartments. *Journal of Obesity*, *2013*, 1–9.

Haimoto, H., Watanabe, S., Komeda, M., & Wakai, K. (2018). The impact of carbohydrate intake and its sources on hemoglobin A1c levels in Japanese patients with type 2 diabetes not taking anti-diabetic medication. *Dove Press Journall*, *11*, 53–64.

Harjatmo, T. P., Par'i, H. M., & Wiyono, S. (2017). *Penilaian Status Gizi* (1st ed.). Jakarta: Kemenkes RI.

Harrison, S. (2013). *Harrison's Endocrinology* (3rd ed.; J. L. Jameson, anthony s. Fauci, D. L. Longo, De. L. KaspEr, stEphEn L. HausEr, & J. LoscaLzo,

eds.). McGraw-Hill Education.

Hastuti, J., Hons, M. K., & Byrne, N. M. (2017). Determination of new anthropometric cut-off values for obesity screening in Indonesian adults. *Asia Pacific Journal of Clinical Nutrition*, *26*(4), 650–656.

Hoffman, D. J., Sawaya, A. L., Verreschi, I., Tucker, K. L., & Roberts, S. B. (2000). Why are nutritionally stunted children at increased risk of obesity? Studies of metabolic rate and fat oxidation in shantytown children from Sao Paulo, Brazil. *American Journal of Clinical Nutrition*, *72*(3), 702–707.

Hu, H., Hori, A., Nishiura, C., Sasaki, N., & Okazaki, H. (2016). Hba1c , Blood Pressure , and Lipid Control in People with Diabetes : Japan Epidemiology Collaboration on Occupational Health Study. *PLoS ONE*, *11*(7), 1–13.

IDF. (2006). *The IDF Consensus Worldwide Definition of the Metabolic Syndrome*. Brussels: International Diabetes Federation.

Irmayanti, Farmawati, A., & Purba, M. B. (2019). Associations of Dietary Diversity Score , Obesity , and High-sensitivity C-reactive Protein with HbA1c. *Makara Journal of Health Research*, *23*(1), 40–47.

Izumi, Y., Matsumoto, K., Ozawa, Y., Kasamaki, Y., Shinndo, A., Ohta, M., Mahmut, M. (2007). Effect of Age at Menopause on Blood Pressure in Postmenopausal Women. *American Journal of Hypertension*, *20*(10), 1045–1050.

Jiang, J., Qiu, H., Zhao, G., Zhou, Y., Zhang, Z., Zhang, H., & Jiang, Q. (2012). Dietary Fiber Intake Is Associated with HbA1c Level among Prevalent Patients with Type 2 Diabetes in Pudong New Area of Shanghai , China. *PLoS ONE*, *7*(10), 1–7.

Kang, S. H., Jung, D. J., Choi, E. W., Cho, K. H., Park, J. W., & Do, J. Y. (2015). HbA1c Levels Are Associated with Chronic Kidney Disease in a Non-Diabetic Adult Population : A Nationwide Survey (KNHANES 2011-2013). *PLoS ONE*, *10*(12), 1–11.

Kautzky-Willer, A., Harreiter, J., & Pacini, G. (2016). Sex and gender differences in risk, pathophysiology and complications of type 2 diabetes mellitus. *Endocrine Reviews*, *37*(3), 278–316.

Klein, S. (2004). The case of visceral fat: Argument for the defense. *Journal of Clinical Investigation*, *113*(11), 1530–1532.

Kwak, H.-B. (2013). Exercise and obesity-induced insulin resistance in skeletal muscle. *Integrative Medicine Research*, *2*(4), 131–138.

Lin, W.-T., Chan, T.-F., Huang, H.-L., Lee, C.-Y., Tsai, S., Wu, P.-W., Wang, Su-NaiLee, and C.-H. (2016). Fructose-Rich Beverage Intake and Central Adiposity, Uric Acid, and Pediatric Insulin Resistance. *The Journal of Pediatric*, *171*, 90–96.

Littlea, R. R., Rohlfinga, C. L., Tennilla, A. L., Hansona, S. E., Connollya, S.,

Higginsb, T., Roberts, W. (2016). Measurement of HbA1c in Patients with Chronic Renal Failure. *Clinica Chimica Acta*, *15*(418), 73–76.

Lorem, G. F., Schirmer, H., & Emaus, N. (2017). What is the impact of underweight on self- reported health trajectories and mortality rates : a cohort study. *Health and Quality of Life Outcomes*, *15*, 1–14.

Ma, Q., Liu, H., Xiang, G., Shan, W., & Xing, W. (2016). Association between glycated hemoglobin A1c levels with age and gender in Chinese adults with no prior diagnosis of diabetes mellitus. In *Biomedical Report*.

Maharjan, P., Pandeya, D., Joshi, G., Hona, S., Bhatta, B., Hamza, A., & AlDahr., M. S. (2017). Glycated Hemoglobin (Hba1C) Is a Predictor of Dyslipidemia in Type 2 Diabetes Nepalese Patients. *International Journal of Advanced Research*, *5*(2), 113–121.

Männistö, T., Mendola, P., Vääräsmäki, M., Järvelin, M. R., Hartikainen, A. L., Pouta, A., & Suvanto, E. (2013). Elevated blood pressure in pregnancy and subsequent chronic disease risk. *Circulation*, *127*(6), 681–690.

Masyarakat, D. G. (2018). *Hasil Pemantauan Status Gizi (PSG) Tahun 2017* (First). Jakarta: Kemenkes RI.

Melnyk, M., Casey, R. G., Black, P., & Koupparis, A. J. (2011). Enhanced recovery after surgery (ERAS) protocols : Time to change practice ? *Canadian Urological Association*, *5*(5), 342–348.

Memon, A. G., Soomro, M. K., & Kolachi, M. A. (2016). Cardiovascular Diseases & Diagnosis Correlation of Glycated Hemoglobin (HbA1c) with Different Cardiovascular Risk Factors in Non-diabetic Patients. *Journal of Cardiovascular Diseases & Diagnosis*, *4*(3), 4–6.

Mobula, L. M., Stephen, F., Carson, K. A., Burnham, G., Arthur, L., Ansong, D., Ofori-adjei, D. (2018). Translational Metabolic Syndrome Research Predictors of glycemic control in type-2 diabetes mellitus : Evidence from a multicenter study in Ghana. *Translational Metabolic Syndrome Research*, *1*, 1–8.

Muaka, M. M., & Mbenza, G. (2008). Risk factors of poor control of HBA1c and diabetic retinopathy : Paradox with insulin therapy and high values of HDL in African diabetic patients. *International Journal Diabetes and Metabolism*, *16*, 69–78.

Nathan, D M, Turgeon, H., & Regan, S. (2007). Relationship between glycated haemoglobin levels and mean glucose levels over time. *Diabetologia*, *50*, 2239–2244.

Nathan, David M. (2009). *International Expert Committee Report on the Role of the A1C Assay in the Diagnosis* (Vol. 32).

Nilsson, P., Gudbjörnsdottir, S., Eliasson, B., & Cederholm, J. (2004). Smoking is associated with increased HbA1c values and microalbuminuria in patients with diabetes — data from the National Diabetes Register in Sweden.

Diabetes Metab.

Nomura, K., Inoue, K., & Akimoto, K. (2012). A Two-Step Screening , Measurement of HbA1c in Association with FPG , May Be Useful in Predicting Diabetes. *PLoS ONE*, *7*(4), 4–9.

Okitolonda, W., Brichard, S. M., & Henquin, J. C. (1987). Repercussions of chronic protein-calorie malnutrition on glucose homeostasis in the rat. *Diebtologia*, *30*, 946–951.

Pani, L. N., Korenda, L., Meigs, J. B., Driver, C., Chamany, S., Fox, C. S., Nathan, D. M. (2008). Effect of Aging on A1C Levels in Individual Without Diabetes. *Diabetes Care*, *31*(10), 1991–1996.

Patel, D. K., Gamit, D. N., Patel, A. B., & Gohil, B. H. (2017). Glycosylated hemoglobin as a marker of dyslipidemia in type 2 diabetes mellitus patients in a tertiary care hospital. *National Journal of Physiology, Pharmacy and Pharmacology*, *7*(1), 113–118.

Petersen, K. F., Befroy, D., Dufour, S., Dziura, J., Rothman, D. L., Dipietro, L., Gerald, I. (2010). Mitochondrial Dysfunction in the Elderly: Possible Role in Insulin Resistance. *National Institute of Health Journal*, *300*(5622), 1140–1142.

Phan, B. A. P., & Toth, P. P. (2014). Dyslipidemia in women: Etiology and management. *International Journal of Women's Health*, *6*(1), 185–194.

Pi, H., Zhou, H., Jin, H., Ning, Y., & Wang, Y. (2017). Abnormal Glucose Metabolism in Rheumatoid Arthritis. *BioMed Research International*, *2017*, 1–6.

Punthakee, Z., Goldenberg, R., & Katz, P. (2018). Definition, Classification and Diagnosis of Diabetes, Prediabetes and Metabolic Syndrome. *Canadian Journal of Diabetes*, *42*, 10–15.

Purohit, M. A., Sharma, N., & Gaur, M. A. (2017). Association of HbA1c with Dyslipidemia in Diabetes Mellitus. *Scholars Journal of Applied Medical Sciences (SJAMS)*, *5*, 2892–2897.

Qatanani, M., & Mitchell, A. (2007). Mechanism of Obesity Associated Insulin Resistance: Many Choices on the Menu. *Genes and Development*, *21*(215), 1443–1455.

R.Vest, A., & S.Cho, L. (2012). Hypertension in Pregnancy. *Cardiology Clinics*, *30*(3).

Ratner, R. E., Christophi, C. A., Metzger, B. E., Dabelea, D., Bennett, P. H., Pi-Sunyer, X., Kahn, S. E. (2008). Prevention of diabetes in women with a history of gestational diabetes: Effects of metformin and lifestyle interventions. *Journal of Clinical Endocrinology and Metabolism*, *93*(12), 4774–4779.

Rawal, G., Yadav, S., Kumar, R., & Singh, A. (2016). Glycosylated hemoglobin (

HbA1C): A brief overview for clinicians. *Indian Journal of Immunology and Respiratory Medicine*, *1*(2), 33–36.

Riccardia, G., Giacco, R., & Rivellese, A. A. (2004). Dietary fat, insulin sensitivity and the metabolic syndrome. *Clinical Nutrition*, *23*, 447–45.

Robson, R., Lacey, A. S., Luzio, S. D., Woerden, H. Van, Heaven, M. L., Wani, M., Hewitt, J. (2015). Short Report : Epidemiology HbA 1c measurement and relationship to incident stroke. *Diabetic Medicine*, *1*(33), 459–462.

Rodie, V. A., Freeman, D. J., Sattar, N., & Greer, I. A. (2004). Pre-eclampsia and cardiovascular disease: Metabolic syndrome of pregnancy? *Atherosclerosis*, *175*(2), 189–202.

Sairenchi, T., Iso, H., Irie, F., Fukasawa, N., Ota, H., & Muto, T. (2008). Underweight as a Predictor of Diabetes in Older Adults. *Diabetes Care*, *31*(3), 2007–2008.

Schindler, C., Birkenfeld, A. L., Hanefeld, M., Gru, M., & Stefan, H. (2018). Intravenous Ferric Carboxymaltose in Patients with Type 2 Diabetes Mellitus and Iron Deficiency : CLEVER Trial Study Design and Protocol. *Diabetes Therapy*, *9*, 37–47.

Scott, R. A., Langenberg, C., Sharp, S. J., Franks, P. W., Rolandsson, O., Drogan, D., Wareham, N. J. (2013). The link between family history and risk of type 2 diabetes is not explained by anthropometric, lifestyle or genetic risk factors: The EPIC-InterAct study. *Diabetologia*, *56*(1), 60–69.

Shabana, S., Ramya, K., Sasisekhar, T. V. D., & A, S. K. (2017). HbA1c as An Index of Glycemic Status In Obese Type 2 Diabetics. *International Journal of Clinical and Biomedical Research*, *3*(3), 34–39.

Shahid, S. M., & Mahboob, T. (2009). Diabetes and Hypertension : Correlation Between Glycosylated Hemoglobin (HbA1c) and Serum Nitric Oxide (NO). *Australian Journal of Basic and Applied Sciences*, *3*(2), 1323–1327.

Shazwani, N., Suzana, Mastura, H., Lim, Teh, Fauzee, M., … Norliza. (2010). Assessment of Physical Activity Level among Individuals with Type 2 Diabetes Mellitus at Cheras Health Clinic , Kuala Lumpur. *Malaysian Journal of Nutrition*, *16*(1), 101–112.

Sherwani, S. I., Khan, H. A., Ekhzaimy, A., Masood, A., & Sakharkar, M. K. (2016). Significance of HbA1c Test in Diagnosis and Prognosis of Diabetic Patients. *Biomarker Insights*, *11*, 95–104.

Sheth, J., Shah, A., Sheth, F., Trivedi, S., Nabar, N., Shah, N., & Thakor, P. (2015). The association of dyslipidemia and obesity with glycated hemoglobin. *Clinical Diabetes and Endocrinology*, 1–7.

Shipman, K. E., Jawad, M., Sullivan, K. M., Ford, C., & Gama, R. (2015). Effect of chronic kidney disease on A1C in individuals being screened for diabetes. *Primary Care Diabetes*, *9*(2), 142–146.

Sinha, N., Sinha, N., Mishra, T. K., Singh, T., & Gupta, N. (2012). Effect of Iron Deficiency Anemia on Hemoglobin A1c Levels. *Clinical Chemistry*, *32*, 17–22.

Smulyan, M. E. S. and H. (2004). Hypertension in women. *American Journal of Hypertension*, *17*, 82–87.

Solomon, A., Hussein, M., Negash, M., Ahmed, A., Bekele, F., & Kahase, D. (2019). Effect of iron deficiency anemia on HbA1c in diabetic patients at Tikur Anbessa specialized teaching hospital , Addis Ababa Ethiopia. *BMC Hematology*, *19*(2), 5–9.

Strauss, J., Witoelar, F., & Sikoki, B. (2016). *User's Guide for the Indonesia Family Life Survey, Wave 5 (Volume 1)*.

Stroud, M., Duncan, H., & Nightingale, J. (2003). Guidelines for enteral feeding in adult hospital patients. *Gut Journal*, *7*(52), 1–12.

Takagi, D., Nishida, Y., & Fujita, D. (2015). Age-associated changes in the level of physical activity in elderly adults. *Journal of Physical Therapy Science*, *27*(12), 3685–3687.

Taylor, S. J. (2010). Predicting resting energy expenditure (REE): Misapplying equations can lead to clinically significant errors. *E-SPEN, the European e-Journal of Clinical Nutrition and Metabolism*, *5*(6), e254–e260.

Tewari, N., Awad, S., Macdonald, I. a, & Lobo, D. N. (2015). Obesity-related insulin resistance: implications for the surgical patient. *International Journal of Obesity*, *39*(11), 1575–1588.

Twig, G., Afek, A., Derazne, E., Tzur, D., Cukierman-Yaffe, T., Gerstein, H. C., & Tirosh2, A. (2014). Diabetes Risk Among Overweight and Obese Metabolically Healthy Young Adults. *Diabetes Care*, *37*(November), 2989–2995.

Uzogara, S. G. (2016). Underweight, the Less Discussed Type of Unhealthy Weight and Its Implications: A Review. *American Journal of Food Science and Nutrition Research*, *3*(5), 126–142.

Veeramalla, V., & Madas, S. (2017). Correlation of Glycated Hemoglobin and Iron Deficiency Anemia among Diabetic and Non Diabetic Patients. *International Journal of Current Microbiology and Applied Sciences*, *6*(12), 2669–2675.

Visscher, T. L. S., Lakerveld, J., Olsen, N., Ramalho, S., Keaver, L., Brei, C., Yumuk, V. (2017). Perceived Health Status : Is Obesity Perceived as a Risk Factor and Disease ? *The European Journal of Obesity*, *10*, 52–60.

Wang, H., Wang, J., Liu, M., Wang, D., Liu, Y., Zhao, Y., Liu, Y. (2012). Epidemiology of general obesity , abdominal obesity and related risk factors in urban adults from 33 communities of northeast china : the CHPSNE study. *BMC Public Health*, *12*(1), 2–10.

Wang, J., Yan, R., Wen, J., Kong, X., Li, H., & Zhou, P. (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. *Impact Journal*, *8*(42), 73133–73143.

Weickert, M. O., MOhlig, M., Schofl, C., Arafat, A. M., Otto, B., Viehoff, H., Pfeiffer, A. F. H. (2006). Cereal Fiber Improves Whole-Body Insulin. *Diabetes Care*, *29*(4), 775–780.

Weickert, M. O., & Pfeiffer, A. F. H. (2008). Metabolic Effects of Dietary Fiber Consumption and Prevention of Diabetes 1. *The Journal of Nutrition*, *138*, 439–442.

Weise, A. (2012). *WHA Global Nutrition Targets 2025: Stunting Policy Brief*.

Wells, J. C. K. (2011). The Thrifty Phenotype: An Adaptation in Growth or Metabolism? *American Journal of Human Biology*, *23*, 1–11.

WHO. (2004). Body mass index - BMI.

WHO. (2013). *Definiton and diagnosis of diabetes mellitus and intermediate hyperglycemia.*

Wu, L., Lin, H., Gao, J., Li, X., Xia, M., Wang, D., Gao, X. (2017). Effect of age on the diagnostic efficiency of HbA1c for diabetes in a Chinese middle-aged and elderly population : The Shanghai Changfeng Study. *PLoS ONE*, *12*(9), 1–12.

Yan, Z., Liu, Y., & Huang, H. (2012). Association of glycosylated hemoglobin level with lipid ratio and individual lipids in type 2 diabetic patients. *Asian Pacific Journal of Tropical Medicine*, *5*(6), 469–471.

Ye, J. (2013). Mechanisms of insulin resistance in obesity Jianping. *Front Med*, *7*(1), 14–24.

Zayr, F. H., Mohammed, H. A., Jasim, A. H., & Salih, M. Z. (2016). Study of Glycated Hemoglobin (Hba1c) in Obese Diabetics Patients and Non Original Article Study of Glycated Hemoglobin (Hba1c) in Obese Diabetics Patients and Non Obese Diabetics Patients. *International Journal of Medical Research Professionals*, *2*(1), 61–64.

Zhao, W., Katzmarzyk, P. T., Horswell, R., Wang, Y., Johnson, J., & Hu, G. (2014). Sex Differences in the Risk of Stroke and HbA1c among Diabetic Patients. *Diabetologia*, *57*(5), 918–926.