DAFTAR PUSTAKA

Ambade V, Singh P, Somani B, and Basannar D, 2006, Urinary N-Acetyl Beta-Glucosaminidase and Gamma Glutamyl Transferase As Early Markers of Diabetic Nephropathy, Indian J Clin Biochem, 21(2):142–8.

American Diabetes Association, 2013, Diagnosis and Classification of Diabetes Mellitus, Diabetes Care, 36(1):S67-74

Anynomous, 2014a, Creatinine_2 for Advia Chemistry 1800, Siemens

Anynomous, 2014b, Microalbuminuria_2 for Advia Chemistry 1800, Siemens.

Anynomous, 2015, Human NAGase Elisa Kit, Elabscience

Anynomous, 2016, diunduh dari http://www.lookfordiagnosis.com pada tanggal 01 Juni 2016

Arya A, Aggarwal S, and Yadav H, 2010, Pathogenesis of Diabetic Nephropathy, Int J Pharm Pharm Sci, 2(4): 24-29

Assal H, Tawfeek S, Rasheed E, El-Lebedy D, and Thabet E, 2013, Serum Cystatin C and Tubular Urinary Enzymes as Biomarkers of Renal Dysfunction in Type 2 Diabetes Mellitus, Clin Med Insights Endocrinol Diabetes, 6:7–13.

Basi S, Fesler P, Mimran A, and Lewis J, 2008, Microalbuminuria in Type 2 Diabetes and Hypertension, Diabetes Care, 31(2):s194-201

Bazzi C, Petrini C, Rizza V, Arrigo G, Napodano P, Paparella M, *et al*., 2002, Urinary N-acetyl-beta-D-glucosaminidase Excretion is a Marker of Tubular Cell Dysfunction and a Predictor of Outcome in Primary Glomerulonephritis, Nephrol Dial Transplant 17:1890-96

Bosomworth M, Aparicio S, and Hay A, 1999, Urine N-Acetyl-Beta-D-Glucosaminidase – A Marker of Tubular Damage, Nephro Dial Transplant 14:620-26

Bouvet B, Paparella C, Arriaga S, Monje A, Amarilla A, and Almará A, 2014, Evaluation of urinary N-acetyl-beta-D-glucosaminidase as a marker of early renal damage in patients with type 2 diabetes mellitus, Arq Bras Endocrinol Metab, 58(8):798-801

Brownlee M, Aiello L, Cooper M, Vinik A, Nesto R and Boulton A, 2011, Complication of Diabetes Mellitus in Williams Textbook of Endocrinology, 12th edition, ed.Melmed S, Polonsky K, Larsen P and Kronenberg H, Philadelphia:Elsevier. p: 1462-1551

Carter C, Gansevoort R, Scheven L, Heerspink H, Shlipak M, deJong E, et al., 2012, Influence of Urine Creatinine on the Relationship between the Albumin to Creatinine Ratio and Cardiovascular Events, Clin J Am Soc Nephrol, 7(4):595-603

Chowta N, Pant P and Chowta M, 2009, Microalbuminuria in Diabetes Mellitus:Association with Age, Sex, Weight, and Creatinine Clearance, Indian J Nephrol, 19(2):53-6

Cirillo M., Laurenzi M, Mancini M, Zanchetti A, DeSanto N, 2006, Low Muscular Mass and Overestimation of Microalbuminuria by Urinary Albumin/Creatinine Ratio, Hypertension, 47:56-61

Codario RA, 2005. Type 2 Diabetes, Pre-Diabetes, and the Metabolic Syndrome. The Primary Care Guide to Diagnosis and Management. Human Press, p: 1- 9

Crippa G, 2002, Microalbuminuria in Essential Hypertensi, Journal of Human Hypertensi, 16: s74-77.

Currie G, McKay G, Delles C, 2014, Biomarkers in diabetic nephropathy: Present and future, World J Diabetes, 5(6):763-76

DeJong P and Curhan G, 2006, Screening, Monitoring, and Treatment of Albuminuria: Public Health Prespective, Journal American Society of Nephrology, 17: 2120-26

Feldmann D, Fiandrola C, Jardel A, Phan T and Aymard P, 1989, Circadian Variation and Reference Intervals for Some Enzymes in Urine of Healthy Children, Clin Chem 35(5):864-67

Fiseha T, 2015, Urinary biomarkers for early diabetic nephropathy in type 2 diabetic patients, Biomarker Research 3:16-23

Forbes J and Cooper M, 2013, Mechanisms of Diabetic Complications, Physiol Rev 93: 137–188

Garg J and Bakris G, 2002, Microalbuminuria : Marker of Vascular Dysfuncsion, Risk Factor for Cardiovascular Disease, *Vascular Medicine*, 7: 35-43

Gale E and Gilespie, 2001, Diabetes and Gender, Diabetologia 44:3-15

Ghost S and Collier A, 2012, ' Acute Metabolic Complication' in Churchill's Pocketbook of Diabetes, 2nd Edition, ed Ghost S and Collier A, London: Elsevier. p:127-64

Giacco F and Brownlee M, 2010, 'Pathogenesis of Microvascular Complication' in Textbook of Diabetes, 4th Edition,ed. Holt R, Cockram A, Flyvbjerg A and Goldstin B, Sussex:Blackwell. P: 555-74

Gibb D, Tomlinson P, Dalton T, Turner T, Shah T, and Barratt T, 1989, Renal Tubular Proteinuria and Microalbuminuria in Diabetic Patients, Archives of Disease in Childhood, 64:129-134

Gowda S, Desai P, Kulkarni S, Hull V, Math and Vernekar S, 2010, Marker of Renal Function Test, 2(4):170-3

Grechman F, Tong J, Utzchneider K, Zraika S, Udayasankar J, Mcneely M, et al., (2009), Body Mass Index is Associated with increased Creatinine Clearance by a Mechanism Independent of Body Fat Distribution, J Clin Endocrinol Metab, 94 (10):3781-8.

Haryandini F and Rostini T, 2015, Hyperuricemia and Proteinuria in Type 2 Diabetic Patients, Althea Medical Journal, 2(1): 50-3

Hilbert H, Lifshitz MS, 2007."Lipids and Dyslipoproteinemia". In: Hendry's Clinical Diagnosis and Management by Laboratory Methods Ed 21th. H200-10

Hong C and Chia K, 1998, Markers of Diabetic Nephrophaty, J Diab Comp 12:43-60

Jafar T, Qadri Z and Hashmi S, 2009, Prevalence of Microalbuminuria and Associated Electrocardiographic Abnormalities in Indo-Asian Population, *Nephrology Dialysis Transplantation*, 24: 2111-16

Jarraya F, Lakhdar R, Kammoun K, Mahfoudh H, Drissa H, Kammoun S, et al., 2013, Microalbuminuria A Useful Marker of Cardiovascular Disease, *Iranian Journal of Kidney Disease*, 7:178-86

Kanauchi M, Ishihara K, Nishioka H, Nishiura K and Dohi K, 1993, Glomerular Lesions in Patients with Non-Insulin-Dependent Diabetes Mellitus and Microalbuminuria, Internal Medicine 32(10):753-7

Kanauchi M and Dohi K, 2001, Predictors of Diabetic Renal Lesion in Type 2 Diabetes Associated with Microalbuminuria, European Journal of Clinical Investigation, 31(2):110-12

Kariadi S, 2005, 'Resistensi Insulin dan Disfungsi Sel Beta Pankreas sebagai Dasar Pemilihan Obat pada Diabetes Melitus tipe 2'. *Forum Diabetes Nasional III*. p: 112-22

Kavukcu S, Soylu A and Turkmen M, 2002, The Clinical Value of Urinary N-Acetyl--β-D-glucosaminidase Level in Childhood Age Group, Acta Med Okayama, 56(1):7-11

Kim S, Lee Y, Lee S, Kang E, Cha B, Kim J, et al., 2016, Urinary N-Acetyl-B-D-Glucosaminidase, an Early Marker of Diabetic Kidney Disease, might Reflect Glucose Excursion in Patients with Type 2 Diabetes, Medicine 95:27-34

Kohei K, 2010, Pathophysiology of Type 2 Diabetes and Its Treatment Policy, JMAJ 53(1): 41–46

Manjunatha B, Mallick AK, Devi S, Raghuveer CV, Nayal B, Ahsan M, et al, 2011, Diabetes Mellitus and Microalbuminuria : Factors Affecting Collection of Urine Sample for Microalbuminuria, International Journal of Pharma and Bio Sciences, 2 : 132-37

Mihardja L, Soetrisno U, Soegondo S, 2014, Prevalence And Clinical Profile Of Diabetes Mellitus In Productive Aged Urban Indonesians, J Diabetes Invest 5:507–512

Mohan M and Sekhar C, 2015, Prevalence and Risk Factors of Microalbuminuria in Type 2 Diabetes Mellitus, Int J Adv Med, 2(4):383-86

Mohkam M and Ghafari A, 2015, The Role of Urinary N-Acetyl-β-glucosaminidase in Diagnosis of Kidney Diseases, J Ped. Nephrology, 3(3):84-91

Montero R, Covic A, Gnudi L, Goldsmith D, 2016, Diabetic Nephropathy: What Does The Future Hold?, Int Urol Nephrol 48:99–113

Muller D, Sievers E, and Eggert P, 1999, Influence of hyperfiltration on the measurement, of urinary N-acetyl-b-D-glucosaminidase Pediatr Nephrol 13:519–523

Muro P, Lepedda A, Nieddu G, Idini M, Nguyen H, Lobina O *et al*., 2016, Evaluation of Early Markers of Nephropathy in Patients with Type 2 Diabetes Mellitus, Biochemistry Research International:1-6

Naidoo D, 2002, The Link between Microalbuminuria, Endothelial Dysfunction and Cardiovascular Disease in Diabetes, *Cardiovascular Journal of South Africa*, 13: 194-99

National Kidney Foundation, diunduh dari www2.kidney.org, pada tanggal 06 Oktober 2016

Olefsky J, 2001. 'Prospects for Research in Diabetes Mellitus'. *Journal of American Medical Association*, 285: 628 – 32

Ouchi M, Suzuki T, Hashimoto M, Motoyama M, Ohara M, Suzuki K, et al., 2012, Urinary N-acetyl-β-D-Glucosaminidase Levels are Positively Correlated with 2-hr Plasma Glucose Levels during Oral Glucose Tolerance Testing in Prediabetes, J. Clin. Lab. Anal, 26: 473–480

Ozougwu J, Obimba K, Belon C, and Unakalamba C, 2013, The Pathogenesis and Pathophysiology of Type 1 and Type 2 Diabetes Mellitus, JPAP 4(4); 46-57

Patel D and Kalia K, 2015, Efficacy of Urinary N-Acetyl-B-D-Glucosaminidase to Evaluate Early Renal Tubular Damage as a Consequence of Type 2 Diabetes Mellitus: a Cross-Sectional Study, Int J Diabetes Dev Ctries 35 (3):S449–S457

Pedrinelli R, Dell'Omo G, DiBello V, Pontremoli R and Mariani M, 2002, Microalbuminuria, an Integrated Marker of Cardiovascular Risk in Essential Hypertensi, *Journal of Human Hypertension*, 16: 79–89

Piwowar, Knapik-Kordecka M, Fus Izabela, and Warwas M, 2006, Urinary Activities of Cathepsin B, N-Acetyl-B-D-Glucosaminidase, and Albuminuria In Patients with Type 2 Diabetes Mellitus, Med Sci Monit 12(5): 210-214

Perkeni, 2011. Konsensus Pengelolaan dan pencegahan Diabetes Melitus Tipe 2 di Indonesia, PB Perkeni , Jakarta

Primanda Y, Kritpracha C, and Thaniwattananon P, 2011, Dietary Behaviors among Patients with Type 2 Diabetes Mellitus in Yogyakarta, Indonesia, Nurse Media Journal of Nursing, 1: 211-23

Ratzman K, Raskovic M, and Schimke E, 1994, The Effect of Blood Pressure Reducting Therapy with Captopril on Tubular Marker Excretion in Type 1 Diabetic with Nephrophaty, Dtsch Med Wochenschr 119: 796-800

Robles-Osorio M and Sabath E , 2014, Tubular dysfunction and non-albuminuric renal disease in subjects with type 2 diabetes mellitus, Rev Invest Clin 66(3):234–9.

Roett M, Liegl S, and Jabbarpour Y, 2012, Diabetic Nephropathy-The Family Physician's Role, American Family Physician 85(9):883-9

Rolo A and Palmiera C, 2006, Diabetes and Mitochondrial Function: Role of Hyperglicemia and Oxidative Stress, *Toxicology and Applied Pharmacology* 212:167-178

Rosner M and Bolton W, 2006, Renal Function Testing, American Journal of Kidney Diseases, 47(1):174-83

Ruggenenti P and Remuzzi G, 2006, Time to Abandon Microalbuminuria, *Kidney International* 70: 1214-22

Sastroasmoro S, 2014, Perkiraan Besar Sampel in Dasar-Dasar Metodologi Penelitian Klinis, 5th eds, ed Sastroasmoro S and Ismael Sofyan, Sagung Seto:Jakarta; 352-86

Satchell S and Tooke J, 2008, What is the mechanism of microalbuminuria in diabetes a role for the glomerular endothelium?, Diabetologia 51:714–725

Shahbazian H and Rezaii I, 2013, Diabetic kidney disease; review of the current knowledge, J Renal Inj Prev, 2(2): 73-80

Sheira G, Noreldin N, Tamer A, and Saad M, 2015, Urinary biomarker N-acetyl-β-D-glucosaminidase can Predict Severity of Renal Damage in Diabetic Nephropathy, J Diabetes Metab Disord, 14:4-9

Skalova S, 2005, The Diagnostic Role of Urinary N-Acetyl-β-D-glucosaminidase (NAG) Activity in the Detection of Renal Tubular Impairment, Acta Medica, 48(2):75-80

Spasovski D, 2013, Renal Markers for Assessment of Renal Tubular and Glomerular Dysfunction, J Nephropharmacol, 2(2): 23-25

Spierenburg E, 2009, Biomarkers in Kidney Damage, Thesis, p.21

Suastika K, Dwipayana P, Semadi M and Kuswardhani R, Age is an Important Risk Factor for Type 2 Diabetes Mellitus and Cardiovascular Diseases in Glucose Tolerance, ed Chackrewarthy S, InTech:Srilanka:67-80

Soewondo P, 2011, Current Practice in the Management of Type 2 Diabetes in Indonesia: Results froem the International Diabetes Management Practices Study (IDMPS), J Indon Med Assoc, 61(12):474-81

Thomas M, Macisaac R, Jerums G, Weekes A, Moran J, Shaw J, *et al*., 2009, Nonalbuminuric Renal Impairment in Type 2 Diabetic Patients and in the General Population (National Evaluation of the Frequency of Renal Impairment co-existing with NIDDM [NEFRON] 11), Diabetes Care, 32:1497–502.

Tojo A and Kinugasa S, 2012, Mechanisms of Glomerular Albumin Filtration and Tubular Reabsorption, International Journal of Nephrology:1-9

Toth-Manikowski S and Atta M, 2015, Diabetic Kidney Disease: Pathophysiology and Therapeutic Targets, Journal of Diabetes Research:1-16

Turecky L and Uhlikova E, 2003, Diagnostic Significance of Urinary Enzime in Nephrology, Bratisl Lek Listy 104(1):27-31

Udomah F, Ekrikpo U, Effa E, Salako B, Arije A, and Kadiri S, 2012, Association between Urinary N-Acetyl-Beta-D-Glucosaminidase and Microalbuminuria in Diabetic Black Africans, International Journal of Nephrology:1-5

Uslu S, Efe B, Alatas O, Kebapci N, Colak O, Demirustu C, *et al*., 2005, Serum Cystatin C and Urinary Enzymes as Screening Markers of Renal Dysfunction in Diabetic Patients. J Nephrol 18:559–67.

Vlatkovic V, Stojimirovic B and Obrenovic R, 2007, Damage of Tubule Cells in Diabetic Nephropathy Type 2: Urinary N-Acetyl-Beta-D-Glucosaminidase and Gamma-Glutamil-Transferase, Vojnosanitetski Pregled, 64(2):123-7

Weir MR, 2007, Microalbuminuria and Cardivascular, *Clinical Journal of the American Society of Nephrology*, 2: 581-90

Wild S, Roglic G, Green A, Sicree R, and King H, 2004, Global Prevalence of Diabetes (Estimates for the Year 2000 and Projection for 2030), Diabetes Care, 27(5):1047-53.

Wu Y, Ding Y, Tanaka Y and Zhang W, 2014, Risk Factors Contributing to Type 2 Diabetes and Recent Advances in the Treatment and Prevention, Int. J. Med. Sci., 11(11): 1185-1200

Zeeuw D, Parving H and Henning H, 2006, Microalbuminuria as an Early Marker for Cardiovascular Disease, *Journal American Society of Nephrology*, 17:2100-05