

DAFTAR PUSTAKA

- Abramovs, N., Brass, A., dan Tassabehji, M., 2020. Hardy-Weinberg Equilibrium in the Large Scale Genomic Sequencing Era. *Frontiers in Genetics*, **11**: .
- Adua, E., 2022. Decoding the mechanism of hypertension through multiomics profiling. *Journal of Human Hypertension*, .
- Andriani, H., Kosasih, R.I., Putri, S., dan Kuo, H.-W., 2020. Effects of changes in smoking status on blood pressure among adult males and females in Indonesia: a 15-year population-based cohort study. *BMJ Open*, **10**: e038021.
- Angst, P., Ameline, C., Haag, C.R., Ben-Ami, F., Ebert, D., dan Fields, P.D., 2022. Genetic Drift Shapes the Evolution of a Highly Dynamic Metapopulation. *Molecular Biology and Evolution*, **39**: msac264.
- Baguet, J.-P., Robitail, S., Boyer, L., Debensason, D., dan Auquier, P., 2005. A Meta-Analytical Approach to the Efficacy of Antihypertensive Drugs in Reducing Blood Pressure: *American Journal of Cardiovascular Drugs*, **5**: 131–140.
- Bantas, K. dan Gayatri, D., 2019. Gender and Hypertension (Data analysis of The Indonesia Basic Health Research 2007). *Jurnal Epidemiologi Kesehatan Indonesia*, **3**: .
- Bis, J.C., Smith, N.L., Psaty, B.M., Heckbert, S.R., Edwards, K.L., Lemaitre, R.N., dkk., 2003. Angiotensinogen Met235Thr polymorphism, angiotensin-converting enzyme inhibitor therapy, and the risk of nonfatal stroke or myocardial infarction in hypertensive patients. *American Journal of Hypertension*, **16**: 1011–1017.
- Canzanello, V.J., Baranco-Pryor, E., Rahbari-Oskoui, F., Schwartz, G.L., Boerwinkle, E., Turner, S.T., dkk., 2008. Predictors of blood pressure response to the angiotensin receptor blocker candesartan in essential hypertension. *American Journal of Hypertension*, **21**: 61–66.
- Chiburdanidze, A. dan Yulianti, T., 2013. Evaluasi Ketepatan Pemilihan Obat dan Outcome Terapi pada Pasien Hipertensi Rawat Jalan di Rumah Sakit “A” Tahun 2013 .
- Connelly, P.J., Currie, G., dan Delles, C., 2022. Sex Differences in the Prevalence, Outcomes and Management of Hypertension. *Current Hypertension Reports*, **24**: 185–192.
- Dai, B., Addai-Dansoh, S., Nutakor, J.A., Osei-Kwakye, J., Larnyo, E., Oppong, S., dkk., 2022. The prevalence of hypertension and its associated risk factors among older adults in Ghana. *Frontiers in Cardiovascular Medicine*, **9**: 990616.

- Dhanachandra Singh, Kh., Jajodia, A., Kaur, H., Kukreti, R., dan Karthikeyan, M., 2014. Gender Specific Association of RAS Gene Polymorphism with Essential Hypertension: A Case-Control Study. *BioMed Research International*, **2014**: 538053.
- Di Felice, F., Micheli, G., dan Camilloni, G., 2019. Restriction enzymes and their use in molecular biology: An overview. *Journal of Biosciences*, **44**: 38.
- Dinkes Kabupaten Sleman, 2021. 'PROFIL KESEHATAN KABUPATEN SLEMAN TAHUN 2021', . Kabupaten Sleman.
- Dinkes Provinsi Bali, 2021. 'PROFIL KESEHATAN PROVINSI BALI TAHUN 2021', . Provinsi Bali.
- Dinkes Provinsi DIY, 2021. 'PROFIL KESEHATAN D.I. YOGYAKARTA TAHUN 2021', . DIY.
- DiPiro, J.T., Yee, G.C., dan Posey, L.M., 2020. *Pharmacotherapy: A Pathophysiologic Approach, Eleventh Edition*. McGraw-Hill.
- Dudley, C., Keavney, B., Casadei, B., Conway, J., Bird, R., dan Ratcliffe, P., 1996. Prediction of patient responses to antihypertensive drugs using genetic polymorphisms: investigation of renin-angiotensin system genes. *Journal of Hypertension*, **14**: 259–262.
- Elshimy, G., Techathaveewat, P., Alsayed, M., Jyothinagaram, S., Correa, R., Elshimy, G., dkk., 2019. Simple Reason for Hypoglycemia: ACE Inhibitor-induced Severe Recurrent Hypoglycemia in a Nondiabetic Patient. *Cureus*, **11**: .
- Fajar, J.K., Pikir, B.S., Sidarta, E.P., Saka, P.N.B., Akbar, R.R., Tamara, F., dkk., 2019. The genes polymorphism of angiotensinogen (AGT) M235T and AGT T174M in patients with essential hypertension: A meta-analysis. *Gene Reports*, **16**: 100421.
- Flaten, H.K. dan Monte, A.A., 2017. The Pharmacogenomic and Metabolomic Predictors of ACE Inhibitor and Angiotensin II Receptor Blocker Effectiveness and Safety. *Cardiovascular drugs and therapy*, **31**: 471–482.
- Fountain, J.H., Kaur, J., dan Lappin, S.L., 2023. Physiology, Renin Angiotensin System, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).
- Giri Putra, L.A., Yonathan, C.J., Niedhatrata, N.I., Rizka Firdaus, M.H., dan Yoewono, J.R., 2020. A review of the development of Polymerase Chain Reaction technique and its uses in Scientific field. *Stannum : Jurnal Sains dan Terapan Kimia*, **2**: 14–30.
- Green, M.R. dan Sambrook, J., 2018. The Basic Polymerase Chain Reaction (PCR). *Cold Spring Harbor Protocols*, **2018**: .
- Green, M.R. dan Sambrook, J., 2019. Polymerase Chain Reaction. *Cold Spring Harbor Protocols*, **2019**: .

- Halim, A.R., 2019. 'Single Nucleotide Polymorphism Gen AGT rs699 pada Masyarakat di Wilayah Ciputat Timur dengan Metode Real Time PCR', . UIN Syarif Hidayatullah.
- Heran, B.S., Wong, M.M., Heran, I.K., dan Wright, J.M., 2008. Blood pressure lowering efficacy of angiotensin converting enzyme (ACE) inhibitors for primary hypertension. *Cochrane Database of Systematic Reviews*, .
- Herdaningsih, S., Muhtadi, A., dan Lestari, K., 2017. Consumption Time of Captopril Influenced the Outcomes of Patients with Stage 1 Hypertension. *Pharmacology and Clinical Pharmacy Research*, **2**: 06–10.
- Hingorani, A.D., Jia, H., Stevens, P.A., Hopper, R., Dickerson, J.E., dan Brown, M.J., 1995. Renin-angiotensin system gene polymorphisms influence blood pressure and the response to angiotensin converting enzyme inhibition. *Journal of Hypertension*, **13**: 1602–1609.
- Holmes, T., 2017. The wild type as concept and in experimental practice: A history of its role in classical genetics and evolutionary theory. *Studies in History and Philosophy of Biological and Biomedical Sciences*, **63**: 15–27.
- Holsinger, K.E., 2001. Hardy–Weinberg Law, dalam: *Encyclopedia of Genetics*. Elsevier, hal. 912–914.
- Jang, S., Kim, S.T., Kim, Y.-K., dan Song, Y.H., 2023. Association of blood pressure and hypertension between parents and offspring: The Korea National Health and Nutrition Examination Survey. *Hypertension Research*, **46**: 368–376.
- Jeunemaitre, X., Soubrier, F., Kotelevtsev, Y.V., Lifton, R.P., Williams, C.S., Charru, A., dkk., 1992. Molecular basis of human hypertension: Role of angiotensinogen. *Cell*, **71**: 169–180.
- Jiang, K., He, T., Ji, Y., Zhu, T., dan Jiang, E., 2023. The perspective of hypertension and salt intake in Chinese population. *Frontiers in Public Health*, **11**: .
- Kahlon, T., Carlisle, S., Otero Mostacero, D., Williams, N., Trainor, P., dan DeFilippis, A.P., 2022. Angiotensinogen: More Than its Downstream Products: Evidence From Population Studies and Novel Therapeutics. *JACC: Heart Failure*, **10**: 699–713.
- Karthikeyan, M., Singh, K., dan Rose, R., 2013. Angiotensin Gene Polymorphisms (T174M and M235T) are Significantly Associated with the Hypertensive Patients of Tamil Nadu, South India. *International Journal of Human Genetics*, **13**: 201–207.
- Kemenkes RI, 2021a. 'Profil Kesehatan Indonesia Tahun 2021', . Pusat Data dan Informasi Kementerian Kesehatan Republik Indonesia, Indonesia.
- Kemenkes RI, 2021b. *Formularium Nasional*. Kementerian Kesehatan Republik Indonesia, Jakarta.

- Kemenkes RI, 2023. Formularium Nasional Tahun 2023. *Kementrian Kesehatan Republik Indonesia*, .
- Kolovou, V., Lagou, E., Mihos, C., Giannakopoulou, V., Katsiki, N., Kollia, A., dkk., 2015. Angiotensinogen (AGT) M235T, AGT T174M and Angiotensin-1- Converting Enzyme (ACE) I/D Gene Polymorphisms in Essential Hypertension: Effects on Ramipril Efficacy. *The Open Cardiovascular Medicine Journal*, **9**: 118–126.
- Kooffreh, M.E., Anumudu, C.I., Akpan, E.E., Ikpeme, E.V., dan Lava Kumar, P., 2013. A study of the M235T variant of the angiotensinogen gene and hypertension in a sample population of Calabar and Uyo, Nigeria. *Egyptian Journal of Medical Human Genetics*, **14**: 13–19.
- Kouhpayeh, H.R., Tabasi, F., Dehviri, M., Naderi, M., Bahari, G., Khalili, T., dkk., 2021. Association between angiotensinogen (AGT), angiotensin-converting enzyme (ACE) and angiotensin-II receptor 1 (AGTR1) polymorphisms and COVID-19 infection in the southeast of Iran: a preliminary case-control study. *Translational Medicine Communications*, **6**: 26.
- Kurniawaty, E., 2009. 'Polimorfisme gena angiotensinogen (AGT) dan angiotensin II type 1 receptor (AGTR1) sebagai faktor risiko nefropati diabetika pada pasien DM tipe 2 pada Suku Jawa di Yogyakarta', . Universitas Gadjah Mada.
- Lacy, Charles, dan Armstrong, 2008. *Lexi-Comp's Drug Information Handbook 17th Edition*, 17th ed.
- Liang, L., Kung, J.Y., Mitchelmore, B., Cave, A., dan Banh, H.L., 2022. Comparative peripheral edema for dihydropyridines calcium channel blockers treatment: A systematic review and network meta-analysis. *The Journal of Clinical Hypertension*, **24**: 536–554.
- Liau, Y., Chua, I., Kennedy, M.A., dan Maggo, S., 2019. Pharmacogenetics of angiotensin-converting enzyme inhibitor-induced angioedema. *Clinical & Experimental Allergy*, **49**: 142–154.
- Lin, M., Heizhati, M., Gan, L., Hong, J., Wu, T., Xiamili, Z., dkk., 2022. Higher plasma renin activity is associated with increased kidney damage risk in patients with hypertension and glucose metabolic disorders. *The Journal of Clinical Hypertension*, **24**: 750–759.
- Liu, Z., Jin, L., Zhou, W., dan Zhang, C., 2022. The spectrum of plasma renin activity and hypertension diseases: Utility, outlook, and suggestions. *Journal of Clinical Laboratory Analysis*, **36**: e24738.
- Lu, H., Cassis, L.A., Kooi, C.W.V., dan Daugherty, A., 2016. Structure and functions of angiotensinogen. *Hypertension Research*, **39**: 492–500.

- Lucena-Aguilar, G., Sánchez-López, A.M., Barberán-Aceituno, C., Carrillo-Ávila, J.A., López-Guerrero, J.A., dan Aguilar-Quesada, R., 2016. DNA Source Selection for Downstream Applications Based on DNA Quality Indicators Analysis. *Biopreservation and Biobanking*, **14**: 264–270.
- Lusno, M.F.D., Haksama, S., Wulandari, A., Sriram, S., Shedysni, N., Farid, M.R.H., dkk., 2020. Association between smoking and hypertension as a disease burden in Sidoarjo: a case-control study.
- Makuc, J., Šeruga, M., Završnik, M., Cilenšek, I., dan Petrovič, D., 2017. Angiotensinogen (AGT) gene missense polymorphisms (rs699 and rs4762) and diabetic nephropathy in Caucasians with type 2 diabetes mellitus. *Bosnian Journal of Basic Medical Sciences*, **17**: 262–267.
- Mancia Chairperson, G., Kreutz Co-Chair, R., Brunström, M., Burnier, M., Grassi, G., Januszewicz, A., dkk., 2023. 2023 ESH Guidelines for the management of arterial hypertension The Task Force for the management of arterial hypertension of the European Society of Hypertension Endorsed by the European Renal Association (ERA) and the International Society of Hypertension (ISH). *Journal of Hypertension*, .
- Mancia, G., Rosei, E.A., Azizi, M., Burnier, M., Clement, D.L., Coca, A., dkk., 2018. 2018 ESC/ESH Guidelines for the management of arterial hypertension.
- Marte, F., Sankar, P., dan Cassagnol, M., 2023. Captopril, dalam: *StatPearls*. StatPearls Publishing, Treasure Island (FL).
- Martyniak, A. dan Tomasik, P.J., 2023. A New Perspective on the Renin-Angiotensin System. *Diagnostics*, **13**: 16.
- Melake, A., Alemu, M., dan Berhane, N., 2023. Association between angiotensinogen M235T gene polymorphism and risk of hypertension: A case control study among Ethiopian patients | Ethiopian Medical Journal. *Ethiopian Medical Journal*, **61**: .
- Mohanty, P., Patnaik, L., Nayak, G., dan Dutta, A., 2022. Gender difference in prevalence of hypertension among Indians across various age-groups: a report from multiple nationally representative samples. *BMC Public Health*, **22**: 1524.
- Mondorf, U.F., Russ, A., Wiesemann, A., Herrero, M., Oremek, G., dan Lenz, T., 1998. Contribution of Angiotensin I Converting Enzyme Gene Polymorphism and Angiotensinogen Gene Polymorphism to Blood Pressure Regulation in Essential Hypertension. *American Journal of Hypertension*, **11**: 174–183.
- NCBI, 2023. 'rs699 RefSNP Report - dbSNP - NCBI', . URL: <https://www.ncbi.nlm.nih.gov/snp/rs699> (diakses tanggal 26/8/2023).

- NCD Risk Factor Collaboration (NCD-RisC), 2021. Worldwide trends in hypertension prevalence and progress in treatment and control from 1990 to 2019: a pooled analysis of 1201 population-representative studies with 104 million participants. *Lancet (London, England)*, **398**: 957–980.
- Nolde, J.M., Beaney, T., Carnagarin, R., Schutte, A.E., Poulter, N.R., dan Schlaich, M.P., 2022. Global Impact of Different Blood Pressure Thresholds in 4 021 690 Participants of the May Measurement Month Initiative. *Hypertension*, **79**: 1497–1505.
- Oparil, S., Acelajado, M.C., Bakris, G.L., Berlowitz, D.R., Cífková, R., Dominiczak, A.F., dkk., 2018. Hypertension. *Nature Reviews Disease Primers*, **4**: 18014.
- Ostchega, Y., Fryar, C.D., Nwankwo, T., dan Nguyen, D.T., 2020. 'Hypertension Prevalence Among Adults Aged 18 and Over: United States, 2017–2018', . URL: <https://www.cdc.gov/nchs/products/databriefs/db364.htm> (diakses tanggal 22/7/2023).
- PERHI, 2019. Konsensus Penatalaksanaan Hipeertensi 2019. Perhimpunan Dokter Hipertensi Indonesia.
- PERKI, 2015. Pedoman Tatalaksana Hipertensi pada Penyakit Kardiovaskular. Perhimpunan Dokter Spesialis Kardiovaskular Indonesia.
- Puspasari, A., Afriyanti, D., Harahap, H., Maharani, C., dan Elfiani, E., 2022. The Role of Angiotensinogen rs699 in Diabetic Nephropathy Among Type 2 Diabetes Mellitus Patients with Uncontrolled Postprandial Glucose Levels. *Journal of Health Sciences*, **15**: 200–209.
- Raharjo, S., Chahyadi, A., Fadhilah, A., Tien, Kholida, A.N., dan Subijakto, S., 2017. 'Hubungan Polimorfisme Gen Angiotensinogen M235T dengan Hipertensi Esensial pada Etnis Sulawesi Tenggara', . Dipresentasikan pada Seminar Nasional Riset Kuantitatif Terapan, Kendari.
- Repchuk, Y., Sydorhuk, L.P., Sydorhuk, A.R., Fedonyuk, L.Y., Kamyshnyi, O., Korovenkova, O., dkk., 2021. Linkage of blood pressure, obesity and diabetes mellitus with angiotensinogen gene (AGT 704T>C/rs699) polymorphism in hypertensive patients. *Bratislava Medical Journal*, **122**: 715–720.
- Rogers, A.J. dan T. Weiss, S., 2017. Epidemiologic and Population Genetic Studies, dalam: *Clinical and Translational Science*. Elsevier, hal. 313–326.
- Sandar Oo, K., Khin, W., Han, S., dan Tun, H., 2018. Association Between Angiotensinogen Gene M235T Polymorphism and Plasma Angiotensinogen Level in Essential Hypertension **5**: .
- Santosa, A., Zhang, Y., Weinehall, L., Zhao, G., Wang, N., Zhao, Q., dkk., 2020. Gender differences and determinants of prevalence, awareness, treatment

- and control of hypertension among adults in China and Sweden. *BMC Public Health*, **20**: 1763.
- Sari, A.N.P. dan Pratamawati, T.M., 2022. Hubungan Polimorfisme M235T Gen AGT dengan Inflamasi Pembuluh Darah pada Pasien Hipertensi Esensial. *Tunas Medika Jurnal Kedokteran & Kesehatan*, **8** : .
- Schoenberger, J.A., Ross, A.D., dan Brennan, W.K., 2015. Efficacy, Safety, and Quality-of-Life Assessment of Captopril Antihypertensive Therapy.
- Schwartz, G.L., Bailey, K., Chapman, A.B., Boerwinkle, E., dan Turner, S.T., 2013. The role of plasma renin activity, age, and race in selecting effective initial drug therapy for hypertension. *American Journal of Hypertension*, **26**: 957–964.
- Shahid, M., Rehman, K., Akash, M.S.H., Suhail, S., Kamal, S., Imran, M., dkk., 2022. Genetic Polymorphism in Angiotensinogen and Its Association with Cardiometabolic Diseases. *Metabolites*, **12**: 1291.
- Shamaa, M.M., Fouad, H., Haroun, M., Hassanein, M., dan Hay, M.A.A., 2015. Association between the Angiotensinogen (AGT) gene (M235T) polymorphism and Essential Hypertension in Egyptian patients. *The Egyptian Heart Journal*, **67**: 1–5.
- Srivastava, K., Chandra, S., Bhatia, J., Narang, R., dan Saluja, D., 2012. Association of Angiotensinogen (M235T) Gene Polymorphism with Blood Pressure Lowering Response to Angiotensin Converting Enzyme Inhibitor (Enalapril). *Journal of Pharmacy & Pharmaceutical Sciences*, **15**: 399.
- Su, X., Lee, L., Li, X., Lv, J., Hu, Y., Zhan, S., dkk., 2007. Association Between Angiotensinogen, Angiotensin II Receptor Genes, and Blood Pressure Response to an Angiotensin-Converting Enzyme Inhibitor. *Circulation*, **115**: 725–732.
- Suherman, 2018. *Hipertensi Esensial : Aspek Neurobehaviour dan Genetika*. Syiah Kuala University Press.
- Sutedja, E., Rachmadi, D., dan Ong, A., 2015. The Profile of Angiotensinogenpolymorphism (AGT RS 699) and Working Memory on Hypertension Patients **6** : .
- Takase, H., Sugiura, T., Kimura, G., Ohte, N., dan Dohi, Y., 2015. Dietary Sodium Consumption Predicts Future Blood Pressure and Incident Hypertension in the Japanese Normotensive General Population. *Journal of the American Heart Association*, **4**: e001959.
- Toyofyuku, M., Imazu, M., Sumii, K., Yamamoto, H., Hayashi, Y., Hiyama, K., dkk., 2002. Influence of angiotensinogen M253T gene polymorphism and an angiotensin converting enzyme inhibitor on restenosis after percutaneous coronary intervention. *Atherosclerosis*, **160**: 339–344.

- Trainor, P.J., Brambatti, M., Carlisle, S.M., Mullick, A.E., Shah, S.J., Kahlon, T., dkk., 2023. Blood Levels of Angiotensinogen and Hypertension in the Multi-Ethnic Study of Atherosclerosis. *Journal of the American College of Cardiology*, **81**: 1248–1259.
- Unger, T., Borghi, C., Charchar, F., Khan, N.A., Poulter, N.R., Prabhakaran, D., dkk., 2020. 2020 International Society of Hypertension Global Hypertension Practice Guidelines.
- Volkan-Salanci, B., Dagdelen, S., Alikasifoglu, M., Erbas, T., Hayran, M., dan Erbas, B., 2009. Impact of renin-angiotensin system polymorphisms on renal haemodynamic responsiveness to acute angiotensin-converting enzyme inhibition in type 2 diabetes mellitus. *Journal of the Renin-Angiotensin-Aldosterone System*, **10**: 41–50.
- Vouri, S.M., Jiang, X., Manini, T.M., Solberg, L.M., Pepine, C., Malone, D.C., dkk., 2019. Magnitude of and Characteristics Associated With the Treatment of Calcium Channel Blocker–Induced Lower-Extremity Edema With Loop Diuretics. *JAMA Network Open*, **2**: e1918425.
- Wallbach, M. dan Koziolok, M.J., 2017. Baroreceptors in the carotid and hypertension—systematic review and meta-analysis of the effects of baroreflex activation therapy on blood pressure. *Nephrology Dialysis Transplantation*, .
- WHO, 2021. *Guideline for the Pharmacological Treatment of Hypertension in Adults*. World Health Organization.
- Yu, H., Lin, S., Zhang, Y., Ma, W., dan Liu, G., 2005. [The AGT genotype affects the antihypertensive effects of benazepril]. *Zhonghua Xin Xue Guan Bing Za Zhi*, **33**: 819–823.
- Zhang, Y., He, D., Zhang, W., Xing, Y., Guo, Y., Wang, F., dkk., 2020. ACE Inhibitor Benefit to Kidney and Cardiovascular Outcomes for Patients with Non-Dialysis Chronic Kidney Disease Stages 3–5: A Network Meta-Analysis of Randomised Clinical Trials. *Drugs*, **80**: 797–811.
- Zhou, B., Bentham, J., Di Cesare, M., Bixby, H., Danaei, G., Cowan, M.J., dkk., 2017. Worldwide trends in blood pressure from 1975 to 2015: a pooled analysis of 1479 population-based measurement studies with 19.1 million participants. *The Lancet*, **389**: 37–55.