

DAFTAR PUSTAKA

- Abou Ziki, M.D dan Mani, A. 2017. WNT Signaling, A Novel Pathway Regulating Blood Pressure? State Of The Art Review. *Atherosclerosis*. 262 : 171-178.
- Akilli, R., Çağliyan, Ç.E., Kaypakli, O., Kanadaşi, M. and Demirtaş, M. 2020. New Genetic Risk Factors For Myocardial Infarction At Young Patients In Southern Turkey. *Cukurova Medical Journal*. 45(1) :1-8.
- Andre, G., Sandoval, J.E., Retailleau, K., Loufrani, L., Toumaniantz, G., Offermanns, S., Rolli- Derkinderen, M., Loirand, G. and Sauzeau, V. 2014. Smooth Muscle Specific Rac1 Deficiency Induces Hypertension by Preventing p116 RIP 3- Dependent RhoA Inhibition. *Journal of the American Heart Association*. 3(3): p.e000852.
- Anggriani, A., Herawati, I., Budiastiti, J. 2017. Evaluasi Penggunaan Obat Hipertensi Golongan Angiotensin Reseptor Bloker Pada Pasien Yang Intoleransi ACE Inhibitor. *Jurnal Farmasi Galenika*. 4(1):22-24.
- Ansar, J., Dwinata, I., M, Apriani. 2019. Determinan Kejadian Hipertensi Pada Pengunjung Posbindu di Wilayah Kerja Puskesmas Ballaparang Kota Makassar. *Jurnal Nasional Ilmu Kesehatan*. 1(3): 30-34.
- Anuhgera, D.E., Yolanda, R., Sitorus, R., Ritonga, N.J., Damayanti. 2020. Pengaruh Pemberian Rebusan Daun Seledri (*Apium Graveolens L*) Terhadap Tekanan Darah Pada Wanita Menopause Dengan Hipertensi. *Jurnal Kebidanan Kestra (JKK)*. 3(1): 70-73.
- Aria, M., Suhatri., Sunata, P. 2021. Uji Efek Antihipertensi Ekstrak Etanol Seledri (*Apium graveolens L*) selama 7 Hari pada Tikus Putih Jantan. *Prosiding Seminar Kesehata Perintis*. 4(2):137-144.
- Aroor, A., Zuberek, M., Duta, C., Meuth, A., Sowers, J.R., Whaley-Connell, A. and Nistala, R. 2016. Angiotensin II stimulation of DPP4 activity regulates megalin in the proximal tubules. *International journal of molecular sciences*. 17(5) :6-9.
- Avram, S., Bologna, C.G., Holmes, J., Bocci, G., Wilson, T.B., Nguyen, D.T., Curpan, R., Halip, L., Bora, A., Yang, J.J., Knockel, J.,

- Sirimulla, S., Ursu, O., Oprea, T.I. 2021. DrugCentral 2021 supports drug discovery and repositioning. *Nucleic Acids Res.* 49: D1160-D1161.
- Azizah, A., Raharjo, A., Kusumastuti, I., Abrori, C., Wulandari, P. 2021. Analisis Faktor Risiko Kejadian Hipertensi di Puskesmas Karangtengah Kabupaten Wonogiri. *Journal of Agromedicine and Medical Sciences*, 7(3):144-145.
- Baldini, C., Moriconi, F.R., Galimberti, S., Libby, P. and De Caterina, R. 2021. The JAK–STAT Pathway: An Emerging Target for Cardiovascular Disease in Rheumatoid Arthritis and Myeloproliferative Neoplasms. *European Heart Journal.* 42(42):4389-4400.
- Barman, S.A., Li, X., Haigh, S., Kondrikov, D., Mahboubi, K., Bordan, Z., Stepp, D.W., Zhou, J., Wang, Y., Weintraub, D.S. and Traber, P. 2019. Galectin-3 is Expressed in Vascular Smooth Muscle Cells and Promotes Pulmonary Hypertension Through Changes in Proliferation, Apoptosis, and Fibrosis. *American Journal of Physiology-Lung Cellular and Molecular Physiology.* 316(5) : L784-L797.
- Beevers, G., Lip, G.Y.H., O'Brien, E. 2001. The pathophysiology of hypertension.
- Bianti, N. 2015. Risk Factors of Hypertension. *J Majority.* 4(5): 14.
- Blankenberg, S., Rupprecht, H.J., Poirier, O., Bickel, C., Smieja, M., Hafner G. 2003. Plasma Concentrations And Genetic Variation Of Matrix Metalloproteinase 9 and Prognosis of Patients With Cardiovascular Disease. *Circulation.* 107:1579–1585.
- BNF. 2018. British National Formulary 76th Edition. BMJ Group.
- Bousette, N., Abbasi, C., Chis, R., Gramolini, A.O. 2013. Calnexin Silencing in Mouse Neonatal Cardiomyocytes Induces Ca²⁺ Cycling Defects, ER Stress, and Apoptosis. *Journal Of Cellular Physiology.* 229(3) : 374-383.
- Cernes, R., Mashavi, M. and Zimlichman, R. 2011. Differential Clinical Profile Of Candesartan Compared To Other Angiotensin Receptor Blockers. *Vascular Health and Risk Management.* 7: 749.

- Chobanian, A. V. 2003. Classification of Blood Pressure dalam The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure. National Heart, Lung, and Blood Institute.
- Daina, A., Michielin, O., Zoete, V. 2019. SwissTargetPrediction: Updated Data And New Features For Efficient Prediction Of Protein Targets Of Small Molecules. *Nucleic Acids Res.* 47: W357-W358.
- Daoud, F., Arévalo Martinez, M., Holmberg, J., Alajbegovic, A., Ali, N., Rippe, C., Swärd, K. and Albinsson, S. 2022. YAP and TAZ in Vascular Smooth Muscle Confer Protection Against Hypertensive Vasculopathy. *Arteriosclerosis, thrombosis, and vascular biology.* 42(4): 428-443.
- Davies, O.M., Ng, A.T., Tran, J., Blumenthal, S., Arkin, L.M., Nopper, A.J., Cottrell, C.E., Garzon, M., Siegel, D.H., Frieden, I.J. and Drolet, B.A. 2022. Early- Onset Hypertension Associated With Extensive Cutaneous Capillary Malformations Harboring Postzygotic Variants in GNAQ and GNA11. *Pediatric Dermatology.*
- Daza-Arnedo, R., Rico-Fontalvo, J.E., Pájaro-Galvis, N., Leal-Martínez, V., Abuabara-Franco, E., Raad-Sarabia, M., Montejo-Hernández, J., Cardona-Blanco, M., Cabrales-Juan, J., Uparella-Gulfo, I. and Montiel, L.S. 2021. Dipeptidyl Peptidase-4 Inhibitors and Diabetic Kidney Disease: A Narrative Review. *Kidney Medicine.* 3(6): 1065-1073.
- Delacroix, S., Chokka1, R.G., Worthley, S.G. 2014. Hypertension: Pathophysiology and Treatment. *Journal of Neurology & Neurophysiology.* 5(6).
- DeLeon-Pennell, K.Y., Meschiari, C.A., Jung, M. and Lindsey, M.L. 2017. Matrix Metalloproteinases in Myocardial Infarction and Heart Failure. *Progress in molecular biology and translational science.* 147: 75-100.
- Dinas Kesehatan Provinsi Jawa Tengah. 2019. Profil Kesehatan Provinsi Jawa Tengah 2019: Dinkes Jateng
- Eckenstaler, R., Hauke, M., Benndorf, R.A. 2022. A Current Overview Of RhoA, Rhob, and Rhoc Functions in Vascular Biology And Pathology. *Biochemical Pharmacology.* 115321.

- Eisemann, T., McCauley, M., Langelier, M.F., Gupta, K., Roy, S., Van Duyne, G.D., Pascal, J.M. 2016. Tankyrase-1 ankyrin repeats form an adaptable binding platform for targets of ADP-ribose modification. *Structure*. 24(10):1679-1692.
- Fan, J., Johnson, M.H., Lila, M.A., Yousef, G. and De Mejia, E.G. 2013. Berry and Citrus Phenolic Compounds Inhibit Dipeptidyl Peptidase IV: Implications in Diabetes Management. *Evidence-Based Complementary and Alternative Medicine*.
- Fandinata, S.S., Darmawan, R. 2022. Perbandingan Angiotensin II Receptor Blocker Candesartan vs Termisartan vs Valsartan pada Monitoring Tekanan Darah Pasien Chronic Kidney Disease. *Jurnal Penelitian Kesehatan Suara*. 13(4).
- Farida, Y dan Tsalatsatun, K.F. 2020. Adverse Drug Reactions Study of Antihypertensive Drugs in Primary Care Settings. *JMPF*. 10(4): 245-247.
- Fazriani, A., Kusuma, W.A., Batubara, I. 2019. Sistem Berbasis Pengetahuan Tumbuhan Obat Pusat Studi Biofarmaka. *Jurnal Jamu Indonesia*. 4(1).
- Feng, Y.L., Yin, Y.X., Ding, J., Yuan, H., Yang, L., Xu, J.J. and Hu, L.Q. 2017. Alpha-1-antitrypsin Suppresses Oxidative Stress in Preeclampsia by Inhibiting the p38MAPK Signaling Pathway: an in vivo and in vitro study. *PLoS One*. 12(3).
- Fitrianto, H., Azmi, S., Kadri, H. 2014. Penggunaan Obat Antihipertensi pada Pasien Hipertensi Esensial di Poliklinik Ginjal Hipertensi RSUP DR. M. Djamil Tahun 2011. *Jurnal Kesehatan Andalas*. 3 (1).
- Forni, D., Sironi, M. and Cagliani, R. 2022. Evolutionary History of Type II Transmembrane Serine Proteases Involved in Viral Priming. *Human genetics*. 1-18.
- Gao, Q., Tian, D., Han, Z., Lin, J., Chan, Z., Zhang, D., Ma, D. 2021. Network Pharmacology and Molecular Docking Analysis on Molecular Targets and Mechanisms of Buyang Huanwu Decoction in the Treatment of Ischemic Stroke. *Evidence-Based Complementary and Alternative Medicine*.
- Gauri, M., Ali, S.J., Kha, M.S. 2015. A Review of Apium graveolens (Karafs) with special reference to Unani Medicine. *International Archives of Integrated Medicine*. 2(1).

- Ge, W., Hou, C., Zhang, W., Guo, X., Gao, P., Song, X., Gao, R., Liu, Y., Guo, W., Li, B. and Zhao, H. 2021. Mep1a Contributes to Ang II-induced Cardiac Remodeling By Promoting Cardiac Hypertrophy, Fibrosis and Inflammation. *Journal of molecular and cellular cardiology*. 152: 52-68.
- Gfeller, D., Grosdidier, A., Wirth, M., Daina, A., Michielin, O., Zoete, V. 2014. SwissTargetPrediction: a Web Server for Target Prediction of Bioactive Small Molecules. *Nucleic acids research*. 42:W32-W38.
- Ghatage, T., Goyal, S.G., Dhar, A., Bhat, A. 2021. Novel Therapeutics for The Treatment of Hypertension and Its Associated Complications: Peptide- And Nonpeptide-Based Strategies. *Hypertension Research*. 44: 740–741.
- Heimerl, M., Gausepohl, T., Mueller, J.H. and Ricke-Hoch, M. 2022. Neuraminidases—Key Players in the Inflammatory Response after Pathophysiological Cardiac Stress and Potential New Therapeutic Targets in Cardiac Disease. *Biology*. 11(8):1229.
- Heit, C., Jackson, B.C., McAndrews, M., Wright, M.W., Thompson, D.C., Silverman, G.A., Nebert, D.W. and Vasiliou, V. 2013. Update of the Human and Mouse SERPINGe Superfamily. *Human genomics*. 7(1):1-14.
- Hendrati, H. 2016. Evaluasi Ketepatan Obat dan Dosis Obat Antihipertensi pada Pasien Hipertensi Rawat Jalan di Puskesmas Ciputat Januari-Maret 2015. *Skripsi*. Jakarta: Universitas Islam Negeri Syarif Hidayatullah Jakarta.
- Heran, B.S., Chen J.M., Wang J.J., Wright J.M. 2010. Blood Pressure Lowering Efficacy of Potassium-Sparing Diuretics (that block the epithelial sodium channel) for Primary Hypertension. *Cochrane Database Syst Rev*. 20(1): 2-5.
- Holmes, R.S., Spradling-Reeves, K.D. and Cox, L.A. 2017. Mammalian Glutamyl Aminopeptidase Genes (ENPEP) and Proteins: Comparative studies of a Major Contributor to Arterial Hypertension. *Journal of data mining in genomics & proteomics*. 8(2).
- Hopps, E., Presti, R.L. and Caimi, G. 2017. Matrix Metalloproteases In Arterial Hypertension and Their Trend after Antihypertensive Treatment. *Kidney and Blood Pressure Research*. 42(2), pp.347-357.

- Hosseini, F.S., Amanlou, A., Amanlou, M. 2021. Tankyrase Inhibitor for Cardiac Tissue Regeneration: an In-silico Approach. *Iranian Journal of Pharmaceutical Research: IJPR*. 20(4):315.
- Hu Z., Liu F., Li M., He J., Huang J., Rao D.C., Hixson J.E., Gu C., Kelly T.N., Chen S., Gu D., Yang X. 2016. Associations of Variants in the CACNA1A and CACNA1C Genes with Longitudinal Blood Pressure Changes and Hypertension Incidence: The GenSalt Study. *Am J Hypertens*. 29(11):1301-1306.
- Huang, Y., Di Lorenzo, A., Jiang, W., Cantalupo, A., Sessa, W.C. and Giordano, F.J. 2013. HIF-1 α in Vascular Smooth Muscle Regulates Blood Pressure Homeostasis Through a PPAR γ -angiotensin II Receptor Type 1 (ATR1) axis. *Hypertension*. 62(3) : 634.
- Jiang, Q., Zhang, F., Liu, X. and Han, L. 2022. Anti-inflammatory Properties Of Fangji Huangqi Tang: Novel Application Based on Integrated Network Pharmacology Combined With In Vitro Validation. *Phytomedicine Plus*. 2(3):100296.
- JNC VII. 2003. Seventh report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure.
- Johnson A.D., Newton-Cheh C., Chasman D.I., Ehret G.B., Johnson T., Rose L., Rice K., Verwoert G.C., Launer L.J., Gudnason V., Larson M.G., Chakravarti A., Psaty B.M., Caulfield M., van Duijn C.M., Ridker P.M., Munroe P.B., Levy D. 2011. Association of Hypertension Drug Target Genes with Blood Pressure and Hypertension in 86,588 Individuals. *Hypertension*. 57(5).
- Jorge, V.G., Angel, J.R. L, Adrian, T.S., Francisco, A.C., Anuar, S.G., Angel, S.O. and Emmanuel, H.N. 2013. Vasorelaxant Activity of extracts obtained from *Apium graveolens*: Possible Source for Vasorelaxant Molecule Isolation with Potential Antihypertensive effect. *Asian Pacific Journal of Tropical Biomedicine*. 3 (10): 776-779.
- Juhanson, P., Kepp, K., Org, E., Veldre, G., Kelgo, P., Rosenberg, M., Viigimaa, M. and Laan, M. 2008. N-acetyltransferase 8, a Positional Candidate for Blood Pressure and Renal Regulation: Resequencing, Association and in Silico Study. *BMC medical genetics*. 9(1):1-12.

- Kanehisa, M., Furumichi, M., Sato, Y., Ishiguro-Watanabe, M., Tanabe, M. 2021. KEGG: Integrating Viruses And Cellular Organisms. *Nucleic Acids Res.* 49: D545-D551.
- Kementerian Kesehatan RI. 2018. Hasil Riset Kesehatan Dasar (Riskesdas) 2018. Jakarta: Badan Penelitian dan Pengembangan Kesehatan Kementerian RI.
- Khalik, O.P., Konoshita, T., Moodley, J. dan Naicker, T. 2020. The Role of LNPEP and ANPEP Gene Polymorphisms in the Pthogenesis of Pre-eclampsia. *European Journal of Obstetrics & Gynecology and Reproductive Biology.* 252 : 160-165.
- Kim, S., Chen, J., Cheng, T., Gindulyte, A., He, J., He, S., Li, Q., Shoemaker, B.A., Thiessen P.A., Yu, B., Zaslavsky, L., Zhang, J., Bolton, E.E. 2021. PubChem in 2021: New Data Content and Improved Web Interfaces. *Nucleic Acids Research.* 49: D1388-D1389.
- Klinke, A., Berghausen, E., Friedrichs, K., Molz, S., Lau, D., Remane, L., Berlin, M., Kaltwasser, C., Adam, M., Mehrkens, D. and Mollenhauer, M. 2018. Myeloperoxidase Aggravates Pulmonary Arterial Hypertension by Activation of Vascular Rho-kinase. *JCI insight.* 3(11).
- Kosaka, Y., Cieslik, K.A., Li, L., Lezin, G., Maguire, C.T., Saijoh, Y., Toyo-oka, K., Gambello, M.J., Vatta, M., Wynshaw-Boris, A., Baldini, A. 2012. 14-3-3 ϵ Plays A Role In Cardiac Ventricular Compaction By Regulating The Cardiomyocyte Cell Cycle. *Molecular and cellular biology.* 32(24) : 5089-5102.
- Kostov, K. 2021. The Causal Relationship Between Endothelin-1 And Hypertension: Focusing On Endothelial Dysfunction, Arterial Stiffness, Vascular Remodeling, And Blood Pressure Regulation. *Life.* 11(9): 1-3.
- Kostov, K. and Blazhev, A., 2022. Changes in Serum Levels of Matrix Metalloproteinase-1 and Tissue Inhibitor of Metalloproteinases-1 in Patients with Essential Hypertension. *Bioengineering.* 9(3) :119.
- Kunze, K., Spieker, T., Gamerdinger, U., Nau, K., Berger, J., Dreyer, T., Sindermann, J.R., Hoffmeier, A., Gattenlöhner, S. and Bräuninger, A. 2014. A Recurrent Activating PLCG1 Mutation in Cardiac Angiosarcomas Increases Apoptosis Resistance and

Invasiveness of Endothelial Cells Recurrent Activating PLC γ 1 Mutation in Cardiac Angiosarcoma. *Cancer research*. 74(21): 6173-6183.

- Laffer, C. L., Scott III, R.C., Titze, J.M., Luft, F.C. and Elijevich, F. 2016. Hemodynamics and Salt-and-Water Balance Link Sodium Storage and Vascular Dysfunction in Salt-Sensitive Subjects. *Hypertension*. 68(1): 195-203.
- Le Hiress, M., Tu, L., Ricard, N., Phan, C., Thuillet, R., Fadel, E., Dorfmüller, P., Montani, D., de Man, F., Humbert, M. and Huertas, A. 2015. Proinflammatory Signature of the Dysfunctional Endothelium in Pulmonary Hypertension. Role of the macrophage migration inhibitory factor/CD74 complex. *American journal of respiratory and critical care medicine*. 192(8): 983-997.
- Lee, W. Y., Lee, C. Y., Kim, Y. S., & Kim, C. E. 2019. The Methodological Trends of Traditional Herbal Medicine Employing Network Pharmacology. *Biomolecules*. 9(8): 362.
- Li, T.C., Li, C.I., Liao, L.N., Liu, C.S., Yang, C.W., Lin, C.H., Hsiao, J.H., Hsiao, C.Y., Lin, W.Y., Wu, F.Y. and Lin, C.C. 2015. Associations of EDNRA and EDN1 Polymorphisms With Carotid Intima Media Thickness Through Interactions With Gender, Regular Exercise, and Obesity in Subjects in Taiwan: Taichung Community Health Study (TCHS). *BioMedicine*. 5(2): 1-7.
- Liang, X., Butterworth, M.B., Peters, K.W., Frizzell, R.A. 2010. AS160 Modulates Aldosterone-Stimulated Epithelial Sodium Channel Forward Trafficking. *Mol Biol Cell*. 21: 2024–2033.
- Liao, S., Lin, J., Pei, Z., Liu, C., Zeng, J., Huang, R. 2009. Enhanced Angiogenesis with dl-3n-butylphthalide Treatment After Focal Cerebral Ischemia in RHRSP. *BRAIN RESEARCH*.
- Liu, L., Liu, J., Wong, W.T., Tian, X.Y., Lau, C.W., Wang, Y.X., Xu, G., Pu, Y., Zhu, Z., Xu, A., Lam, K.S.L., Chen, Z.Y., Ng, C.F., Yao, X., Huang, Y. 2012. Dipeptidyl Peptidase 4 Inhibitor Sitagliptin Protects Endothelial Function In Hypertension Through A Glucagon–Like Peptide 1–Dependent Mechanism. *Hypertension*. 60(3):833-841.
- Lolita., & Istiani, A. 2019. Evaluasi kerasionalan dan kuantitas penggunaan antihipertensi pada pasien gagal jantung di instalasi

- rawat inap Rumah Sakit PKU Muhammadiyah Gamping Yogyakarta. *Jurnal Ilmiah Farmasi*. 15(1): 44.
- Maghfiroh, L., Rahayu, T., & Hayati, A. 2018. Profil Histokimia dan Analisis In Silico Senyawa Metabolit Sekunder pada Daun Zaitun (*Olea europaea* L.). *Jurnal SAINS ALAMI (Known Nature)*, 1(1).
- Maier, C., Schadock, I., Haber, P.K., Wysocki, J., Ye, M., Kanwar, Y., Flask, C.A., Yu, X., Hoit, B.D., Adams, G.N. and Schmaier, A.H. 2017. Prolylcarboxypeptidase deficiency is associated with increased blood pressure, glomerular lesions, and cardiac dysfunction independent of altered circulating and cardiac angiotensin II. *Journal of Molecular Medicine*. 95(5): 473-486.
- Maier, C., Schadock, I., Haber, P.K., Wysocki, J., Ye, M., Kanwar, Y., Flask, C.A., Yu, X., Hoit, B.D., Adams, G.N. and Schmaier, A.H. 2017. Prolylcarboxypeptidase Deficiency is Associated with Increased Blood Pressure, Glomerular Lesions, and Cardiac Dysfunction Independent of Altered Circulating and Cardiac Angiotensin II. *Journal of Molecular Medicine*, 95(5) :473-486.
- Mathieu, N.M., Sigmund, C.D., Nakagawa, P. and Grobe, J.L. 2022. Role of β - Arrestin2 as a Regulator of Fluid Homeostasis and Blood Pressure. *The FASEB Journal*. 36.
- McMaster, W.G., Kirabo, A., Madhur, M.S. and Harrison, D.G. 2015. Inflammation, Immunity, and Hypertensive End-organ Damage. *Circulation research*. 116(6) : 1022-1033.
- Moghadam, M.S., Imenshahidi, M., Mohajeri, S.A. 2013. Antihypertensive Effect of Celery Seed on Rat Blood Pressure in Chronic Administration. *Journal of Medicinal Food*. 16(6):
- Mohammadi, M., Farazmandfar, T. and Shahbazi, M., 2017. Relationship between human leukocyte antigen (HLA)-DQA1* 0102/HLA-DQB1* 0602 polymorphism and preeclampsia. *International Journal of Reproductive BioMedicine*. 15(9): 569.
- Morgan E.S., Tami., Hu K., Brambatti M., Mullick A.E., Geary R.S., Bakris G.L., Tsimikas S. 2021. Antisense Inhibition of Angiotensinogen with IONIS-AGT-L_{RX}: Results of Phase 1 and Phase 2 Studies. *JACC Basic Transl Sci*. 6(6):485-496.
- Mu, L., Wang, Z., Ren, J., Xiong, X., Jin, Z. and Liu, X., 2022. Impact of DPP-4 Inhibitors on Plasma Levels of BNP and NT-pro-BNP

- in Type 2 Diabetes Mellitus. *Diabetology & Metabolic Syndrome*. 14(1) :1-9.
- Muzakar & Nuryanto. 2018. Pengaruh Pemberian Air Rebusan Seledri Terhadap Penurunan Tekanan Darah Pada Penderita Hipertensi. *Jurnal Pembangunan Manusia*. 53(9)
- Nessa., Tobat, S.R., Mukhtar, M.H., Muztika S.A. 2018. Uji Efek Antihipertensi Ekstrak Etanol Daun Seledri (*Apium graveolens* L.) pada Tikus Putih Jantan Diinduksi Prednison dan NaCl. *Jurnal Akademi Farmasi Prayoga*. 1(1)
- Nilansari, A.F., Yasin, N.M., Puspendari, D.A. 2020. Gambaran Pola Penggunaan Obat Antihipertensi Pada Pasien Rawat Inap di RSUD Panembahan Senopati. *Lambung Farmasi; Jurnal Ilmu Kefarmasian*. 1(2).
- Nistala, R., Meuth, A.I., Smith, C., An, J., Habibi, J., Hayden, M.R., Johnson, M., Aroor, A., Whaley-Connell, A., Sowers, J.R. and McKarns, S.C. 2021. DPP4 inhibition mitigates ANG II-mediated kidney immune activation and injury in male mice. *American Journal of Physiology-Renal Physiology*. 320(3) :F505-F517.
- Oktianti, D., Furdianti, N.V., Fajriani, W.N., Ambarsari, U. 2020. Evaluasi Terapi Antihipertensi Pada Pasien Rawat Inap Di RS X di Semarang. *Indonesian Journal of Pharmacy and Natural Product*.3(1)
- Pangestika N. W. 2021. Menanam Seledri Dengan Batang, Skala Rumahan. <https://paktanidigital.com/artikel/menanam-seledri-dengan-batang-skala-rumahan/#.YqcgIXZBzIW>. 18 Mei 2022
- Parcha, V., Patel, N., Gutierrez O.M., Li, P., Gamble K.L., Musunuru, K., Margulies K.B., Cappola T.P., Wang T.J., Arora, G., Arora P. 2021. Chronobiology of Natriuretic Peptides and Blood Pressure in Lean and Obese Individuals. *Journal of the American College of Cardiology*. 77(18):2292
- Pavlov, T.S., Levchenko, V., O'Connor, P.M., Ilatovskaya, D.V., Palygin, O., Mori, T., Mattson, D.L., Sorokin, A., Lombard, J.H., Cowley, A.W. and Staruschenko, A. 2013. Deficiency of renal cortical EGF increases ENaC activity and contributes to salt-sensitive hypertension. *Journal of the American Society of Nephrology*. 24(7): 1053-1062.
- Payne, V. dan Kam, P.C.A., 2004. Mast Cell Tryptase: a Review Of Its Physiology and Clinical Significance. *Anaesthesia*. 59(7) : 695-703.

- Pinto, V., Pinho, M.J. and Soares- da- Silva, P., 2013. Renal Amino Acid Transport Systems and Essential Hypertension. *The FASEB Journal*. 27(8) : 2927-2938.
- Pratiwi, D. 2017. Gambaran Pengetahuan Pasien Hipertensi Terhadap Penyakit Hipertensi Dan Obat Antihipertensi Golongan Ace-Inhibitor Dan Diuretik. *JOPS (Journal of Pharmacy and Science)*. 1(1)
- Pulido, T., Zayas, N., de Mendieta, M.A., Plascencia, K., Escobar, J. 2016. Medical Therapies for Pulmonary Arterial Hypertension. *Heart Failure Reviews*. 21(3):273-83.
- Ran, J., Li, H., Fu, J., Liu, L., Xing, Y., Li, X., Shen, H., Chen, Y., Jiang, X., Li, Y. and Li, H., 2013. Construction and Analysis of The Protein-Protein Interaction Network Related to Essential Hypertension. *BMC systems biology*. 7(1): 1-12.
- Ratureau, Y., Coelho, S.C., Fraulob-Aquino, J.C., Huo, K.G., Rehman, A., Offermanns, S., Paradis, P. and Schiffrin, E.L. 2015. Inducible Human Endothelin-1 Overexpression In Endothelium Raises Blood Pressure Via Endothelin Type A Receptors. *Hypertension*. 66(2): 347-355.
- Ravi, Y., Selvendiran, K., Meduru, S., Citro, L., Naidu, S., Khan, M., Rivera, B.K., Sai-Sudhakar, C.B. and Kuppusamy, P., 2013. Dysregulation of PTEN in Cardiopulmonary Vascular Remodeling Induced by Pulmonary Hypertension. *Cell biochemistry and biophysics*. 67(2): 363-372.
- Rusdiana, T. 2018. Telaah Tanaman Seledri (*Apium Graveolens L.*) Sebagai Sumber Bahan Alam Berpotensi Tinggi Dalam Upaya Promotif Kesehatan. *Indonesia Natural Research Pharmaceutical Journal*. 3(1)
- Salehi, B., Venditti, A., Frezza, C., Yüçetepe, A., Altuntaş, Ü., Uluata, S., Butnariu, M., Sarac, I., Shaheen, S., A. Petropoulos, S. and R. Matthews, K. 2019. Apium Plants: Beyond Simple Food and Phytopharmacological Applications. *Applied Sciences*. 9(17): 3547.
- Santos, R.A., Ferreira, A.J., Verano-Braga, T. and Bader, M. 2013. Angiotensin-converting enzyme 2, Angiotensin-(1-7) and Mas: New Players of the Renin-angiotensin system. *J endocrinol*. 216(2) :R1-R17.

- Saputra, O., & Fitria, T. 2016. Khasiat Daun Seledri (*Apium graveolens*) Terhadap Tekanan Darah Tinggi Pada Pasien Hiperkolestrolemia. *Majority*. 5(2) :121-122.
- Shi, Z.H., Li, N.G., Shi, Q.P., Tang, H., Tang, Y.P., Li, W., Yin, L., Yang, J.P. and Duan, J.A. 2013. Synthesis and Structure–Activity Relationship Analysis Of Caffeic Acid Amides As Selective Matrix Metalloproteinase Inhibitors. *Bioorganic & Medicinal Chemistry Letters*. 23(5): 1206-1211.
- Shi, Z.H., Li, N.G., Shi, Q.P., Tang, H., Tang, Y.P., Li, W., Yin, L., Yang, J.P. and Duan, J.A. 2013. Synthesis And Structure–Activity Relationship Analysis Of Caffeic Acid Amides as Selective Matrix Metalloproteinase Inhibitors. *Bioorganic & Medicinal Chemistry Letters*. 23(5) : 1206-1211.
- Sica, D.A., Carter, B., Cushman, W., Hamm, L. 2011. Thiazide and Loop Diuretics Domenic. *Journal of Clinical Hypertension*. 13(9)
- Smetana, G.W. 2015. Triamterene in the Treatment of Hypertension. *J Gen Intern Med*. 31(1):7-8.
- Sobreira, D.R. and Nóbrega, M.A. 2021. Regulatory landscapes of Nppa and Nppb. *Circulation Research*. 128(1): 130-132.
- Son, E.D., Kim, H., Choi, H., Lee, S.H., Lee, J.Y., Kim, S. 2009. CTSG increases MMP expression in normal human fibroblasts through fibronectine fragmentation, and induces the conversion of proMMP-1 to active MMP-1. *J Dermatol Sci*. 53: 150–152
- Su, X., Lee, L., Li, X. 2007 Association Between Angiotensinogen, Angiotensinii Receptor Genes, And Blood Pressure Response To An Angiotensin-Converting Enzyme Inhibitor. *Circulation*. 115:725–32.
- Sukohar, A., & Arisandi, A. 2016. Seledri (*Apium graveolens* L) sebagai Agen Kemopreventif bagi Kanker. *Majority*. 5 (2)
- Supraptia, B., Nilamsari, W.P., Hapsari, P.P., Muzayana, H.A., Firdausi, H. 2014. Permasalahan Terkait Obat Antihipertensi pada Pasien Usia Lanjut di Poli Geriatri RSUD Dr. Soetomo, Surabaya. *Jurnal Farmasi dan Ilmu Kefarmasian Indonesia*. 1(2)
- Szklarczyk, D., Gable, A.L., Nastou, K.C., Lyon, D., Kirsch, R., Pyysalo, S., Doncheva, N.T., Legeay, M., Fang, T., Bork, P., Jensen, L.J. 2021. The STRING database in 2021: Customizable Protein–Protein Networks, And Functional Characterization Of

- User-Uploaded Gene/Measurement Sets. *Nucleic acids research*. 49(D1): D605-D612.
- Szklarczyk, D., Morris J.H., Cook, H., Kuhn, M., Wyder, S., Simonovic, M., Santos, A., Doncheva, N.T., Roth, A., Bork, P., Jensen, L.J., von Mering, C. 2017. The STRING database in 2017: quality-controlled protein-protein association networks, made broadly accessible. *Nucleic Acids Res*. 45: D362–D363
- The UniProt Consortium. 2021. UniProt: the universal protein knowledgebase in 2021. *Nucleic Acids Res*. 49: D480-D481
- Tian, J., Popal, M.S., Huang, R., Zhang, M., Zhao, X., Zhang, M. and Song, X. 2020. Caveolin as a Novel Potential Therapeutic Target In Cardiac And Vascular Diseases: A Mini Review. *Aging and disease*. 11(2): 378.
- Udjus, C., Cero, F.T., Halvorsen, B., Behmen, D., Carlson, C.R., Bendiksen, B.A., Espe, E.K., Sjaastad, I., Løberg, E.M., Yndestad, A. and Aukrust, P., 2019. Caspase-1 Induces Smooth Muscle Cell Growth n Hypoxia-Induced Pulmonary Hypertension. *American Journal of Physiology-Lung Cellular and Molecular Physiology*. 316(6): L999-L1012.
- Ulfa, I., & Kautsar, A.G. 2019. *Drug Utilization Research* Obat Antihipertensi Pada Pasien Rawat Jalan Tahun 2018 Di Rumah Sakit Paru Dr. H A Rotinsulu Dengan Metode ATC/DDD: *Cross-Sectional Study*. *Jurnal Farmaka*. 17(2): 77-78.
- Ullah, H.; Elfadl, A.; Park, S.; Kim, Y.; Chung, M.-J.; Son, J.-Y.; Yun, H.-H.; Park, J.-M.; Yim, J.-H.; Jung, S.-J. 2021. Nogo-A Is Critical for Pro-Inflammatory Gene Regulation in Myocytes and Macrophages. *Cells*. 10: 282.
- Ursu, O., Holmes, J., Knockel, J., Bologna, C.G., Yang, J.J., Mathias, S.L., Nelson S.J., Oprea, T.I. 2017. DrugCentral: Online drug compendium. *Nucleic Acids Research*. 45.
- Vargas, F., Wangesteen, R., Rodríguez-Gómez, I. and García-Estañ, J. 2020. Aminopeptidases in Cardiovascular and Renal Function. Role as predictive renal injury biomarkers. *International Journal of Molecular Sciences*. 21(16) : 5615.
- Verdini, L., Setiawan, B., Sinaga, T., Sulaeman, A., Wibawan, I.W.T. 2020. Phytochemical profile of cinnamon extract (*Cinnamomum Burmanii* Blume) from Three Regions of Sumatra Island using

- GCMS. *European Journal of Molecular and Clinical Medicine*. 7(2).
- von Lueder, T.G., Atar, D. and Krum, H., 2014. Current Role of Nephilysin Inhibitors In Hypertension And Heart Failure. *Pharmacology & therapeutics*. 144(1) : 41-49.
- Wang, Y., Wang, Q., Huang, H., Huang, W., Chen, Y., McGarvey, P.B., Wu, C.H., Arighi C.N. 2021. UniProt Consortium. A crowdsourcing open platform for literature curation in UniProt. *PLoS Biol*. 19(12): 1-2.
- Wile, D. 2012. Diuretics: a review. *Annals of Clinical Biochemistry*. 49: 425-426.
- Wu, Y., Yang, H., Yang, B., Yang, K. and Xiao, C. 2013. Association of polymorphisms in prolylcarboxypeptidase and chymase genes with essential hypertension in the Chinese Han population. *Journal of the Renin-Angiotensin-Aldosterone System*. 14(3): 263-270.
- Wulandari, T. 2019. Pola Penggunaan Kombinasi Dua Obat Antihipertensi Pada Pasien Hipertensi. *Jurnal ILKES (Jurnal Ilmu Kesehatan)*. 10(1).
- Yang, M., Chen, J., Xu, L., Ji, G. 2013. Navigating Traditional Chinese Medicine Network Pharmacology and Computational Tools. *Evidence-Based Complementary and Alternative Medicine*
- Yang, T., 2022. Soluble (Pro) Renin Receptor in Hypertension. *Nephron*. 1-10.
- Yart, L., Roset Bahmanyar, E., Cohen, M. and Martinez de Tejada, B., 2021. Role of the Uteroplacental Renin–Angiotensin System in Placental Development and Function, and Its Implication in the Preeclampsia Pathogenesis. *Biomedicines*. 9(10): 1332.
- Yilmaz, I. 2019. Angiotensin-Converting Enzyme Inhibitors Induce Cough. *Turkish Thoracic Journal*. 20(1): 36-37.
- Zahedi, K., Barone, S., Xu, J., Soleimani, M. 2013. Potentiation of the Effect of Thiazide Derivatives by Carbonic Anhydrase Inhibitors: Molecular Mechanisms and Potential Clinical Implications. *PLoS ONE*. 8(11): 1-2.
- Zhai, Z., Tao, X., Alami, M.M., Shu, S., Wang, X. 2021. Network Pharmacology and Molecular Docking Combined to Analyze the

- Molecular and Pharmacological Mechanism of Pinellia Ternata In The Treatment of Hypertension. *Current Issues in Molecular Biology*. 43(1).
- Zhang, J., Chen, Q., Zhong, J., Liu, C., Zheng, B. and Gong, Q. 2019. DPP-4 Inhibitors As Potential Candidates For Antihypertensive Therapy: Improving Vascular Inflammation And Assisting The Action Of Traditional Antihypertensive Drugs. *Frontiers in immunology*. 10, p.1050.
- Zhang, L., Shi, X., Huang, Z., Mao, J., Mei, W., Ding, L., Zhang, L., Xing, R., Wang, P. 2020. Network Pharmacology Approach to Uncover the Mechanism Governing the Effect of Radix Achyranthis Bidentatae on Osteoarthritis. *BMC Complementary Medicine and Therapies*. 20 (121): 4.
- Zhang, R., Zhu, X., Bai, H., Ning, K. 2019. Network pharmacology databases for traditional Chinese medicine: Review and assessment. *Frontiers in Pharmacology*. 10.
- Zhu, F., Sun, Y., Wang, M., Ma, S., Chen, X., Cao, A., Chen, F., Qiu, Y. and Liao, Y. 2011. Correlation Between HLA- DRB1, HLA-DQB1 Polymorphism and Autoantibodies Against Angiotensin AT1 Receptors in Chinese Patients with Essential Hypertension. *Clinical cardiology*. 34(5): 302-308.
- Zhu, J., Yi, X., Zhang, Y., Pan, Z., Zhong, L., Huang, P. 2019. Systems Pharmacology-Based Approach to Comparatively Study the Independent and Synergistic Mechanisms of Danhong Injection and Naoxintong Capsule in Ischemic Stroke Treatment. *Evidence-Based Complementary and Alternative Medicine*.