

BAB 5

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Berdasarkan 5 artikel yang terkait dengan efektifitas dan efek samping sacubitril/valsartan pada pasien gagal jantung, dapat disimpulkan bahwa:

1. Sacubitril/valsartan dosis 23/26 mg dua kali sehari, dan dititrasi ke dosis target 97/103mg dua kali sehari menunjukan adanya perbaikan pada NT-proBNP.
2. Sacubitril/valsartan efektif digunakan sebagai salah satu modalitas terapi pada pasien gagal jantung karena dapat memperbaiki kelas *New York Heart Association* (NYHA), nilai LVEF, dan *distance in six-minute walk test* (6MWP), serta pengurangan NT-proBNP.
3. Sacubitril/valsartan tidak signifikan menyebabkan efek samping seperti hiperkalemia, hipotensi simptomatik, angioedema dan perburukan fungsi ginjal.

5.2 Saran

1. Perlu dilaksanakan kajian literatur dengan memperluas *database* yang digunakan sehingga artikel ilmiah yang diperoleh semakin banyak sehingga dapat melakukan kajian secara lebih luas dan mendalam.
2. Masih perlu dilakukan penelitian lebih lanjut untuk mengetahui efektivitas dan efek samping sacubitril/valsartan pada pasien gagal jantung agar mendapatkan gambaran yang lebih lengkap dan jelas

DAFTAR PUSTAKA

- Ahn, E. and Kang, H. 2018, Introduction to Systematic Review and Meta-Analysis, *Korean Journal of Anesthesiology*, **71(2)**:103–112.
- Arshed, N. and Danson, M. 2015, ‘The Literature Review’, In MacIntosh. R. and O’Gorman, K.D. Research Methods for Business and Management: A Guide to Writing Your Dissertation, Goodfellow Publishers, 31-49.
- Berg, D.D., Braunwald, E., DeVore, A.D., Lala, A., Pinney, S.P., Duffy, C.I., Gurmu, Y., Velazquez, E. J. and Morrow, D.A. 2020, Efficacy and Safety of Sacubitril/Valsartan by Dose Level Achieved in the PIONEER-HF Trial, *JACC: Heart Failure*, **8(10)**: 834–843.
- Braunschweig, F., Cowie, M. R. and Auricchio, A. 2011, What are the Costs of Heart Failure, *Europace*, **13(2)**: 13–17.
- Chen, W., Liu, Y., Li, Y. and Dang, H. 2021, Sacubitril/valsartan Improves Cardiac Function in Chinese Patients with Heart Failure: A Real-World Study, *ESC Heart Failure*, **8**: 3783–3790.
- Cowie, M.R. 2017, The Heart Failure Epidemic: a UK perspective, *Echo Research and Practice*, **4(1)**: 15–20.
- Desai, A.S., Solomon, S.D., Shah, A.M., Claggett, B. L., Fang, J.C., Izzo, J., McCague, K., Abbas, C.A., Rocha, R. and Mitchell, G.F. 2019, Effect of Sacubitril-Valsartan vs Enalapril on Aortic Stiffness in Patients with Heart Failure and Reduced Ejection Fraction, *The Journal of the American Medical Association*, **322(11)**: 1077–1084.
- Ferrari, R. 2015, Writing Narrative Style Literature Review, *Medical Writing*, **24(4)**: 230-235.
- Ganesanathan, S., Shah, N., Shah, P., Elsayed, H., Phillips, J., Parkes, A., Morgan, A., Yousef, Z. 2020, Real-World Treatment Switching to Sacubitril/Valsartan in Patients with Heart Failure with Reduced Ejection Fraction: A Cohort Study, *Open Heart*, **7(2)**: 1305.
- Gregory, A. T., Health, G. C. P. and Denniss, A. R. 2018, An Introduction to Writing Narratives and Systematic Reviews - Tasks, Tips and Traps for Aspiring Authors, *Heart, Lung and Circulation*, **27**: 893-898.

Kementerian Kesehatan RI, 2018, Metodologi Penelitian Kesehatan, Jakarta: Kementerian Kesehatan Republik Indonesia.

Kementerian Kesehatan RI, 2018, Hasil Riset Kesehatan Dasar (Riskesdas), Jakarta: Badan Penelitian dan Pengembangan Kesehatan Kementerian RI.

Kemp, C. D. and Conte, J. V. 2012, The Pathophysiology of Heart Failure. *Cardiovascular Pathology*, **21(5)**: 365–371.

Kober, L., Lip, G. Y. H., Maggioni, A. P., Parkhomenko, A., Pieske, B.M., Popescu, B. A., Ronnevik, P. K., Rutten, F. H., Schwitter, J., Seferovic, P., Stepinska, J., Trindade, P. T., Voors, A. A., Zannad, F., Zeiher, A., Bax, J. J., Baumgartner, H., Ceconi, C., Dean, V., Deaton, C., Fagard, R., Funck-Brentano, C., Hasdai, D., Hoes, A., Kirchhof, P., Knuuti, J., Kolh, P., McDonagh, T., Moulin, C., Popescu, B. A., Reiner, Z., Sechtem, U., Sirnes, P.A., Tendera, M., Torbicki, A., Vahanian, A., Windecker, S., McDonagh, T., Sechtem, U., Bonet, L. A., Avraamides, P., Ben Lamin, H. A., Brignole, M., Coca, A., Cowburn, P., Dargie, H., Elliott, P., Flachskampf, F.A., Guida, G. F., Hardman, S., Iung, B., Merkely, B., Mueller, C., Nanas, J. N., Nielsen, O. W., Orn, S., Parisi, J. T., Ponikowski, P. 2012, ESC Guidelines for the Diagnosis and Treatment of Acute and Chronic Heart Failure 2012: The Task Force for the Diagnosis and Treatment of Acute and Chronic Heart Failure 2012 of the European Society of Cardiology. Developed in Collaboration with the Heart Failure Association (HFA) of the ESC. *European Heart Journal*, **33(14)**:1787–1847.

Lachal, J., Levy, A. R., Orri, M. and Moro, M. R. 2017, Metasynthesis: An Original Method to Synthesize Qualitative Literature in Psychiatry, *Frontiers in Psychiatry*, **8(269)**: 1-9.

Lelonek, M., Śmiałek, S.W., Rubiś, P., Nowakowska, I., d. and Pawlak, A. 2021, Sacubitril/valsartan for Heart Failure with Reduced Ejection Fraction: A First Real-Life Observational Study in Poland, *Advances in Clinical and Experimental Medicine*, **30(1)**:67–75.

Levy, D., Kenchaiah, S., Larson, M.G., Benjamin, E.J., Kupka, M.J., Ho, K.K.L., Murabito, J.M. and Vasan, R. S. 2002, Long-Term Trends in the Incidence of and Survival with Heart Failure, *New England Journal of Medicine*, **347(18)**: 1397–1402.

- Parker, R.B., Nappi, J.M. and Cavallari, L.H. 2015, 'Heart Failure', in DiPiro J.T., Wells B.G., Schwinghammer T.L. and DiPiro C. V. 2015, *Pharmacotherapy Handbook*, 9th., McGraw-Hill Education Companies, New York, 75-86.
- Perhimpunan Spesialis Dokter Koardiovaskular Indonesia, 2020, Pedoman Tatalaksana Gagal Jantung. Edisi II. Jakarta: PERKI.
- Ponikowski, P., Voors, A.A., Anker, S.D., Bueno, H., Cleland, J.G.F., Coats, A.J.S., Falk, V., González-Juanatey, José Ramón., Harjola, Veli-Pekka., Jankowska, E.A., Jessup, M., Linde, C., Nihoyannopoulos, P., Parissis, J.T., Pieske, B., Riley, J.P., Rosano, G. M. C., Ruilope, Luis M., Ruschitzka, F., Rutten, F.H., van der Meer, P. 2016, *ESC Guidelines For the Diagnosis and Treatment of Acute and Chronic Heart Failure. European Heart Journal*, **37(27)**: 2129-2200.
- Snyder, H. 2019, Literature Review as Research Methodology: An Overview and Guidelines, *Journal of Business Research*, **104**: 333-339.
- Velazquez, E.J., Morrow, D.A., DeVore, A.D., Duffy, C.I., Ambrosy, A.P., McCague, K., Rocha, R. and Braunwald, E. 2018, Angiotensin–Neprilysin Inhibition in Acute Decompensated Heart Failure, *New England Journal of Medicine*, **380**: 539-548.
- Volterrani, M., Iellamo, F., Senni, M. and Piepoli, M. F. 2017, Therapeutic Options of Angiotensin Receptor Neprilysin inhibitors (ARNIs) in Chronic Heart Failure with Reduced Ejection Fraction: Beyond RAAS and Sympathetic Nervous System Inhibition. *International Journal of Cardiology*, **226**, 132.
- yMcMurray, J. J. V., Adamopoulos, S., Anker, S. D., Auricchio, A., Bolm, M., Dickstein, K., Falk, V., Filippatos, G., Fonesca, C., Gomez-Sanchez, M. A., Jaarsma, T. McMurray, J. J. V., Packer, M., Desai, A. S., Gong, J., Lefkowitz, M. P., Rizkala, A. R., Rouleau, L.J., Shi, V. C., Solomon, S. D., Swedberg, Karl. and Zile, M. R. 2014, Angiotensin–Neprilysin Inhibition Versus Enalapril in Heart Failure. *New England Journal of Medicine*, **371(11)**: 993–1004.